



**TETRA TECH**

January 25, 2021

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

Review of 2020 Groundwater Sampling Report: Content satisfactory

1. Continue semi-annual groundwater monitoring of the nine monitor wells at the site
2. Quarterly pumping of monitor well MW-7, with a sample to be obtained following the completion of each event
3. Submit the Annual Monitoring Report to the OCD no later than March 31, 2022

**Re: 2020 Groundwater Sampling Report  
Occidental Permian, Ltd.  
E.C. Hill Federal B-D Tank Battery and E.C. Hill Federal #7 Tank Battery,  
Sections 34 and 35, Township 23 South, Range 37 East, Lea County, New  
Mexico, OCD Case Numbers 1R491 and 1R492, respectively.**

Mr. Rose-Coss,

This report details the results of the 2020 semiannual sampling events performed at the OXY USA, Inc. (OXY) E. C. Hill Federal B-D and E.C. Hill Federal #7 Tank Battery sites. The two sites are located adjacent to one another approximately 9 miles north/northeast of Jal, Lea County, New Mexico. Due to their close proximity and lack of plume distinction, the two sites are included in one report. The Site locations are shown on **Figure 1 and 2**.

### **FACILITY BACKGROUND**

The facilities are historic tank batteries, which accumulated spills from previous operators. Prior to OXY, the facilities were operated by Plains Exploration (PXP), Pogo Producing Company (Pogo), and Latigo Petroleum, Inc. (Latigo). In March 2008, OXY acquired operating responsibility for this site from PXP.

#### **2006 Initial Soil Investigation**

In 2006, as part of a due diligence investigation, a soil investigation was performed at the site. The soil investigation consisted of the placement of ten (10) auger holes (AH) and three (3) boreholes (BH) to assess the subsurface soils in and around the tank battery. The auger hole soil samples were found to be impacted with hydrocarbons to depths of 1 to 6 feet below ground surface (bgs), with several auger holes not vertically delineated. In order to complete delineation, three soil borings (BH-1 through BH-3) were drilled in these areas. Based on the results of the investigation, Total Petroleum Hydrocarbons (TPH) was detected to depths of 25 feet bgs, 15 feet bgs, and 60 feet bgs in boreholes BH-1 through BH-3, respectively. Borehole BH-3, which had hydrocarbon impacts to a depth of 60 feet bgs, was converted to a monitor well (MW-1) to assess the groundwater quality at the site.

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In September 2006 and May 2007, the well was purged and sampled per New Mexico Oil Conservation Division (NMOCD) guidelines for analysis of chlorides and Benzene, Toluene, Ethylbenzene and Xylenes (BTEX). BTEX was not detected at or above reporting limits for either sampling event. Chloride concentrations exceeded the New Mexico Water Quality Control Commission (NMWQCC) standards for both sampling events, with concentrations of 1,150 milligrams per liter (mg/L) and 729 mg/L, respectively.

In 2006, as part of a due diligence investigation, additional soil investigation was performed at the site. The soil investigation consisted of placement of seven (7) auger holes (AH) and one (1) borehole (BH) to assess the subsurface soils in an impacted area south of the tank battery. Borehole BH-1, which had hydrocarbon impacts to a depth of 40 feet bgs, was converted to a monitor well (MW-7) to assess the groundwater quality at the site.

In September 2006 and May 2007, the well was purged and sampled per NMOCD guidelines for analysis of chlorides and BTEX. For the September 2006 sampling event, the chloride and BTEX concentrations did not exceed the NMWQCC standards. During the May 2007 sampling event, the BTEX concentration was below the NMWQCC standards, however, chlorides exceeded the NMWQCC standard with a concentration of 1,220 mg/L.

In order to complete delineation of the groundwater impacts at the two sites, an additional five monitor wells (MW-2 through MW-6) were installed at the sites between December 4 and December 11, 2007. The newly installed monitor wells were sampled in October 2008. BTEX was not detected above the method detection limit in any of the monitor wells. Chloride concentrations ranged from 87.8 mg/L to 1,040 mg/L. Analytical results indicated that groundwater impacts were not delineated to the south and to the southeast of the sites.

#### Monitor Well Installation and Delineation

In order to complete delineation of the groundwater impacts at the two sites, an additional two monitor wells (MW-8 and MW-9) were installed between October 30 and 31, 2012. The locations of the monitor wells are presented on **Figure 3**. The newly installed monitor wells were sampled on November 16, 2012. Analytical results indicated that with the installation of the two new wells, the groundwater impacts were delineated to the south and to the southeast.

#### 2015 Soil Investigation

In 2015 additional soil investigation was performed at the sites. The soil investigation consisted of placement of eleven (11) soil borings to assess the subsurface soils. The soil borings (SB-1 through SB-11) were drilled to depths ranging from 20 feet bgs to 71 feet bgs. Soil samples were collected at five-foot intervals and analyzed for gasoline range organics (GRO), diesel range organics (DRO), TPH, BTEX and chlorides. Total TPH impacts were found in soil borings SB-1, SB-2, SB-3, and SB-7. Chloride impacts were found in soil borings SB-1, SB-2, SB-3, SB-4, SB-7, SB-8, SB-10 and SB-11.



## **2020 GAUGING AND MONITOR WELL SAMPLING**

Tetra Tech personnel were onsite to gauge all monitor wells during the first and third quarters of 2020. All the monitor wells on site were gauged with an electronic interface probe to the nearest 0.01 foot. The gauging data is summarized in **Table 1**. PSH was not measured during these sampling events. Groundwater gradient maps generated for the two 2020 sampling events indicate a groundwater gradient to the southeast. Groundwater gradient maps for the two 2020 sampling events are included as **Figures 4 and 5**.

During each groundwater sampling event, the monitor wells were purged to remove 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.

Chloride analytical results for monitor wells MW-2, MW-6, and MW-9 were below NMWQCC standards for both 2020 sampling events which is consistent with results from previous years. Chloride analytical results for monitor wells MW-1, MW-5 and MW-7 exceeded the NMWQCC standards during both 2020 sampling events. Monitor wells MW-3 and MW-4 exceeded the NMWQCC chloride standards for the February 20, 2020 sampling event. Monitor well MW-8 exceeded the NMWQCC chloride standards for the August 13, 2020 sampling event. Analytical results are summarized in **Table 2**.

Graphs of chloride concentrations versus groundwater elevations for each of the monitor wells are included in **Appendix A**. The graphs for monitor well MW-4 indicates a fluctuating but generally decreasing trend. The graphs for monitor wells MW-2, MW-6, and MW-9 indicate generally stable concentrations with a slight increasing trend in monitor well MW-2. The graphs for monitor wells MW-3 and MW-7 indicate fluctuating concentrations, although MW-7 exhibits a generally decreasing trend since June 17, 2015. The graphs for monitor wells MW-1, MW-5 and MW-8 indicate increasing trends with concentrations remaining within the range of previously detected concentrations, with the exception of the new historic maximum concentration detected during the August sampling event in MW-8, reported at 257 mg/L, which is slightly higher than the previously reported historic maximum concentration of 243 mg/L.

Chloride concentration maps for the two 2020 sampling events are included as **Figures 6 and 7**. The groundwater analytical data is summarized in **Table 2**. Copies of the laboratory analytical reports are included in **Appendix B**.

### **Monitor Well MW-7 Pumping and Sampling**

Four quarterly pumping and sampling events were conducted in monitor well MW-7 during 2020. During each of these pumping and sampling events, 500 gallons of



water was pumped into a 500-gallon tank. An initial groundwater sample was collected prior to pumping and additional groundwater samples were collected at one hundred-gallon intervals, for a total of six groundwater samples collected during each event. The groundwater samples were analyzed for chlorides and the laboratory analytical results are summarized in **Table 3**.

Although chloride concentrations fluctuated during each pumping event, there was a general trend of increasing concentrations during each pumping event. However, chloride concentrations in monitor well MW-7 exhibit a generally decreasing trend since June 17, 2015, indicating that quarterly pumping of monitor well MW-7 is decreasing chloride concentrations. Laboratory reports and analytical results are included in **Appendix B**.

### **CONCLUSIONS**

1. Chloride concentrations for monitor wells MW-1, MW-3, MW-4, MW-5, MW-7, and MW-8 exceed the NMWQCC standard of 250 mg/L for the 2020 sampling events.
2. Chloride concentrations for monitor wells MW-2, MW-6, and MW-9 were below the NMWQCC standard of 250 mg/L for the 2020 sampling events.
3. Analytical results indicate that all monitor wells sampled do not have BTEX concentrations above the method detection limits.
4. During 2020, chloride concentrations in monitor well MW-4 exhibited a fluctuating but generally decreasing trend.
5. Chloride concentrations in monitor wells MW-2, MW-6, and MW-9 in 2019 exhibited generally stable concentrations with a slight increasing trend in monitor well MW-2.
6. Chloride concentrations in monitor wells MW-3 and MW-7 exhibit fluctuating concentrations in 2020, although monitor well MW-7 has exhibited a generally decreasing trend since June 17, 2015.
7. Chloride concentrations in monitor wells MW-1, MW-5 and MW-8 indicate increasing trends in 2020 with concentrations remaining within the range of previously detected concentration, with the exception of the new historic maximum concentration detected during the August sampling event in MW-8, reported at 257 mg/L, which is slightly higher than the previously reported historic maximum concentration of 243 mg/L.
8. Four quarterly pumping and sampling events were conducted in monitor well MW-7 during 2020. Chloride concentrations in monitor well MW-7 exhibit a generally decreasing trend since June 17, 2015, indicating that quarterly pumping of monitor well MW-7 is decreasing chloride concentrations.
9. Groundwater gradient maps generated for the two 2020 sampling events



indicate a groundwater gradient to the southeast.

**PROPOSED 2021 GROUNDWATER MONITORING PROGRAM**

The following activities are proposed for 2021:

- Semi-annual groundwater monitoring of the nine monitor wells at the site.
- Quarterly pumping of monitor well MW-7, with one sample to be obtained from monitor well MW-7 following the completion of each quarterly pumping event rather than sampling during 100-gallon pumping intervals.

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, appearing to read 'R Cheatham'.

Ray Cheatham, PG  
Principal Geologist

A handwritten signature in blue ink, appearing to read 'G W Pope'.

Greg W. Pope, PG  
Principal Geologist

**Attachments:**

Figures

Tables

Appendix A - Graphs

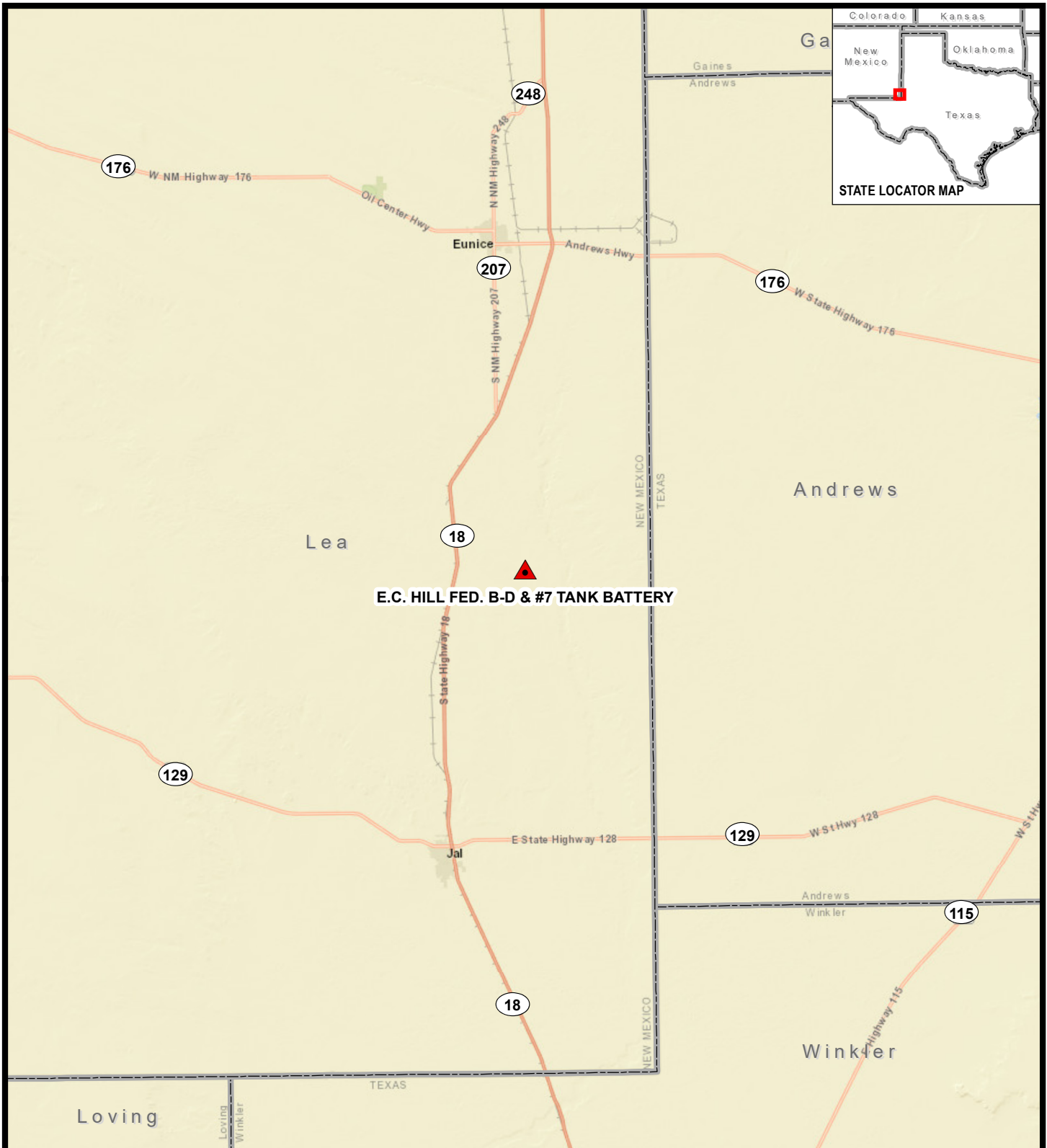
Appendix B - Lab Reports

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

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## ***Figures***

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 SITE LOCATION



0 2.5 5  
Miles  
Approximate Scale in Miles

OVERVIEW MAP  
E.C. HILL FEDERAL B-D & #7 TANK BATTERY  
(32.264787°, -103.141984°)  
LEA COUNTY, NEW MEXICO

GLENN SPRINGS HOLDINGS

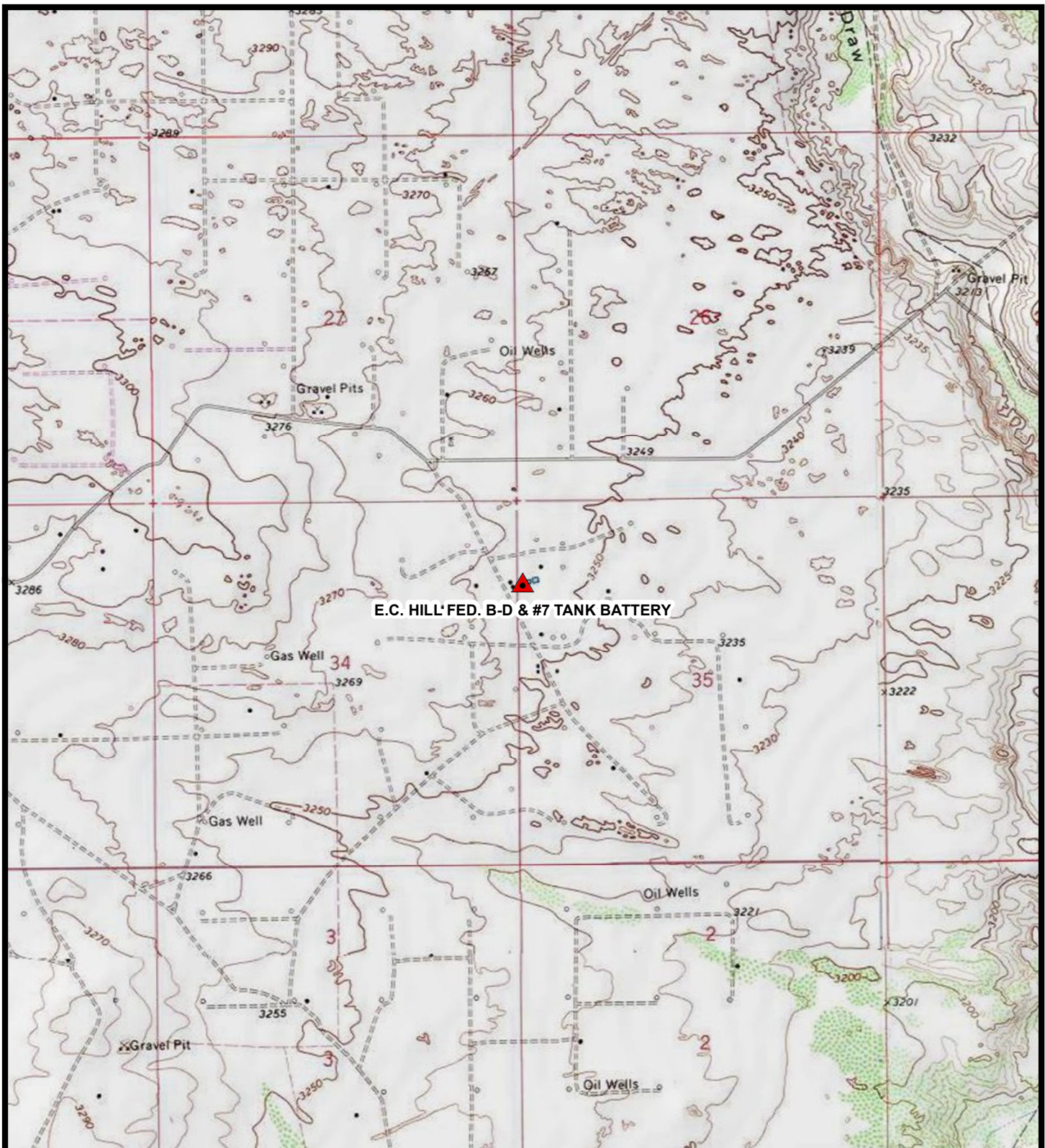


Project #:  
212C-MD-02107

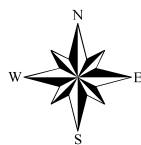
FIGURE  
1

Source: ESRI Basemap - Streets, 2020.

C:\GIS\OXY\212C\_MD\_02107\_OXY\_GLENNSPRINGS\_ECHILL\_FBD\_TB\_FIG1.mxd 11/25/2020 jelp/ralex



 SITE LOCATION



0 1,000 2,000  
Feet  
Approximate Scale in Miles

TOPOGRAPHIC MAP  
E.C. HILL FEDERAL B-D & #7 TANK BATTERY  
(32.264787°, -103.141984°)  
LEA COUNTY, NEW MEXICO

GLENN SPRINGS HOLDINGS



Project #:  
212C-MD-02107

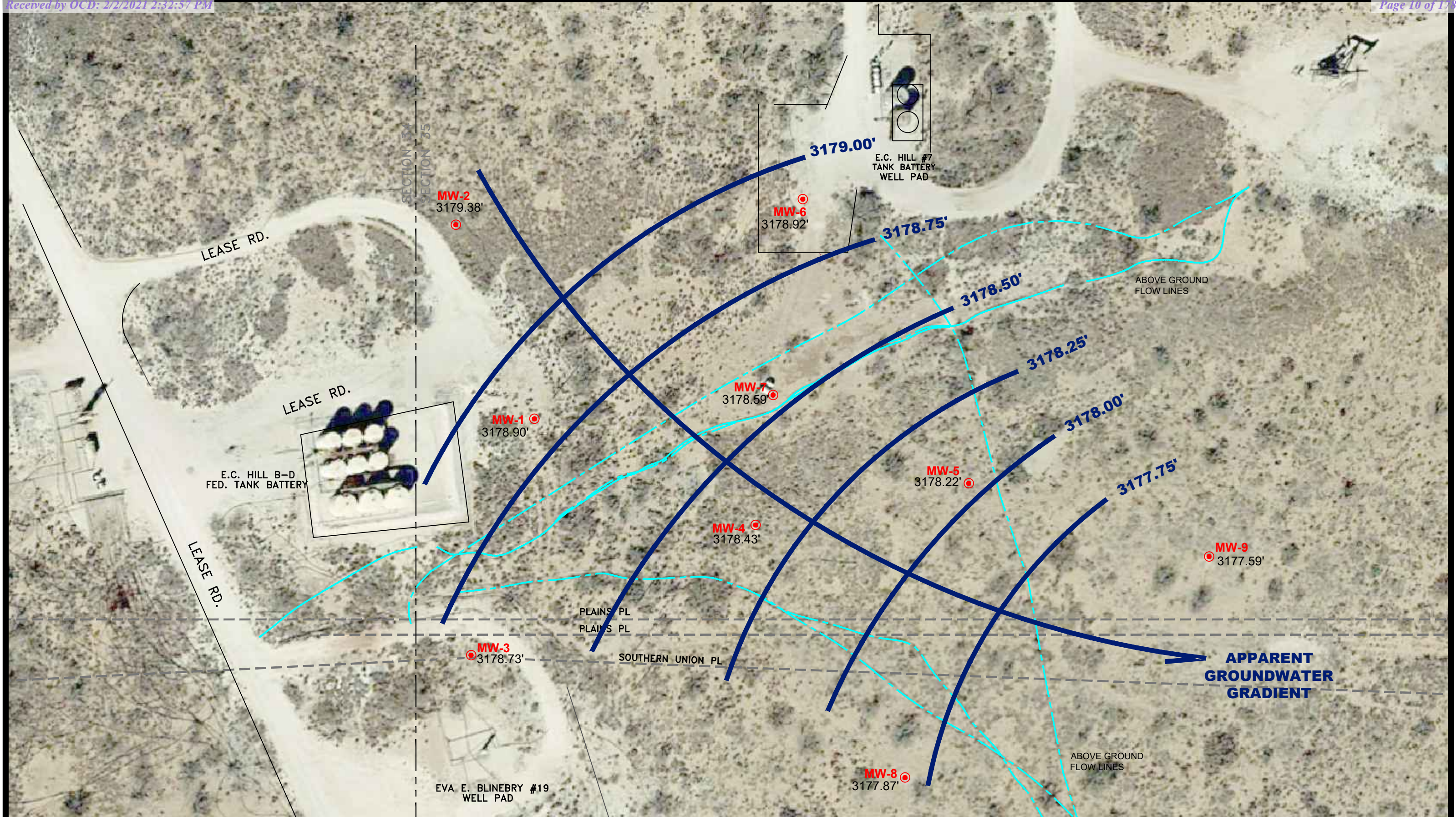
FIGURE  
2

Source: National Geographic Society, i-cubed,  
USA Topo Maps, 2013.



FIGURE NO. 3

|                                                                    |                      |                                                                                                                                                                                      |                                                                    |                                                                                                                                                                                                                                                                                                                      |                        |      |                |  |                                                                    |  |
|--------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------|----------------|--|--------------------------------------------------------------------|--|
| <p><b>LEGEND</b></p> <p>⊕ MONITOR WELL LOCATIONS</p>               | <p><b>NOTES:</b></p> | <p> <b>TETRA TECH</b><br/>901 W. WALL STREET STE. 100<br/>MIDLAND, TEXAS<br/>(432) 682-4559</p> | <p>GLENN SPRINGS HOLDINGS</p> <p><b>NORTH</b></p> <p>0 20 60ft</p> | <p><b>SITE MAP</b></p> <p>E.C. HILL FEDERAL #7 &amp; B, D TB<br/>LEA COUNTY, NEW MEXICO</p> <table border="1"><tr><td>Project: 212C-MD-02107</td><td>REV.</td></tr><tr><td>Date: 7/7/2019</td><td></td></tr><tr><td colspan="2">File: H:\Acad Data\GLENN SPRINGS\2015\212C-MD-01686 EC HILL FED #7</td></tr></table> | Project: 212C-MD-02107 | REV. | Date: 7/7/2019 |  | File: H:\Acad Data\GLENN SPRINGS\2015\212C-MD-01686 EC HILL FED #7 |  |
| Project: 212C-MD-02107                                             | REV.                 |                                                                                                                                                                                      |                                                                    |                                                                                                                                                                                                                                                                                                                      |                        |      |                |  |                                                                    |  |
| Date: 7/7/2019                                                     |                      |                                                                                                                                                                                      |                                                                    |                                                                                                                                                                                                                                                                                                                      |                        |      |                |  |                                                                    |  |
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**LEGEND**

- = MONITOR WELL LOCATIONS
- = BURIED PIPELINE
- = ABOVEGROUND FLOWLINE
- = CONTOUR INTERVALS .25 FT.
- = APPARENT GROUND WATER GRADIENT DIRECTIONAL

**NOTES:**

1. ALL ELEVATIONS IN FEET AMSL

**Tetra Tech**

901 W. WALL STREET STE. 100  
MIDLAND, TEXAS

**GLENN SPRINGS HOLDINGS**

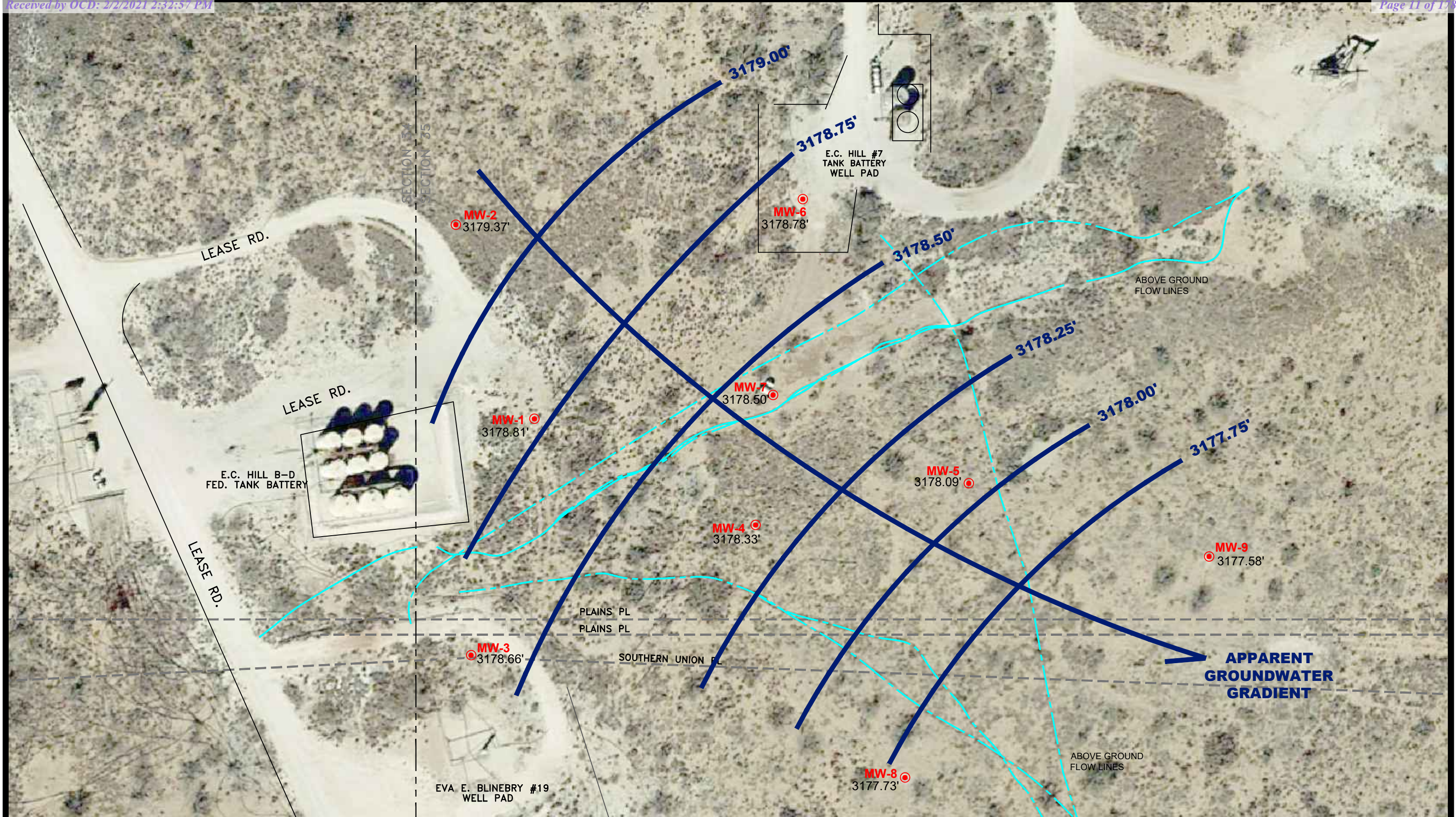
**NORTH**

0 20 60ft

**FIGURE 4**

**GROUND WATER GRADIENT MAP**  
FEBRUARY 21, 2020  
E.C. HILL FEDERAL B-D #7 TB  
LEA COUNTY, NEW MEXICO

|                                                                                |      |
|--------------------------------------------------------------------------------|------|
| Project: 212C-MD-02107                                                         | REV. |
| Date: 11/03/20                                                                 |      |
| File: M:\Acad Data\GLENN SPRINGS\2020\212C-MD-02107 E.C. HILL FEDERAL #7 & B.D |      |



**LEGEND**

- = MONITOR WELL LOCATIONS
- = BURIED PIPELINE
- = ABOVEGROUND FLOWLINE
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**NOTES:**

1. ALL ELEVATIONS IN FEET AMSL

**Tetra Tech**

901 W. WALL STREET STE. 100  
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GLENN SPRINGS HOLDINGS

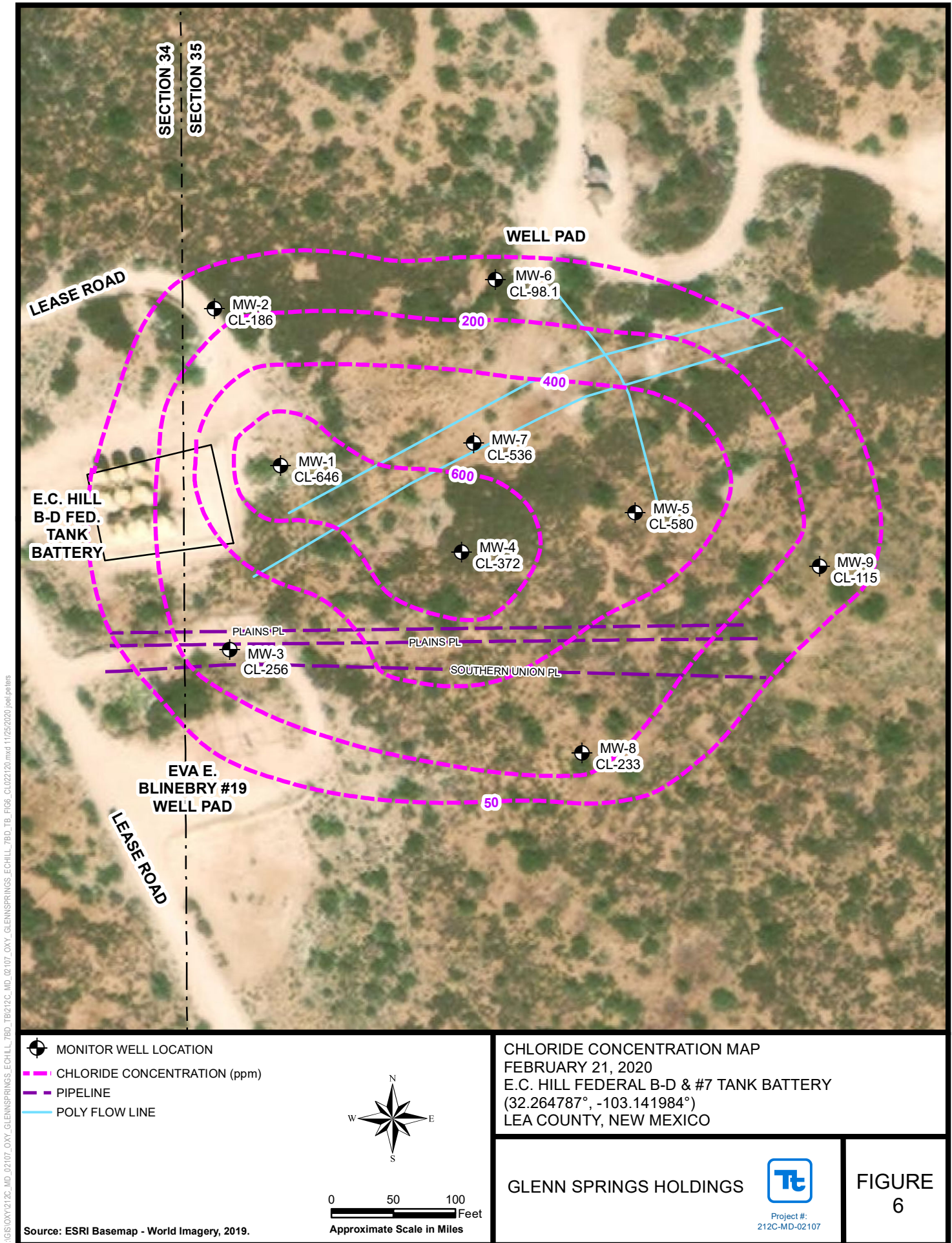
**NORTH**

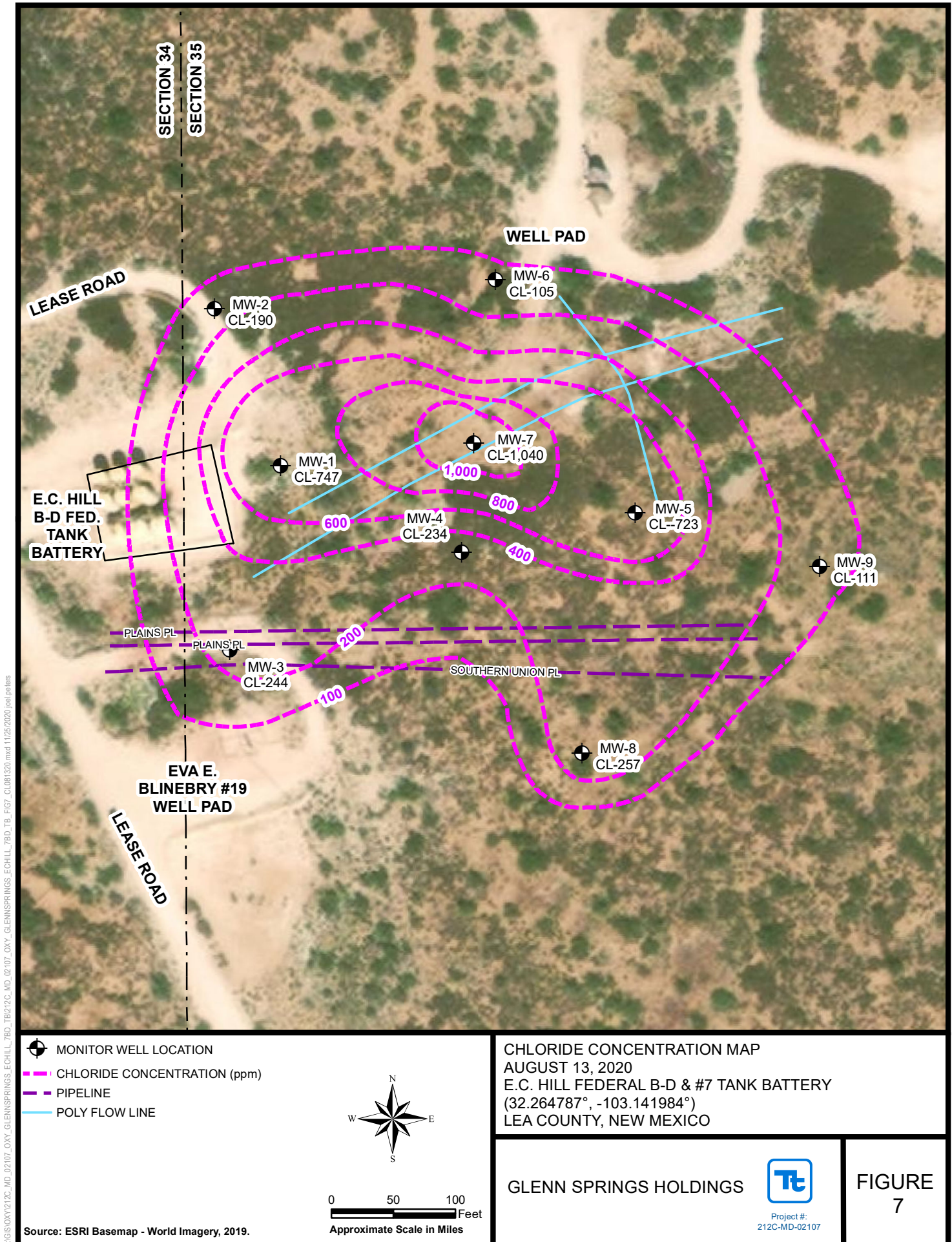
0 20 60ft

**FIGURE 5**

GROUND WATER GRADIENT MAP  
AUGUST 13, 2020  
E.C. HILL FEDERAL B-D #7 TB  
LEA COUNTY, NEW MEXICO

|                                                                                |      |
|--------------------------------------------------------------------------------|------|
| Project: 212C-MD-02107                                                         | REV. |
| Date: May 7, 2020                                                              |      |
| File: M:\Acad Data\GLENN SPRINGS\2020\212C-MD-02107 E.C. HILL FEDERAL #7 & B.D |      |





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## ***Tables***

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Table 1  
 OXY USA, Inc.  
 E.C. Hill B-D & Federal #7 TB  
 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                    | 10/22/08            | 3257.81                                  | 93.00                          | --                       | 78.82                        | --                       | 3178.99                          |
|                         | 12/11/08            |                                          |                                | --                       | 78.39                        | --                       | 3179.42                          |
|                         | 03/11/09            |                                          |                                | --                       | 78.83                        | --                       | 3178.98                          |
|                         | 06/10/09            |                                          |                                | --                       | 78.78                        | --                       | 3179.03                          |
|                         | 09/15/09            |                                          |                                | --                       | 78.82                        | --                       | 3178.99                          |
|                         | 12/07/09            |                                          |                                | --                       | 78.80                        | --                       | 3179.01                          |
|                         | 03/10/10            |                                          |                                | --                       | 78.83                        | --                       | 3178.98                          |
|                         | 06/07/10            |                                          |                                | --                       | 78.78                        | --                       | 3179.03                          |
|                         | 09/13/10            |                                          |                                | --                       | 79.75                        | --                       | 3178.06                          |
|                         | 12/13/10            |                                          |                                | --                       | 78.97                        | --                       | 3178.84                          |
|                         | 03/10/11            |                                          |                                | --                       | 78.97                        | --                       | 3178.84                          |
|                         | 06/13/11            |                                          |                                | --                       | 79.03                        | --                       | 3178.78                          |
|                         | 09/19/11            |                                          |                                | --                       | 79.06                        | --                       | 3178.75                          |
|                         | 12/17/11            |                                          |                                | --                       | 79.13                        | --                       | 3178.68                          |
|                         | 04/05/12            |                                          |                                | --                       | 79.06                        | --                       | 3178.75                          |
|                         | 06/19/12            |                                          |                                | --                       | 79.09                        | --                       | 3178.72                          |
|                         | 09/25/12            |                                          |                                | --                       | 79.09                        | --                       | 3178.72                          |
|                         | 11/26/12            |                                          |                                | --                       | 79.12                        | --                       | 3178.69                          |
|                         | 12/14/12            |                                          |                                | --                       | 79.12                        | --                       | 3178.69                          |
|                         | 03/28/13            |                                          | 92.87                          | --                       | 79.10                        | --                       | 3178.71                          |
|                         | 06/06/13            |                                          |                                | --                       | 79.20                        | --                       | 3178.61                          |
|                         | 09/19/13            |                                          |                                | --                       | 79.20                        | --                       | 3178.61                          |
|                         | 12/26/13            |                                          | 92.87                          | --                       | 79.22                        | --                       | 3178.59                          |
|                         | 03/26/14            |                                          | 90.80                          | --                       | 79.20                        | --                       | 3178.61                          |
|                         | 06/17/14            |                                          | 90.80                          | --                       | 79.20                        | --                       | 3178.61                          |
|                         | 09/26/14            |                                          | 90.55                          | --                       | 79.26                        | --                       | 3178.55                          |
|                         | 12/15/14            |                                          | 90.55                          | --                       | 79.28                        | --                       | 3178.53                          |
|                         | 03/25/15            |                                          | 90.55                          | --                       | 79.20                        | --                       | 3178.61                          |
|                         | 06/17/15            |                                          | 90.25                          | --                       | 79.11                        | --                       | 3178.70                          |
|                         | 09/09/15            |                                          | 90.25                          | --                       | 79.09                        | --                       | 3178.72                          |
|                         | 12/18/15            |                                          | 89.46                          | --                       | 79.05                        | --                       | 3178.76                          |
|                         | 03/14/16            |                                          | --                             | --                       | 78.99                        | --                       | 3178.82                          |
|                         | 06/28/16            |                                          | --                             | --                       | 79.04                        | --                       | 3178.77                          |
|                         | 09/07/16            |                                          | --                             | --                       | 79.05                        | --                       | 3178.76                          |
|                         | 12/06/16            |                                          | --                             | --                       | 79.11                        | --                       | 3178.70                          |
|                         | 03/01/17            |                                          | 90.02                          | --                       | 79.03                        | --                       | 3178.78                          |
|                         | 08/29/17            |                                          | 90.02                          | --                       | 79.03                        | --                       | 3178.78                          |
|                         | 02/20/18            |                                          | 89.96                          | --                       | 78.95                        | --                       | 3178.86                          |
|                         | 09/11/18            |                                          | --                             | --                       | 79.00                        | --                       | 3178.81                          |
|                         | 02/07/19            |                                          | 88.93                          | --                       | 78.89                        | --                       | 3178.92                          |
|                         | 08/09/19            |                                          | 81.15                          | --                       | 78.93                        | --                       | 3178.88                          |
|                         | 02/20/20            |                                          | 81.15                          | --                       | 78.91                        | --                       | 3178.90                          |
|                         | 08/13/20            |                                          | 81.15                          | --                       | 79.00                        | --                       | 3178.81                          |

112MC06820  
 212C-MD-02107

Table 1  
 OXY USA, Inc.  
 E.C. Hill B-D & Federal #7 TB  
 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-2                    | 10/23/08            | 3258.87                                  | 91.30                          | --                       | 79.39                        | --                       | 3179.48                          |
|                         | 12/12/08            |                                          |                                | --                       | 79.33                        | --                       | 3179.54                          |
|                         | 03/11/09            |                                          |                                | --                       | 79.36                        | --                       | 3179.51                          |
|                         | 06/10/09            |                                          |                                | --                       | 79.33                        | --                       | 3179.54                          |
|                         | 09/15/09            |                                          |                                | --                       | 79.39                        | --                       | 3179.48                          |
|                         | 12/07/09            |                                          |                                | --                       | 79.35                        | --                       | 3179.52                          |
|                         | 03/10/10            |                                          |                                | --                       | 79.41                        | --                       | 3179.46                          |
|                         | 06/07/10            |                                          |                                | --                       | 79.41                        | --                       | 3179.46                          |
|                         | 09/13/10            |                                          |                                | --                       | 80.30                        | --                       | 3178.57                          |
|                         | 12/13/10            |                                          |                                | --                       | 79.54                        | --                       | 3179.33                          |
|                         | 03/10/11            |                                          |                                | --                       | 79.57                        | --                       | 3179.30                          |
|                         | 06/13/11            |                                          |                                | --                       | 79.60                        | --                       | 3179.27                          |
|                         | 09/19/11            |                                          |                                | --                       | 79.60                        | --                       | 3179.27                          |
|                         | 12/17/11            |                                          |                                | --                       | 79.70                        | --                       | 3179.17                          |
|                         | 04/05/12            |                                          |                                | --                       | 79.59                        | --                       | 3179.28                          |
|                         | 06/19/12            |                                          |                                | --                       | 79.66                        | --                       | 3179.21                          |
|                         | 09/25/12            |                                          |                                | --                       | 79.65                        | --                       | 3179.22                          |
|                         | 11/26/12            |                                          |                                | --                       | 79.70                        | --                       | 3179.17                          |
|                         | 12/14/12            | 91.30                                    | --                             | 79.69                    | --                           | 3179.18                  |                                  |
|                         | 03/28/13            |                                          | 86.74                          | --                       | 79.71                        | --                       | 3179.16                          |
|                         | 06/06/13            |                                          | --                             | 79.75                    | --                           | 3179.12                  |                                  |
|                         | 09/19/13            |                                          | --                             | 79.28                    | --                           | 3179.59                  |                                  |
|                         | 12/26/13            |                                          | 86.74                          | --                       | 79.81                        | --                       | 3179.06                          |
|                         | 03/26/14            |                                          | 84.69                          | --                       | 79.75                        | --                       | 3179.12                          |
|                         | 06/17/14            |                                          | 84.69                          | --                       | 79.76                        | --                       | 3179.11                          |
|                         | 09/26/14            |                                          | 84.49                          | --                       | 79.81                        | --                       | 3179.06                          |
|                         | 12/15/14            |                                          | 84.49                          | --                       | 79.83                        | --                       | 3179.04                          |
|                         | 03/25/15            |                                          | 84.49                          | --                       | 79.76                        | --                       | 3179.11                          |
|                         | 06/17/15            |                                          | 84.49                          | --                       | 79.69                        | --                       | 3179.18                          |
|                         | 09/09/15            |                                          | 84.49                          | --                       | 79.64                        | --                       | 3179.23                          |
|                         | 12/18/15            |                                          | 84.22                          | --                       | 79.61                        | --                       | 3179.26                          |
|                         | 03/14/16            |                                          | 84.22                          | -                        | 79.57                        | --                       | 3179.30                          |
|                         | 06/28/16            |                                          | --                             | --                       | 79.56                        | --                       | 3179.31                          |
|                         | 09/07/16            |                                          | --                             | --                       | 79.60                        | --                       | 3179.27                          |
|                         | 12/06/16            |                                          | --                             | --                       | 79.64                        | --                       | 3179.23                          |
|                         | 03/01/17            |                                          | 83.89                          | --                       | 79.69                        | --                       | 3179.18                          |
|                         | 08/29/17            | 83.89                                    | --                             | 79.81                    | --                           | 3179.06                  |                                  |
|                         | 02/20/18            | 83.97                                    | --                             | 79.52                    | --                           | 3179.35                  |                                  |
|                         | 09/11/18            | --                                       | --                             | 79.56                    | --                           | 3179.31                  |                                  |
|                         | 02/07/19            | 83.82                                    | --                             | 79.47                    | --                           | 3179.40                  |                                  |
|                         | 08/09/19            | 83.85                                    | --                             | 79.51                    | --                           | 3179.36                  |                                  |
|                         | 02/20/20            | 83.85                                    | --                             | 79.49                    | --                           | 3179.38                  |                                  |
|                         | 08/13/20            | 83.85                                    | --                             | 79.50                    | --                           | 3179.37                  |                                  |

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Table 1  
 OXY USA, Inc.  
 E.C. Hill B-D & Federal #7 TB  
 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-3                    | 10/23/08            | 3259.24                                  | 92.75                          | --                       | 79.42                        | --                       | 3179.82                          |
|                         | 12/12/08            |                                          |                                | --                       | 80.38                        | --                       | 3178.86                          |
|                         | 03/11/09            |                                          |                                | --                       | 80.40                        | --                       | 3178.84                          |
|                         | 06/10/09            |                                          |                                | --                       | 80.36                        | --                       | 3178.88                          |
|                         | 09/15/09            |                                          |                                | --                       | 80.42                        | --                       | 3178.82                          |
|                         | 12/07/09            |                                          |                                | --                       | 80.40                        | --                       | 3178.84                          |
|                         | 03/10/10            |                                          |                                | --                       | 80.43                        | --                       | 3178.81                          |
|                         | 06/07/10            |                                          |                                | --                       | 80.44                        | --                       | 3178.80                          |
|                         | 09/13/10            |                                          |                                | --                       | 81.34                        | --                       | 3177.90                          |
|                         | 12/13/10            |                                          |                                | --                       | 80.58                        | --                       | 3178.66                          |
|                         | 03/10/11            |                                          |                                | --                       | 80.58                        | --                       | 3178.66                          |
|                         | 06/13/11            |                                          |                                | --                       | 80.62                        | --                       | 3178.62                          |
|                         | 09/19/11            |                                          |                                | --                       | 80.65                        | --                       | 3178.59                          |
|                         | 12/17/11            |                                          |                                | --                       | 80.75                        | --                       | 3178.49                          |
|                         | 04/05/12            |                                          |                                | --                       | 80.63                        | --                       | 3178.61                          |
|                         | 06/19/12            |                                          |                                | --                       | 80.66                        | --                       | 3178.58                          |
|                         | 09/25/12            |                                          |                                | --                       | 80.70                        | --                       | 3178.54                          |
|                         | 11/26/12            |                                          |                                | --                       | 80.75                        | --                       | 3178.49                          |
|                         | 12/14/12            |                                          |                                | --                       | 80.81                        | --                       | 3178.43                          |
|                         | 03/28/13            |                                          | 86.62                          | --                       | 80.72                        | --                       | 3178.52                          |
|                         | 06/06/13            |                                          |                                | --                       | 80.77                        | --                       | 3178.47                          |
|                         | 09/19/13            |                                          |                                | --                       | 80.79                        | --                       | 3178.45                          |
|                         | 12/26/13            |                                          |                                | --                       | 80.85                        | --                       | 3178.39                          |
|                         | 03/26/14            |                                          | 83.87                          |                          | 80.81                        |                          | 3178.43                          |
|                         | 06/17/14            |                                          | 83.87                          | --                       | 80.79                        | --                       | 3178.45                          |
|                         | 09/26/14            |                                          | 83.98                          | --                       | 80.87                        | --                       | 3178.37                          |
|                         | 12/15/14            |                                          | 83.98                          | --                       | 80.90                        | --                       | 3178.34                          |
|                         | 03/25/15            |                                          | 83.93                          | --                       | 80.84                        | --                       | 3178.40                          |
|                         | 06/17/15            |                                          | 83.88                          | --                       | 80.79                        | --                       | 3178.45                          |
|                         | 09/09/15            |                                          | 83.88                          | --                       | 80.70                        | --                       | 3178.54                          |
|                         | 12/18/15            |                                          | --                             | --                       | 80.70                        | --                       | 3178.54                          |
|                         | 03/14/16            |                                          | --                             | --                       | 80.64                        | --                       | 3178.60                          |
|                         | 06/28/16            |                                          | --                             | --                       | 80.56                        | --                       | 3178.68                          |
|                         | 09/07/16            |                                          | --                             | --                       | 80.59                        | --                       | 3178.65                          |
|                         | 12/06/16            |                                          | --                             | --                       | 80.71                        | --                       | 3178.53                          |
|                         | 03/01/17            |                                          | 83.75                          | --                       | 80.66                        | --                       | 3178.58                          |
|                         | 08/29/17            |                                          | 83.75                          | --                       | 80.64                        | --                       | 3178.60                          |
|                         | 02/20/18            |                                          | 83.78                          | --                       | 80.57                        | --                       | 3178.67                          |
|                         | 09/11/18            |                                          | --                             | --                       | 80.59                        | --                       | 3178.65                          |
|                         | 02/07/19            |                                          | 83.80                          | --                       | 80.50                        | --                       | 3178.74                          |
|                         | 08/09/19            |                                          | 84.00                          | --                       | 80.52                        | --                       | 3178.72                          |
|                         | 02/20/20            |                                          | 84.00                          | --                       | 80.51                        | --                       | 3178.73                          |
|                         | 08/13/20            |                                          | 84.00                          | --                       | 80.58                        | --                       | 3178.66                          |

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Table 1  
 OXY USA, Inc.  
 E.C. Hill B-D & Federal #7 TB  
 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-4                    | 10/23/08            | 3258.53                                  | 91.00                          | --                       | 80.03                        | --                       | 3178.50                          |
|                         | 12/12/08            |                                          |                                | --                       | 80.00                        | --                       | 3178.53                          |
|                         | 03/11/09            |                                          |                                | --                       | 80.02                        | --                       | 3178.51                          |
|                         | 06/10/09            |                                          |                                | --                       | 79.99                        | --                       | 3178.54                          |
|                         | 09/15/09            |                                          |                                | --                       | 80.04                        | --                       | 3178.49                          |
|                         | 12/07/09            |                                          |                                | --                       | 80.04                        | --                       | 3178.49                          |
|                         | 03/10/10            |                                          |                                | --                       | 80.06                        | --                       | 3178.47                          |
|                         | 06/07/10            |                                          |                                | --                       | 80.03                        | --                       | 3178.50                          |
|                         | 09/13/10            |                                          |                                | --                       | 80.95                        | --                       | 3177.58                          |
|                         | 12/13/10            |                                          |                                | --                       | 80.19                        | --                       | 3178.34                          |
|                         | 03/10/11            |                                          |                                | --                       | 80.20                        | --                       | 3178.33                          |
|                         | 06/13/11            |                                          |                                | --                       | 80.23                        | --                       | 3178.30                          |
|                         | 09/19/11            |                                          |                                | --                       | 80.25                        | --                       | 3178.28                          |
|                         | 12/17/11            |                                          |                                | --                       | 80.35                        | --                       | 3178.18                          |
|                         | 04/05/12            |                                          |                                | --                       | 80.24                        | --                       | 3178.29                          |
|                         | 06/19/12            |                                          |                                | --                       | 80.40                        | --                       | 3178.13                          |
|                         | 09/25/12            |                                          |                                | --                       | 80.34                        | --                       | 3178.19                          |
|                         | 11/26/12            |                                          |                                | --                       | 80.49                        | --                       | 3178.04                          |
|                         | 12/14/12            | 88.27                                    | --                             | 80.34                    | --                           | 3178.19                  |                                  |
|                         | 03/28/13            | 89.81                                    | --                             | 80.34                    | --                           | 3178.19                  |                                  |
|                         | 06/06/13            | --                                       | 80.40                          | --                       | 3178.13                      |                          |                                  |
|                         | 09/19/13            | 89.25                                    | --                             | 80.42                    | --                           | 3178.11                  |                                  |
|                         | 12/26/13            | 89.81                                    | --                             | 80.46                    | --                           | 3178.07                  |                                  |
|                         | 03/26/14            | 87.92                                    | --                             | 80.42                    | --                           | 3178.11                  |                                  |
|                         | 06/17/14            | 87.92                                    | --                             | 80.42                    | --                           | 3178.11                  |                                  |
|                         | 09/26/14            | 87.93                                    | --                             | 80.49                    | --                           | 3178.04                  |                                  |
|                         | 12/15/14            | 87.93                                    | --                             | 80.54                    | --                           | 3177.99                  |                                  |
|                         | 03/25/15            | 87.93                                    | --                             | 80.42                    | --                           | 3178.11                  |                                  |
|                         | 06/17/15            | 87.83                                    | --                             | 80.37                    | --                           | 3178.16                  |                                  |
|                         | 09/09/15            | 87.83                                    | --                             | 80.33                    | --                           | 3178.20                  |                                  |
|                         | 12/18/15            | 87.74                                    | --                             | 80.28                    | --                           | 3178.25                  |                                  |
|                         | 03/14/16            | --                                       | --                             | 80.21                    | --                           | 3178.32                  |                                  |
|                         | 06/28/16            | --                                       | --                             | 80.25                    | --                           | 3178.28                  |                                  |
|                         | 09/07/16            | --                                       | --                             | 80.25                    | --                           | 3178.28                  |                                  |
|                         | 12/06/16            | --                                       | --                             | 80.24                    | --                           | 3178.29                  |                                  |
|                         | 03/01/17            | 87.65                                    | --                             | 80.29                    | --                           | 3178.24                  |                                  |
|                         | 08/29/17            | 87.65                                    | --                             | 80.23                    | --                           | 3178.30                  |                                  |
|                         | 02/20/18            | 87.76                                    | --                             | 80.17                    | --                           | 3178.36                  |                                  |
|                         | 09/11/18            | --                                       | --                             | 80.16                    | --                           | 3178.37                  |                                  |
|                         | 02/07/19            | 87.82                                    | --                             | 80.10                    | --                           | 3178.43                  |                                  |
|                         | 08/09/19            | 87.85                                    | --                             | 80.13                    | --                           | 3178.40                  |                                  |
|                         | 02/21/20            | 87.85                                    | --                             | 80.10                    | --                           | 3178.43                  |                                  |
|                         | 08/13/20            | 87.85                                    | --                             | 80.20                    | --                           | 3178.33                  |                                  |

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Table 1  
 OXY USA, Inc.  
 E.C. Hill B-D & Federal #7 TB  
 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-5                    | 10/23/08            | 3255.69                                  | 92.50                          | --                       | 77.45                        | --                       | 3178.24                          |
|                         | 12/12/08            |                                          |                                | --                       | 77.41                        | --                       | 3178.28                          |
|                         | 03/11/09            |                                          |                                | --                       | 77.43                        | --                       | 3178.26                          |
|                         | 06/10/09            |                                          |                                | --                       | 77.40                        | --                       | 3178.29                          |
|                         | 09/15/09            |                                          |                                | --                       | 77.46                        | --                       | 3178.23                          |
|                         | 12/07/09            |                                          |                                | --                       | 77.45                        | --                       | 3178.24                          |
|                         | 03/10/10            |                                          |                                | --                       | 77.45                        | --                       | 3178.24                          |
|                         | 06/07/10            |                                          |                                | --                       | 77.43                        | --                       | 3178.26                          |
|                         | 09/13/10            |                                          |                                | --                       | 78.35                        | --                       | 3177.34                          |
|                         | 12/13/10            |                                          |                                | --                       | 77.59                        | --                       | 3178.10                          |
|                         | 03/10/11            |                                          |                                | --                       | 77.60                        | --                       | 3178.09                          |
|                         | 06/13/11            |                                          |                                | --                       | 77.64                        | --                       | 3178.05                          |
|                         | 09/19/11            |                                          |                                | --                       | 77.65                        | --                       | 3178.04                          |
|                         | 12/17/11            |                                          |                                | --                       | 77.78                        | --                       | 3177.91                          |
|                         | 04/05/12            |                                          |                                | --                       | 77.67                        | --                       | 3178.02                          |
|                         | 06/19/12            |                                          |                                | --                       | 77.71                        | --                       | 3177.98                          |
|                         | 09/25/12            |                                          |                                | --                       | 77.73                        | --                       | 3177.96                          |
|                         | 11/26/12            |                                          |                                | --                       | 77.79                        | --                       | 3177.90                          |
|                         | 12/14/12            |                                          |                                | --                       | 77.74                        | --                       | 3177.95                          |
|                         | 03/28/13            |                                          | 90.54                          | --                       | 77.76                        | --                       | 3177.93                          |
|                         | 06/06/13            |                                          |                                | --                       | 77.83                        | --                       | 3177.86                          |
|                         | 09/19/13            |                                          |                                | --                       | 77.82                        | --                       | 3177.87                          |
|                         | 12/26/13            |                                          | 90.54                          | --                       | 77.87                        | --                       | 3177.82                          |
|                         | 03/26/14            |                                          | 87.65                          | --                       | 77.84                        | --                       | 3177.85                          |
|                         | 06/17/14            |                                          | 87.65                          | --                       | 77.83                        | --                       | 3177.86                          |
|                         | 09/26/14            |                                          | 87.58                          | --                       | 77.90                        | --                       | 3177.79                          |
|                         | 12/15/14            |                                          | 87.58                          | --                       | 77.96                        | --                       | 3177.73                          |
|                         | 03/25/15            |                                          | 87.58                          | --                       | 77.87                        | --                       | 3177.82                          |
|                         | 06/17/15            |                                          | 87.40                          | --                       | 77.81                        | --                       | 3177.88                          |
|                         | 09/09/15            |                                          | 87.40                          | --                       | 77.76                        | --                       | 3177.93                          |
|                         | 12/18/15            |                                          | 87.35                          | --                       | 77.71                        | --                       | 3177.98                          |
|                         | 03/14/16            |                                          | --                             | --                       | 77.69                        | --                       | 3178.00                          |
|                         | 06/28/16            |                                          | --                             | --                       | 77.67                        | --                       | 3178.02                          |
|                         | 09/07/16            |                                          | --                             | --                       | 77.64                        | --                       | 3178.05                          |
|                         | 12/06/16            |                                          | --                             | --                       | 77.89                        | --                       | 3177.80                          |
|                         | 03/01/17            |                                          | 87.28                          | --                       | 77.67                        | --                       | 3178.02                          |
|                         | 08/29/17            |                                          | 87.28                          | --                       | 77.65                        | --                       | 3178.04                          |
|                         | 02/20/18            |                                          | 87.28                          | --                       | 77.57                        | --                       | 3178.12                          |
|                         | 09/11/18            |                                          | --                             | --                       | 77.85                        | --                       | 3177.84                          |
|                         | 02/07/19            |                                          | 85.25                          | --                       | 77.50                        | --                       | 3178.19                          |
|                         | 08/09/19            |                                          | 87.35                          | --                       | 77.56                        | --                       | 3178.13                          |
|                         | 02/21/20            |                                          | 87.35                          | --                       | 77.47                        | --                       | 3178.22                          |
|                         | 08/13/20            |                                          | 87.35                          | --                       | 77.60                        | --                       | 3178.09                          |

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Table 1  
 OXY USA, Inc.  
 E.C. Hill B-D & Federal #7 TB  
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 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-6                    | 10/23/08            | 3257.98                                  | 93.00                          | --                       | 79.03                        | --                       | 3178.95                          |
|                         | 12/12/08            |                                          |                                | --                       | 78.97                        | --                       | 3179.01                          |
|                         | 03/11/09            |                                          |                                | --                       | 79.03                        | --                       | 3178.95                          |
|                         | 06/10/09            |                                          |                                | --                       | 79.00                        | --                       | 3178.98                          |
|                         | 09/15/09            |                                          |                                | --                       | 79.04                        | --                       | 3178.94                          |
|                         | 12/07/09            |                                          |                                | --                       | 79.03                        | --                       | 3178.95                          |
|                         | 03/10/10            |                                          |                                | --                       | 79.06                        | --                       | 3178.92                          |
|                         | 06/07/10            |                                          |                                | --                       | 79.05                        | --                       | 3178.93                          |
|                         | 09/13/10            |                                          |                                | --                       | 79.97                        | --                       | 3178.01                          |
|                         | 12/13/10            |                                          |                                | --                       | 79.19                        | --                       | 3178.79                          |
|                         | 03/10/11            |                                          |                                | --                       | 79.21                        | --                       | 3178.77                          |
|                         | 06/13/11            |                                          |                                | --                       | 79.24                        | --                       | 3178.74                          |
|                         | 09/19/11            |                                          |                                | --                       | 79.18                        | --                       | 3178.80                          |
|                         | 12/17/11            |                                          |                                | --                       | 79.34                        | --                       | 3178.64                          |
|                         | 04/05/12            |                                          |                                | --                       | 79.24                        | --                       | 3178.74                          |
|                         | 06/19/12            |                                          |                                | --                       | 79.31                        | --                       | 3178.67                          |
|                         | 09/25/12            |                                          |                                | --                       | 79.35                        | --                       | 3178.63                          |
|                         | 11/26/12            |                                          |                                | --                       | 79.37                        | --                       | 3178.61                          |
|                         | 12/14/12            |                                          |                                | --                       | 79.35                        | --                       | 3178.63                          |
|                         | 03/28/13            |                                          | 88.27                          | --                       | 79.36                        | --                       | 3178.62                          |
|                         | 06/06/13            |                                          | 88.27                          | --                       | 79.41                        | --                       | 3178.57                          |
|                         | 09/19/13            |                                          |                                | --                       | 79.38                        | --                       | 3178.60                          |
|                         | 12/26/13            |                                          |                                | --                       | 79.46                        | --                       | 3178.52                          |
|                         | 03/26/14            |                                          |                                | --                       | 79.43                        | --                       | 3178.55                          |
|                         | 06/17/14            |                                          | 83.71                          | --                       | 79.40                        | --                       | 3178.58                          |
|                         | 09/26/14            |                                          | 83.45                          | --                       | 79.49                        | --                       | 3178.49                          |
|                         | 12/15/14            |                                          | 83.45                          | --                       | 79.52                        | --                       | 3178.46                          |
|                         | 03/25/15            |                                          | -                              | --                       | 79.47                        | --                       | 3178.51                          |
|                         | 06/17/15            |                                          | 83.69                          | --                       | 79.36                        | --                       | 3178.62                          |
|                         | 09/09/15            |                                          | 83.69                          | --                       | 79.29                        | --                       | 3178.69                          |
|                         | 12/18/15            |                                          | 83.64                          | --                       | 79.25                        | --                       | 3178.73                          |
|                         | 03/14/16            |                                          | --                             | --                       | 79.21                        | --                       | 3178.77                          |
|                         | 06/28/16            |                                          | --                             | --                       | 79.23                        | --                       | 3178.75                          |
|                         | 09/07/16            |                                          | --                             | --                       | 79.27                        | --                       | 3178.71                          |
|                         | 12/06/16            |                                          | --                             | --                       | 79.22                        | --                       | 3178.76                          |
|                         | 03/01/17            |                                          | 83.40                          | --                       | 79.29                        | --                       | 3178.69                          |
|                         | 08/29/17            |                                          | 83.40                          | --                       | 79.25                        | --                       | 3178.73                          |
|                         | 02/20/18            |                                          | 83.35                          | --                       | 79.07                        | --                       | 3178.91                          |
|                         | 09/11/18            |                                          | --                             | --                       | 79.21                        | --                       | 3178.77                          |
|                         | 02/07/19            |                                          | 83.60                          | --                       | 79.10                        | --                       | 3178.88                          |
|                         | 08/09/19            |                                          | 83.60                          | --                       | 79.14                        | --                       | 3178.84                          |
|                         | 02/21/20            |                                          | 83.60                          | --                       | 79.06                        | --                       | 3178.92                          |
|                         | 08/13/20            |                                          | 83.60                          | --                       | 79.20                        | --                       | 3178.78                          |

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Table 1  
 OXY USA, Inc.  
 E.C. Hill B-D & Federal #7 TB  
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 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-7                    | 10/23/08            | 3256.95                                  | 93.00                          | --                       | 78.28                        | --                       | 3178.67                          |
|                         | 12/12/08            |                                          |                                | --                       | 78.24                        | --                       | 3178.71                          |
|                         | 03/11/09            |                                          |                                | --                       | 78.27                        | --                       | 3178.68                          |
|                         | 06/10/09            |                                          |                                | --                       | 78.23                        | --                       | 3178.72                          |
|                         | 09/15/09            |                                          |                                | --                       | 78.29                        | --                       | 3178.66                          |
|                         | 12/07/09            |                                          |                                | --                       | 78.27                        | --                       | 3178.68                          |
|                         | 03/10/10            |                                          |                                | --                       | 78.29                        | --                       | 3178.66                          |
|                         | 06/07/10            |                                          |                                | --                       | 78.29                        | --                       | 3178.66                          |
|                         | 09/13/10            |                                          |                                | --                       | 79.20                        | --                       | 3177.75                          |
|                         | 12/13/10            |                                          |                                | --                       | 78.42                        | --                       | 3178.53                          |
|                         | 03/10/11            |                                          |                                | --                       | 78.42                        | --                       | 3178.53                          |
|                         | 06/13/11            |                                          |                                | --                       | 78.45                        | --                       | 3178.50                          |
|                         | 09/19/11            |                                          |                                | --                       | 78.49                        | --                       | 3178.46                          |
|                         | 12/17/11            |                                          |                                | --                       | 78.60                        | --                       | 3178.35                          |
|                         | 04/05/12            |                                          |                                | --                       | 78.48                        | --                       | 3178.47                          |
|                         | 06/19/12            |                                          |                                | --                       | 78.52                        | --                       | 3178.43                          |
|                         | 09/25/12            |                                          |                                | --                       | 78.59                        | --                       | 3178.36                          |
|                         | 11/26/12            |                                          |                                | --                       | 78.62                        | --                       | 3178.33                          |
|                         | 12/14/12            |                                          |                                | --                       | 78.54                        | --                       | 3178.41                          |
|                         | 03/28/13            |                                          | 94.06                          | --                       | 78.56                        | --                       | 3178.39                          |
|                         | 06/06/13            |                                          |                                | --                       | 78.67                        | --                       | 3178.28                          |
|                         | 09/19/13            |                                          |                                | --                       | 78.65                        | --                       | 3178.30                          |
|                         | 12/26/13            |                                          | 94.06                          | --                       | 78.69                        | --                       | 3178.26                          |
|                         | 03/26/14            |                                          | 91.90                          | --                       | 78.66                        | --                       | 3178.29                          |
|                         | 06/17/14            |                                          | 91.90                          | --                       | 78.65                        | --                       | 3178.30                          |
|                         | 09/26/14            |                                          | 91.90                          | --                       | 78.73                        | --                       | 3178.22                          |
|                         | 12/15/14            |                                          | 91.71                          | --                       | 78.76                        | --                       | 3178.19                          |
|                         | 03/25/15            |                                          | 91.70                          | --                       | 78.68                        | --                       | 3178.27                          |
|                         | 06/17/15            |                                          | 91.58                          | --                       | 78.55                        | --                       | 3178.40                          |
|                         | 09/09/15            |                                          | 91.58                          | --                       | 78.50                        | --                       | 3178.45                          |
|                         | 12/18/15            |                                          | 91.12                          | --                       | 78.52                        | --                       | 3178.43                          |
|                         | 03/14/16            |                                          | --                             | --                       | 78.46                        | --                       | 3178.49                          |
|                         | 06/28/16            |                                          | --                             | --                       | 78.49                        | --                       | 3178.46                          |
|                         | 09/07/16            |                                          | --                             | --                       | 78.46                        | --                       | 3178.49                          |
|                         | 12/06/16            |                                          | --                             | --                       | 78.52                        | --                       | 3178.43                          |
|                         | 03/01/17            |                                          | 89.77                          | --                       | 78.50                        | --                       | 3178.45                          |
|                         | 08/29/17            |                                          | 89.77                          | --                       | 78.50                        | --                       | 3178.45                          |
|                         | 02/20/18            |                                          | 91.95                          | --                       | 78.41                        | --                       | 3178.54                          |
|                         | 09/11/18            |                                          | --                             | --                       | 78.28                        | --                       | 3178.67                          |
|                         | 02/07/19            |                                          | 91.00                          | --                       | 78.36                        | --                       | 3178.59                          |
|                         | 08/09/19            |                                          | 91.00                          | --                       | 78.40                        | --                       | 3178.55                          |
|                         | 02/21/20            |                                          | 91.00                          | --                       | 78.36                        | --                       | 3178.59                          |
|                         | 08/13/20            |                                          | 91.00                          | --                       | 78.45                        | --                       | 3178.50                          |

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Table 1  
 OXY USA, Inc.  
 E.C. Hill B-D & Federal #7 TB  
 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-8                    | 11/16/12            | 3257.16                                  |                                | --                       | 79.62                        | --                       | 3177.54                          |
|                         | 11/26/12            |                                          |                                | --                       | 79.59                        | --                       | 3177.57                          |
|                         | 12/14/12            |                                          | 94.82                          | --                       | 79.56                        | --                       | 3177.60                          |
|                         | 03/28/13            |                                          | 94.93                          | --                       | 79.59                        | --                       | 3177.57                          |
|                         | 06/06/13            |                                          |                                | --                       | 79.65                        | --                       | 3177.51                          |
|                         | 09/19/13            |                                          |                                | --                       | 79.60                        | --                       | 3177.56                          |
|                         | 12/26/13            |                                          | 94.93                          | --                       | 79.68                        | --                       | 3177.48                          |
|                         | 03/26/14            |                                          | 88.33                          | --                       | 79.66                        | --                       | 3177.50                          |
|                         | 06/17/14            |                                          | 88.33                          | --                       | 79.64                        | --                       | 3177.52                          |
|                         | 09/26/14            |                                          | 88.33                          | --                       | 79.68                        | --                       | 3177.48                          |
|                         | 12/15/14            |                                          | 86.94                          | --                       | 79.76                        | --                       | 3177.40                          |
|                         | 03/25/15            |                                          | 86.93                          | --                       | 79.68                        | --                       | 3177.48                          |
|                         | 06/17/15            |                                          | 86.64                          | --                       | 79.64                        | --                       | 3177.52                          |
|                         | 09/09/15            |                                          | 86.64                          | --                       | 79.58                        | --                       | 3177.58                          |
|                         | 12/18/15            |                                          | 86.59                          | --                       | 79.52                        | --                       | 3177.64                          |
|                         | 03/14/16            |                                          | --                             | --                       | 79.50                        | --                       | 3177.66                          |
|                         | 06/28/16            |                                          | --                             | --                       | 79.49                        | --                       | 3177.67                          |
|                         | 09/07/16            |                                          | --                             | --                       | 79.45                        | --                       | 3177.71                          |
|                         | 12/06/16            |                                          | --                             | --                       | 79.52                        | --                       | 3177.64                          |
|                         | 03/01/17            |                                          | 85.77                          | --                       | 79.49                        | --                       | 3177.67                          |
|                         | 08/29/17            |                                          | 85.77                          | --                       | 79.49                        | --                       | 3177.67                          |
|                         | 02/20/18            |                                          | 85.83                          | --                       | 79.38                        | --                       | 3177.78                          |
|                         | 09/11/18            |                                          | --                             | --                       | 79.43                        | --                       | 3177.73                          |
|                         | 09/11/18            |                                          | 85.85                          | --                       | 79.30                        | --                       | 3177.86                          |
|                         | 08/09/19            |                                          | 85.70                          | --                       | 79.37                        | --                       | 3177.79                          |
|                         | 02/21/20            |                                          | 85.70                          | --                       | 79.29                        | --                       | 3177.87                          |
|                         | 08/13/20            |                                          | 85.70                          | --                       | 79.43                        | --                       | 3177.73                          |

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Table 1  
 OXY USA, Inc.  
 E.C. Hill B-D & Federal #7 TB  
 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-9                    | 11/16/12            | 3255.33                                  |                                | --                       | 77.98                        | --                       | 3177.35                          |
|                         | 11/26/12            |                                          |                                | --                       | 77.94                        | --                       | 3177.39                          |
|                         | 12/14/12            |                                          | 94.75                          | --                       | 77.92                        | --                       | 3177.41                          |
|                         | 03/28/13            |                                          | 96.34                          | --                       | 77.91                        | --                       | 3177.42                          |
|                         | 06/06/13            |                                          |                                | --                       | 78.00                        | --                       | 3177.33                          |
|                         | 09/19/13            |                                          |                                | --                       | 78.00                        | --                       | 3177.33                          |
|                         | 12/26/13            |                                          | 96.34                          | --                       | 78.05                        | --                       | 3177.28                          |
|                         | 03/26/14            |                                          | 93.22                          | --                       | 78.00                        | --                       | 3177.33                          |
|                         | 06/17/14            |                                          | 93.22                          | --                       | 77.96                        | --                       | 3177.37                          |
|                         | 09/26/14            |                                          | 93.22                          | --                       | 78.06                        | --                       | 3177.27                          |
|                         | 12/15/14            |                                          | 92.85                          | --                       | 78.09                        | --                       | 3177.24                          |
|                         | 03/25/15            |                                          | 92.83                          | --                       | 78.01                        | --                       | 3177.32                          |
|                         | 06/17/15            |                                          | 92.60                          | --                       | 77.93                        | --                       | 3177.40                          |
|                         | 09/09/15            |                                          | 92.60                          | --                       | 77.93                        | --                       | 3177.40                          |
|                         | 12/18/15            |                                          | 92.50                          | --                       | 77.88                        | --                       | 3177.45                          |
|                         | 03/14/16            |                                          | --                             | --                       | 77.80                        | --                       | 3177.53                          |
|                         | 06/28/16            |                                          | --                             | --                       | 77.83                        | --                       | 3177.50                          |
|                         | 09/07/16            |                                          | --                             | --                       | 77.85                        | --                       | 3177.48                          |
|                         | 12/06/16            |                                          | --                             | --                       | 77.85                        | --                       | 3177.48                          |
|                         | 03/01/17            |                                          | 92.45                          | --                       | 77.84                        | --                       | 3177.49                          |
|                         | 08/29/17            |                                          | 92.45                          | --                       | 77.79                        | --                       | 3177.54                          |
|                         | 02/20/18            |                                          | 92.51                          | --                       | 77.74                        | --                       | 3177.59                          |
|                         | 09/11/18            |                                          | --                             | --                       | 77.71                        | --                       | 3177.62                          |
|                         | 02/07/19            |                                          | 92.27                          | --                       | 77.64                        | --                       | 3177.69                          |
|                         | 08/09/19            |                                          | 92.40                          | --                       | 77.68                        | --                       | 3177.65                          |
|                         | 02/21/20            |                                          | 92.40                          | --                       | 77.74                        | --                       | 3177.59                          |
|                         | 08/13/20            |                                          | 92.40                          | --                       | 77.75                        | --                       | 3177.58                          |

( - ) No data      (TOC) Top of casing

**Table 2**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-1                                                                                                     | 09/22/06    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | <b>1,150</b>        |
|                                                                                                          | 05/16/07    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | <b>729</b>          |
|                                                                                                          | 10/22/08    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | <b>1060</b>         |
|                                                                                                          | 12/10/08    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>373</b>          |
|                                                                                                          | 03/11/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>922</b>          |
|                                                                                                          | 06/10/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>610</b>          |
| DUP                                                                                                      | 06/10/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>525</b>          |
|                                                                                                          | 09/15/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>456</b>          |
| DUP                                                                                                      | 09/15/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>449</b>          |
|                                                                                                          | 12/07/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>120</b>          |
|                                                                                                          | 03/10/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>91.4</b>         |
|                                                                                                          | 06/07/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>98.3</b>         |
|                                                                                                          | 09/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>174</b>          |
|                                                                                                          | 12/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>302</b>          |
|                                                                                                          | 03/10/11    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>118</b>          |
|                                                                                                          | 06/13/11    | <0.00014          | <0.0002         | <0.0003              | <0.00023         | <0.0003           | <b>390</b>          |
|                                                                                                          | 09/19/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>120</b>          |
|                                                                                                          | 12/13/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>100</b>          |
|                                                                                                          | 04/06/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>202</b>          |
|                                                                                                          | 06/19/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>167</b>          |
|                                                                                                          | 09/25/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>300</b>          |
|                                                                                                          | 12/14/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>525</b>          |
|                                                                                                          | 03/28/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>659</b>          |
|                                                                                                          | 06/06/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>348</b>          |
|                                                                                                          | 09/19/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>341</b>          |
|                                                                                                          | 12/27/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>193</b>          |
|                                                                                                          | 03/27/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>346</b>          |

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**Table 2**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-1 Cont.                                                                                               | 06/19/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>152</b>         |
|                                                                                                          | 09/30/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>118</b>         |
|                                                                                                          | 12/16/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>150</b>         |
|                                                                                                          | 03/25/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>177</b>         |
|                                                                                                          | 06/17/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>220</b>         |
|                                                                                                          | 09/09/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>230</b>         |
|                                                                                                          | 12/18/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>374</b>         |
|                                                                                                          | 03/15/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>210</b>         |
|                                                                                                          | 06/29/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>172</b>         |
|                                                                                                          | 09/08/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>198</b>         |
|                                                                                                          | 12/06/16    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>256</b>         |
|                                                                                                          | 03/02/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>148</b>         |
|                                                                                                          | 08/30/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>383</b>         |
|                                                                                                          | 02/22/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>407</b>         |
|                                                                                                          | 09/12/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>209</b>         |
|                                                                                                          | 02/07/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>632</b>         |
|                                                                                                          | 08/09/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>736</b>         |
|                                                                                                          | 02/20/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>646</b>         |
|                                                                                                          | 08/13/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>747</b>         |
| MW-2                                                                                                     | 10/22/08    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | <b>132</b>         |
|                                                                                                          | 12/10/08    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>349</b>         |
|                                                                                                          | 03/11/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>140</b>         |
|                                                                                                          | 06/10/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>134</b>         |
|                                                                                                          | 09/15/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>92.1</b>        |
|                                                                                                          | 12/07/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>142</b>         |
|                                                                                                          | 03/10/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>137</b>         |
|                                                                                                          | 06/07/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>140</b>         |

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**Table 2**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-2 Cont.                                                                                               | 09/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>145</b>         |
|                                                                                                          | 12/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>142</b>         |
|                                                                                                          | 03/10/11    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>143</b>         |
|                                                                                                          | 06/13/11    | <0.00014          | <0.0002         | <0.0003              | <0.00023         | <0.0003           | <b>160</b>         |
|                                                                                                          | 09/19/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>160</b>         |
|                                                                                                          | 12/13/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>250</b>         |
|                                                                                                          | 04/06/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>168</b>         |
|                                                                                                          | 06/19/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>172</b>         |
|                                                                                                          | 09/25/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>178</b>         |
|                                                                                                          | 12/14/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>162</b>         |
|                                                                                                          | 03/28/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>183</b>         |
|                                                                                                          | 06/06/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>185</b>         |
|                                                                                                          | 09/19/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>211</b>         |
|                                                                                                          | 12/27/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>184</b>         |
|                                                                                                          | 03/27/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>194</b>         |
|                                                                                                          | 06/19/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>209</b>         |
|                                                                                                          | 09/30/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>175</b>         |
|                                                                                                          | 12/16/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>153</b>         |
|                                                                                                          | 03/25/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>154</b>         |
|                                                                                                          | 06/17/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>155</b>         |
|                                                                                                          | 09/09/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>28</b>          |
|                                                                                                          | 12/18/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>162</b>         |
|                                                                                                          | 03/15/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>154</b>         |
|                                                                                                          | 06/29/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>152</b>         |
|                                                                                                          | 09/08/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>154</b>         |
|                                                                                                          | 12/06/16    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>173</b>         |
|                                                                                                          | 03/02/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>150</b>         |

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**Table 2**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
|                                                                                                          | 08/30/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>165</b>         |
|                                                                                                          | 02/22/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>171</b>         |
|                                                                                                          | 09/11/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>178</b>         |
|                                                                                                          | 02/19/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>174</b>         |
|                                                                                                          | 08/09/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>186</b>         |
|                                                                                                          | 02/20/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>186</b>         |
|                                                                                                          | 08/13/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>190</b>         |
| MW-3                                                                                                     | 10/22/08    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | <b>237</b>         |
|                                                                                                          | 12/10/08    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>207</b>         |
|                                                                                                          | 03/11/09    | <0.001            | 0.00052         | <0.001               | <0.003           | <0.003            | <b>229</b>         |
|                                                                                                          | 06/10/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>243</b>         |
|                                                                                                          | 09/15/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>243</b>         |
|                                                                                                          | 12/07/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>265</b>         |
|                                                                                                          | 03/10/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>282</b>         |
|                                                                                                          | 06/07/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>334</b>         |
|                                                                                                          | 09/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>359</b>         |
|                                                                                                          | 12/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>375</b>         |
|                                                                                                          | 03/10/11    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>364</b>         |
|                                                                                                          | 06/13/11    | <0.00014          | <0.0002         | <0.0003              | <0.00023         | <0.0003           | <b>370</b>         |
|                                                                                                          | 09/19/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>350</b>         |
|                                                                                                          | 12/13/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>370</b>         |
|                                                                                                          | 04/06/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>381</b>         |
|                                                                                                          | 06/19/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>371</b>         |
|                                                                                                          | 09/25/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>384</b>         |
|                                                                                                          | 12/14/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>332</b>         |
|                                                                                                          | 03/28/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>362</b>         |
|                                                                                                          | 06/06/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>326</b>         |

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**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-3 Cont.                                                                                               | 09/19/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>325</b>          |
|                                                                                                          | 12/27/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>250</b>          |
|                                                                                                          | 03/27/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>281</b>          |
|                                                                                                          | 06/19/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>324</b>          |
|                                                                                                          | 09/30/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>293</b>          |
|                                                                                                          | 12/16/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>256</b>          |
|                                                                                                          | 03/25/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>283</b>          |
|                                                                                                          | 06/17/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>270</b>          |
|                                                                                                          | 09/09/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>145</b>          |
|                                                                                                          | 12/18/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>221</b>          |
|                                                                                                          | 03/15/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>225</b>          |
|                                                                                                          | 06/29/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>208</b>          |
|                                                                                                          | 09/08/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>216</b>          |
|                                                                                                          | 12/06/16    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>263</b>          |
|                                                                                                          | 03/02/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>286</b>          |
|                                                                                                          | 08/30/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>278</b>          |
|                                                                                                          | 02/22/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>302</b>          |
|                                                                                                          | 09/12/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>293</b>          |
|                                                                                                          | 02/07/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>248</b>          |
|                                                                                                          | 08/09/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>251</b>          |
|                                                                                                          | 02/20/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>255</b>          |
|                                                                                                          | 08/13/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>244</b>          |
| MW-4                                                                                                     | 10/22/08    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | <b>556</b>          |
|                                                                                                          | 12/10/08    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>642</b>          |
|                                                                                                          | 03/11/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>573</b>          |
|                                                                                                          | 06/10/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>645</b>          |
|                                                                                                          | 09/15/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>689</b>          |

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**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-4 Cont.                                                                                               | 12/07/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 778                 |
|                                                                                                          | 03/10/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 543                 |
|                                                                                                          | 06/07/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 637                 |
|                                                                                                          | 09/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 578                 |
|                                                                                                          | 12/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 368                 |
|                                                                                                          | 03/10/11    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 289                 |
|                                                                                                          | 06/13/11    | <0.00014          | <0.0002         | <0.0003              | <0.00023         | <0.0003           | 320                 |
|                                                                                                          | 09/19/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | 570                 |
|                                                                                                          | 12/13/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | 510                 |
|                                                                                                          | 04/06/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 519                 |
|                                                                                                          | 06/19/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 555                 |
|                                                                                                          | 09/25/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 328                 |
|                                                                                                          | 12/14/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 424                 |
|                                                                                                          | 03/28/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 558                 |
|                                                                                                          | 06/06/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 573                 |
|                                                                                                          | 09/19/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 571                 |
|                                                                                                          | 12/27/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 403                 |
|                                                                                                          | 03/27/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 495                 |
|                                                                                                          | 06/19/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 537                 |
|                                                                                                          | 09/30/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 434                 |
|                                                                                                          | 12/16/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 488                 |
|                                                                                                          | 03/25/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 473                 |
|                                                                                                          | 06/17/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 412                 |
|                                                                                                          | 09/09/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 227                 |
|                                                                                                          | 12/18/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 253                 |
|                                                                                                          | 03/15/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 295                 |
|                                                                                                          | 06/29/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 229                 |

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**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-4 Cont.                                                                                               | 09/08/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>208</b>          |
|                                                                                                          | 12/06/16    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>304</b>          |
|                                                                                                          | 03/02/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>337</b>          |
|                                                                                                          | 08/30/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>479</b>          |
|                                                                                                          | 02/22/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>494</b>          |
|                                                                                                          | 09/12/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>644</b>          |
|                                                                                                          | 02/07/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>509</b>          |
|                                                                                                          | 08/09/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>400</b>          |
|                                                                                                          | 02/21/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>372</b>          |
|                                                                                                          | 08/13/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>234</b>          |
| MW-5                                                                                                     | 10/22/08    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | <b>1,040</b>        |
|                                                                                                          | 12/10/08    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,020</b>        |
|                                                                                                          | 03/11/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>879</b>          |
|                                                                                                          | 06/10/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>860</b>          |
|                                                                                                          | 09/15/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>925</b>          |
|                                                                                                          | 12/07/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>832</b>          |
|                                                                                                          | 03/10/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>711</b>          |
|                                                                                                          | 06/07/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>807</b>          |
|                                                                                                          | 09/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>819</b>          |
|                                                                                                          | 12/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>785</b>          |
|                                                                                                          | 03/10/11    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>504</b>          |
|                                                                                                          | 06/13/11    | <0.00014          | <0.0002         | <0.0003              | <0.00023         | <0.0003           | <b>400</b>          |
|                                                                                                          | 09/19/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>520</b>          |
|                                                                                                          | 12/13/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>730</b>          |
|                                                                                                          | 04/06/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>707</b>          |
|                                                                                                          | 06/19/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>842</b>          |
|                                                                                                          | 09/25/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>654</b>          |

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**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-5 Cont.                                                                                               | 12/14/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 334                |
|                                                                                                          | 03/28/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 320                |
|                                                                                                          | 06/06/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 289                |
|                                                                                                          | 09/19/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 329                |
|                                                                                                          | 12/27/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 396                |
|                                                                                                          | 03/27/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 403                |
|                                                                                                          | 06/19/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 472                |
|                                                                                                          | 09/30/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 449                |
|                                                                                                          | 12/16/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 665                |
|                                                                                                          | 03/25/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 787                |
|                                                                                                          | 06/17/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 567                |
|                                                                                                          | 09/09/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 594                |
|                                                                                                          | 12/18/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 554                |
|                                                                                                          | 03/15/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 597                |
|                                                                                                          | 06/29/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 569                |
|                                                                                                          | 09/08/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 591                |
| DUP                                                                                                      | 09/08/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 772                |
|                                                                                                          | 12/06/16    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 766                |
|                                                                                                          | 03/02/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 737                |
|                                                                                                          | 08/30/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 750                |
|                                                                                                          | 02/22/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 653                |
|                                                                                                          | 09/12/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 658                |
|                                                                                                          | 02/07/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 667                |
| DUP                                                                                                      | 02/07/19    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 892                |
|                                                                                                          | 08/09/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 716                |
|                                                                                                          | 02/21/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | 580                |
| DUP                                                                                                      | 02/21/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | 563                |

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**Table 2**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-5 Cont.                                                                                               | 08/13/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>708</b>         |
| DUP                                                                                                      | 08/13/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>723</b>         |
| MW-6                                                                                                     | 10/22/08    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | <b>87.8</b>        |
|                                                                                                          | 12/10/08    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>90.2</b>        |
|                                                                                                          | 03/11/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>92.7</b>        |
|                                                                                                          | 06/10/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>87.4</b>        |
|                                                                                                          | 09/15/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>89.6</b>        |
|                                                                                                          | 12/07/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>91.7</b>        |
|                                                                                                          | 03/10/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>83.7</b>        |
|                                                                                                          | 06/07/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>89.2</b>        |
|                                                                                                          | 09/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>87.6</b>        |
|                                                                                                          | 12/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>87.3</b>        |
|                                                                                                          | 03/10/11    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>85.7</b>        |
|                                                                                                          | 06/13/11    | <0.00014          | <0.0002         | <0.0003              | <0.00023         | <0.0003           | <b>94.0</b>        |
|                                                                                                          | 09/19/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>90</b>          |
|                                                                                                          | 12/13/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>88</b>          |
|                                                                                                          | 04/06/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>92.2</b>        |
|                                                                                                          | 06/19/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>90.5</b>        |
|                                                                                                          | 09/25/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>95.1</b>        |
|                                                                                                          | 12/14/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>85.1</b>        |
|                                                                                                          | 03/28/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>95.2</b>        |
|                                                                                                          | 06/06/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>99.1</b>        |
|                                                                                                          | 09/19/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>110</b>         |
|                                                                                                          | 12/27/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>91.4</b>        |
|                                                                                                          | 03/27/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>103</b>         |
|                                                                                                          | 06/19/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>115</b>         |
|                                                                                                          | 09/30/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>102</b>         |

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**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-6 Cont.                                                                                               | 12/16/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 97.9               |
|                                                                                                          | 03/25/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 96.2               |
|                                                                                                          | 06/17/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 99.0               |
|                                                                                                          | 09/09/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 96.6               |
|                                                                                                          | 12/18/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 106                |
|                                                                                                          | 03/15/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 99.9               |
|                                                                                                          | 06/29/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 95.4               |
|                                                                                                          | 09/08/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 94.2               |
|                                                                                                          | 12/06/16    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 100                |
|                                                                                                          | 03/02/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 97.5               |
|                                                                                                          | 08/30/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 94.2               |
|                                                                                                          | 02/22/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 100                |
|                                                                                                          | 09/11/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 104                |
|                                                                                                          | 02/07/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 95                 |
|                                                                                                          | 08/09/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | 100                |
|                                                                                                          | 02/21/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | 98.1               |
|                                                                                                          | 08/13/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | 105                |
| MW-7                                                                                                     | 09/22/06    | <0.001            | <0.001          | <0.001               | 0.0019           | 0.0019            | <2.00              |
|                                                                                                          | 05/16/07    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | 1,220              |
|                                                                                                          | 10/22/08    | <0.001            | <0.001          | <0.001               | <0.001           | <0.001            | 1,060              |
|                                                                                                          | 12/10/08    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | 1,050              |
|                                                                                                          | 03/11/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 1,360              |
|                                                                                                          | 06/10/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 1,030              |
|                                                                                                          | 09/15/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 762                |
|                                                                                                          | 12/07/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 532                |
| DUP                                                                                                      | 12/07/09    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 523                |
|                                                                                                          | 03/10/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | 721                |

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**Table 2**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| DUP                                                                                                      | 03/10/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>958</b>         |
|                                                                                                          | 06/07/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>1,200</b>       |
| DUP                                                                                                      | 06/07/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>1,170</b>       |
|                                                                                                          | 09/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>1,310</b>       |
| DUP                                                                                                      | 09/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>1,310</b>       |
|                                                                                                          | 12/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>1,220</b>       |
| DUP                                                                                                      | 12/13/10    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>1,220</b>       |
|                                                                                                          | 03/10/11    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>1,630</b>       |
| DUP                                                                                                      | 03/10/11    | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>1,650</b>       |
|                                                                                                          | 06/13/11    | <0.00014          | <0.0002         | <0.0003              | <0.00023         | <0.0003           | <b>1,600</b>       |
| DUP                                                                                                      | 06/13/11    | <0.00014          | <0.0002         | <0.0003              | <0.00023         | <0.0003           | <b>1,600</b>       |
|                                                                                                          | 09/19/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>1,900</b>       |
|                                                                                                          | 12/13/11    | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>1,200</b>       |
|                                                                                                          | 02/21/12    | -                 | -               | -                    | -                | -                 | <b>1,010</b>       |
|                                                                                                          | 04/06/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>806</b>         |
|                                                                                                          | 06/19/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,220</b>       |
|                                                                                                          | 09/25/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>904</b>         |
|                                                                                                          | 12/14/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,160</b>       |
|                                                                                                          | 03/28/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,030</b>       |
|                                                                                                          | 06/06/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>786</b>         |
|                                                                                                          | 09/19/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,320</b>       |
|                                                                                                          | 12/27/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>909</b>         |
|                                                                                                          | 03/27/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>717</b>         |
|                                                                                                          | 12/27/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>909</b>         |
|                                                                                                          | 03/27/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>717</b>         |
|                                                                                                          | 06/19/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,220</b>       |
| DUP                                                                                                      | 06/19/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,100</b>       |

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**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| MW-7 Cont.                                                                                               | 09/30/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,260</b>        |
|                                                                                                          | 12/16/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,650</b>        |
|                                                                                                          | 03/25/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,610</b>        |
|                                                                                                          | 06/17/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,820</b>        |
|                                                                                                          | 09/09/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,380</b>        |
|                                                                                                          | 12/18/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>1,110</b>        |
|                                                                                                          | 03/15/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>984</b>          |
| DUP                                                                                                      | 03/15/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>917</b>          |
|                                                                                                          | 06/29/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>768</b>          |
| DUP                                                                                                      | 06/29/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>811</b>          |
|                                                                                                          | 09/08/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>874</b>          |
|                                                                                                          | 12/06/16    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>1,030</b>        |
|                                                                                                          | 03/02/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>1,250</b>        |
|                                                                                                          | 08/30/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>701</b>          |
| DUP                                                                                                      | 08/30/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>683</b>          |
|                                                                                                          | 02/22/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>772</b>          |
| DUP                                                                                                      | 02/22/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>781</b>          |
|                                                                                                          | 09/12/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>781</b>          |
| DUP                                                                                                      | 09/12/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>795</b>          |
|                                                                                                          | 02/07/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>917</b>          |
|                                                                                                          | 08/09/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>767</b>          |
|                                                                                                          | 02/21/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>536</b>          |
|                                                                                                          | 08/13/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>1,040</b>        |
| MW-8                                                                                                     | 11/16/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>252</b>          |
|                                                                                                          | 12/14/12    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>245</b>          |
|                                                                                                          | 03/28/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>246</b>          |
|                                                                                                          | 06/06/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>155</b>          |

112MC06820  
212C-MD-02107



**Table 2**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID                                                                                                | Sample Date | 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> |
| DUP                                                                                                      | 09/19/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>120</b>         |
|                                                                                                          | 12/27/13    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>115</b>         |
|                                                                                                          | 03/27/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>127</b>         |
|                                                                                                          | 06/19/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>136</b>         |
|                                                                                                          | 09/30/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>132</b>         |
|                                                                                                          | 12/16/14    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>125</b>         |
|                                                                                                          | 03/25/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>120</b>         |
|                                                                                                          | 06/17/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>128</b>         |
|                                                                                                          | 09/09/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>119</b>         |
|                                                                                                          | 12/18/15    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>124</b>         |
|                                                                                                          | 03/15/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>125</b>         |
|                                                                                                          | 06/29/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>123</b>         |
|                                                                                                          | 09/08/16    | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>121</b>         |
|                                                                                                          | 12/06/16    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>127</b>         |
|                                                                                                          | 03/02/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>110</b>         |
|                                                                                                          | 03/02/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>110</b>         |
|                                                                                                          | 08/30/17    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>104</b>         |
|                                                                                                          | 02/22/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>113</b>         |
|                                                                                                          | 09/12/18    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>122</b>         |
|                                                                                                          | 02/07/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>117</b>         |
|                                                                                                          | 08/09/19    | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>122</b>         |
|                                                                                                          | 02/21/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>115</b>         |
|                                                                                                          | 08/13/20    | <0.006            | <0.005          | <0.005               | <0.005           | <0.006            | <b>111</b>         |

( - ) Not Analyzed

NM - Not measured

112MC06820  
212C-MD-02107

**Table 3**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of MW-7 Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID     | Date Sampled | Chloride (mg/l) |
|---------------|--------------|-----------------|
| MW-7 Sample 1 | 10/28/2015   | 1,340           |
| MW-7 Sample 2 | 10/28/2015   | 1,010           |
| MW-7 Sample 3 | 10/28/2015   | 852             |
| MW-7 Sample 4 | 10/28/2015   | 856             |
| MW-7 Sample 5 | 10/28/2015   | 813             |
| MW-7 Sample 6 | 10/28/2015   | 1,000           |
| MW-7 Sample 1 | 4/21/2016    | 925             |
| MW-7 Sample 2 | 4/21/2016    | 923             |
| MW-7 Sample 3 | 4/21/2016    | 830             |
| MW-7 Sample 4 | 4/21/2016    | 783             |
| MW-7 Sample 5 | 4/21/2016    | 743             |
| MW-7 Sample 6 | 4/21/2016    | 756             |
| Initial #1    | 6/16/2016    | 954             |
| 100 gal #2    | 6/16/2016    | 777             |
| 200 gal #3    | 6/16/2016    | 693             |
| 300 gal #4    | 6/16/2016    | 605             |
| 400 gal #5    | 6/16/2016    | 677             |
| 500 gal #6    | 6/16/2016    | 629             |
| MW-7 Sample 1 | 8/18/2016    | 881             |
| MW-7 Sample 2 | 8/18/2016    | 843             |
| MW-7 Sample 3 | 8/18/2016    | 792             |
| MW-7 Sample 4 | 8/18/2016    | 755             |
| MW-7 Sample 5 | 8/18/2016    | 706             |
| MW-7 Sample 6 | 8/18/2016    | 678             |

**Table 3**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of MW-7 Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID     | Date Sampled | Chloride (mg/l) |
|---------------|--------------|-----------------|
| MW-7 Sample 1 | 9/30/2016    | 933             |
| MW-7 Sample 2 | 9/30/2016    | 864             |
| MW-7 Sample 3 | 9/30/2016    | 798             |
| MW-7 Sample 4 | 9/30/2016    | 733             |
| MW-7 Sample 5 | 9/30/2016    | 711             |
| MW-7 Sample 6 | 9/30/2016    | 706             |
| DUP           | 9/30/2016    | 688             |
| MW-7 Initial  | 10/28/2016   | 924             |
| MW-7 #1       | 10/28/2016   | 843             |
| MW-7 #2       | 10/28/2016   | 729             |
| MW-7 #3       | 10/28/2016   | 656             |
| MW-7 #4       | 10/28/2016   | 668             |
| MW-7 #5       | 10/28/2016   | 636             |
| MW-7 Initial  | 11/17/2016   | 907             |
| MW-7 #1       | 11/17/2016   | 767             |
| MW-7 #2       | 11/17/2016   | 700             |
| MW-7 #3       | 11/17/2016   | 668             |
| MW-7 #4       | 11/17/2016   | 641             |
| MW-7 #5       | 11/17/2016   | 607             |
| MW-7 Initial  | 12/22/2016   | 1,010           |
| MW-7 #1       | 12/22/2016   | 826             |
| MW-7 #2       | 12/22/2016   | 823             |
| MW-7 #3       | 12/22/2016   | 676             |
| MW-7 #4       | 12/22/2016   | 664             |
| MW-7 #5       | 12/22/2016   | 675             |

**Table 3**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of MW-7 Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID            | Date Sampled | Chloride (mg/l) |
|----------------------|--------------|-----------------|
| MW-7 -1              | 6/7/2017     | 1,040           |
| MW-7 -2              | 6/7/2017     | 890             |
| MW-7 -3              | 6/7/2017     | 876             |
| MW-7 -4              | 6/7/2017     | 880             |
| MW-7 -5              | 6/7/2017     | 800             |
| MW-7 -6              | 6/7/2017     | 771             |
| MW-7 -DUP            | 6/7/2017     | 868             |
| MW-7-1 Intial sample | 11/21/2017   | 599             |
| MW-7-2 100gal        | 11/21/2017   | 842             |
| MW-7-3 200gal        | 11/21/2017   | 886             |
| MW-7-4 300gal        | 11/21/2017   | 924             |
| MW-7-5 400gal        | 11/21/2017   | 924             |
| MW-7 Sample 1        | 6/7/2018     | 672             |
| MW-7 Sample 2        | 6/7/2018     | 824             |
| MW-7 Sample 3        | 6/7/2018     | 784             |
| MW-7 Sample 4        | 6/7/2018     | 823             |
| MW-7 Sample 5        | 6/7/2018     | 769             |
| MW-7 -1              | 9/10/2018    | 773             |
| MW-7 -2              | 9/10/2018    | 812             |
| MW-7 -3              | 9/10/2018    | 800             |
| MW-7 -4              | 9/10/2018    | 789             |
| MW-7 -5              | 9/10/2018    | 785             |
| MW-7 -6              | 9/10/2018    | 773             |

**Table 3**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of MW-7 Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID          | Date Sampled | Chloride (mg/l) |
|--------------------|--------------|-----------------|
| MW-7 -1            | 11/29/2018   | 637             |
| MW-7 -2            | 11/29/2018   | 728             |
| MW-7 -3            | 11/29/2018   | 772             |
| MW-7 -4            | 11/29/2018   | 770             |
| MW-7 -5            | 11/29/2018   | 750             |
| MW-7-6             | 11/29/2018   | 765             |
| Dup                | 11/29/2018   | 760             |
| MW-7-1 Intial      | 2/6/2019     | 724             |
| MW-7-2 100 gallons | 2/6/2019     | 757             |
| MW-7-3 200 gallons | 2/6/2019     | 816             |
| MW-7-4 300 gallons | 2/6/2019     | 864             |
| MW-7-5 400 gallons | 2/6/2019     | 869             |
| MW-7-6 500 gallons | 2/6/2019     | 857             |
| DUP                | 2/6/2019     | 679             |
| MW-7-1             | 6/21/2019    | 724             |
| MW-7-2             | 6/21/2019    | 757             |
| MW-7-3             | 6/21/2019    | 816             |
| MW-7-4             | 6/21/2019    | 864             |
| MW-7-5             | 6/21/2019    | 869             |
| MW-7-6             | 6/21/2019    | 857             |
| DUP                | 6/21/2019    | 679             |
| MW-7-1             | 9/3/2019     | 793             |
| MW-7-2             | 9/3/2019     | 777             |
| MW-7-3             | 9/3/2019     | 812             |
| MW-7-4             | 9/3/2019     | 836             |
| MW-7-5             | 9/3/2019     | 826             |
| MW-7-6             | 9/3/2019     | 854             |
| DUP                | 9/3/2019     | 850             |

212C-MD-02107

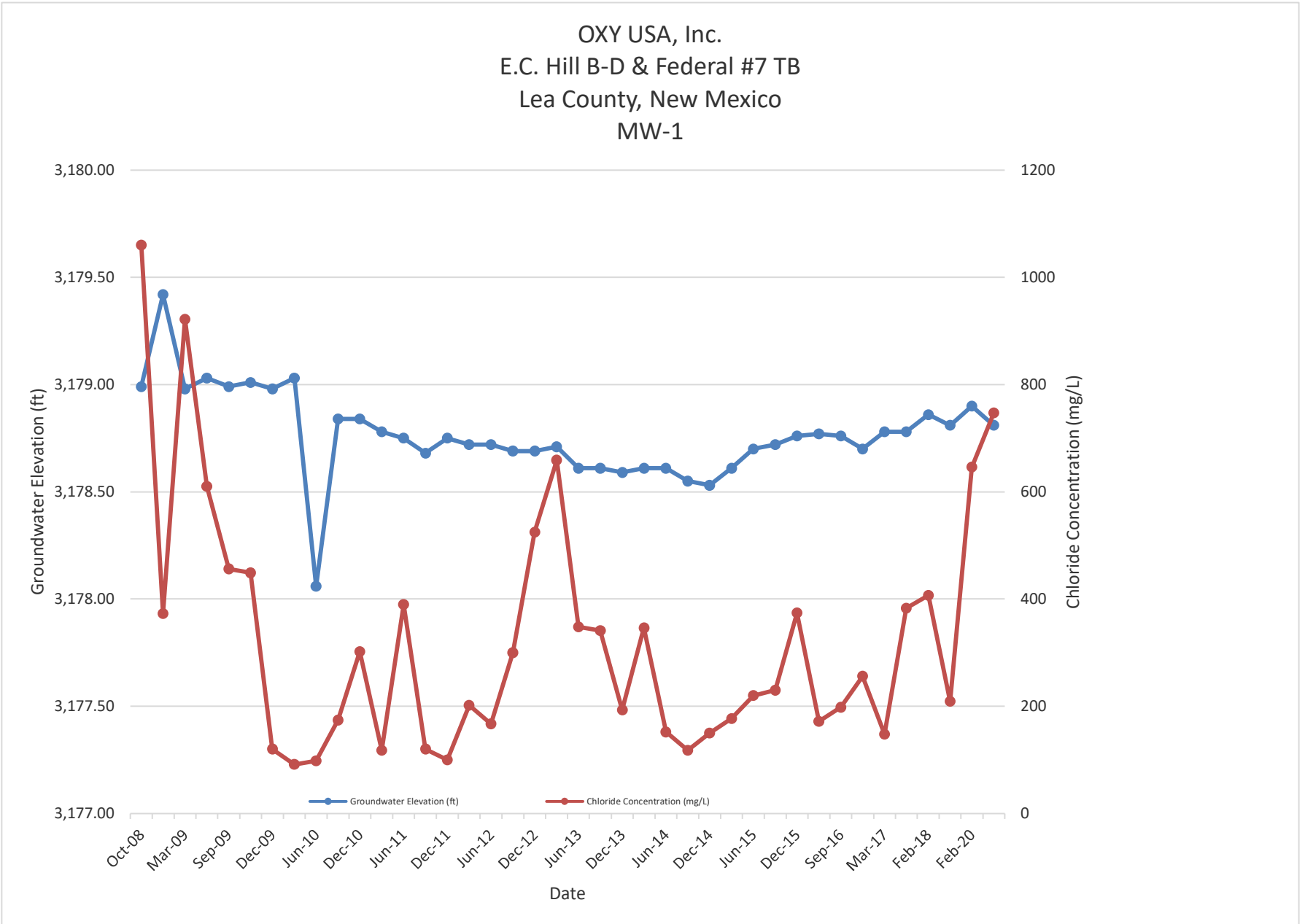
**Table 3**  
**OXY USA, Inc.**  
**E.C. Hill B-D & Federal #7 TB**  
**Summary of Analysis of MW-7 Groundwater Samples**  
**Lea County, New Mexico**

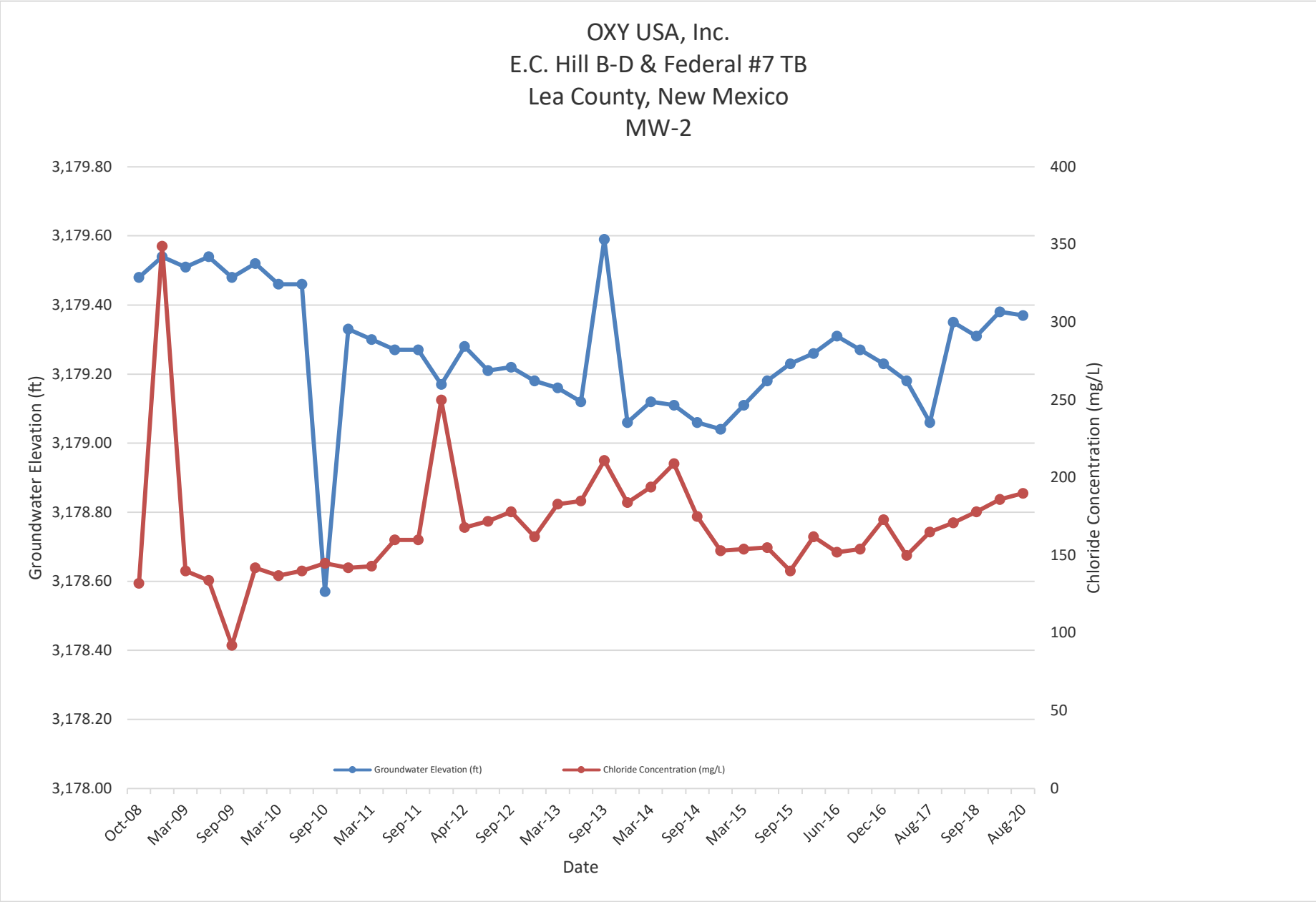
| Sample ID | Date Sampled | Chloride (mg/l) |
|-----------|--------------|-----------------|
| MW-7-1    | 2/27/2020    | 26.1            |
| MW-7-2    | 2/27/2020    | 522             |
| MW-7-3    | 2/27/2020    | 559             |
| MW-7-4    | 2/27/2020    | 619             |
| MW-7-5    | 2/27/2020    | 685             |
| MW-7-6    | 2/27/2020    | 598             |
| DUP       | 2/27/2020    | 591             |
| MW-7-1    | 5/7/2020     | 683             |
| MW-7-2    | 5/7/2020     | 750             |
| MW-7-3    | 5/7/2020     | 817             |
| MW-7-4    | 5/7/2020     | 885             |
| MW-7-5    | 5/7/2020     | 955             |
| MW-7-6    | 5/7/2020     | 973             |
| DUP       | 5/7/2020     | 973             |
| MW-7-1    | 8/17/2020    | 836             |
| MW-7-2    | 8/17/2020    | 813             |
| MW-7-3    | 8/17/2020    | 854             |
| MW-7-4    | 8/17/2020    | 918             |
| MW-7-5    | 8/17/2020    | 943             |
| MW-7-6    | 8/17/2020    | 970             |
| DUP       | 8/17/2020    | 949             |
| MW-7-1    | 11/17/2020   | 1,180           |
| MW-7-2    | 11/17/2020   | 1,070           |
| MW-7-3    | 11/17/2020   | 1,020           |
| MW-7-4    | 11/17/2020   | 1,000           |
| MW-7-5    | 11/17/2020   | 895             |
| MW-7-6    | 11/17/2020   | 746             |

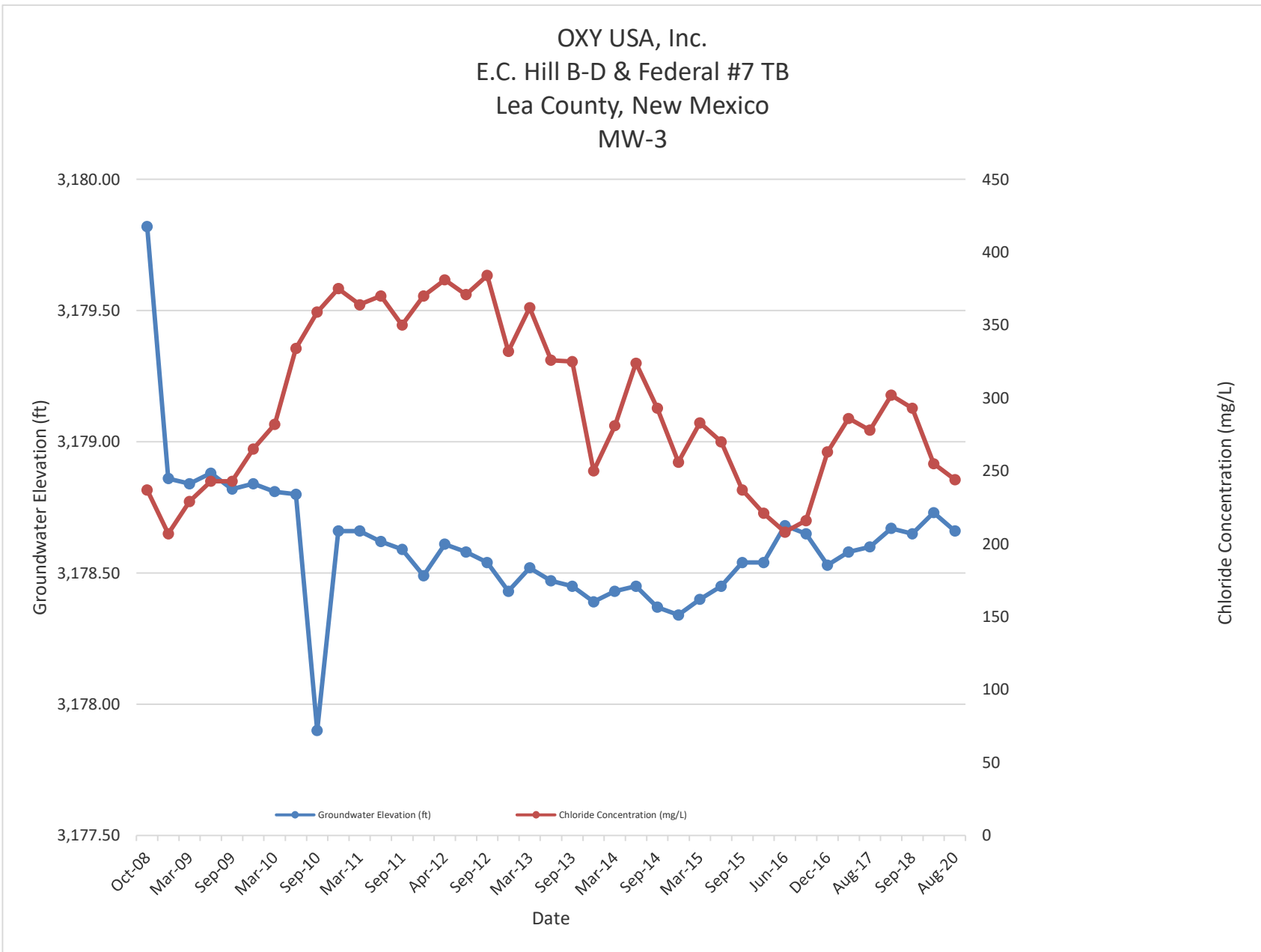
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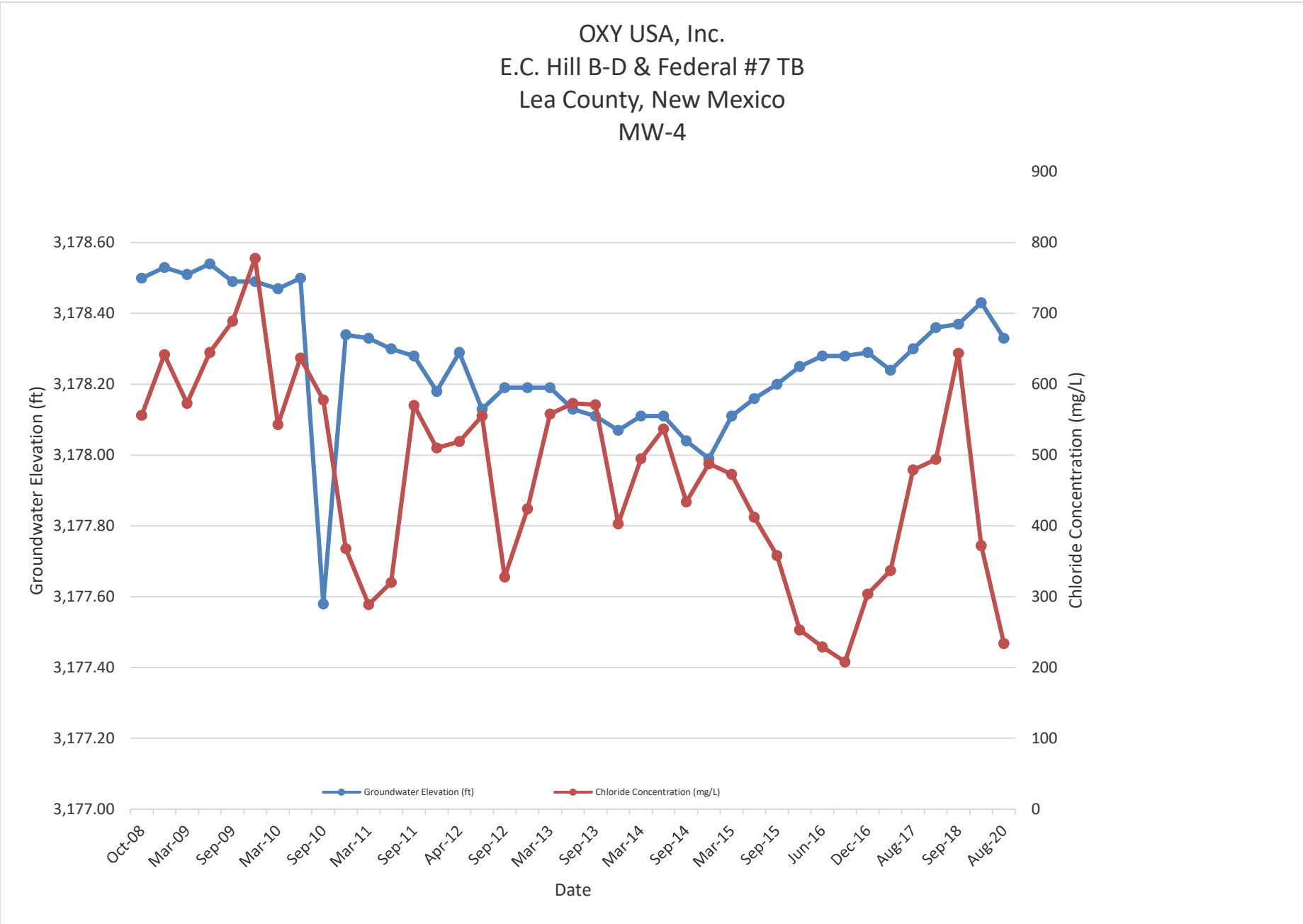
## ***Appendix A - Graphs***

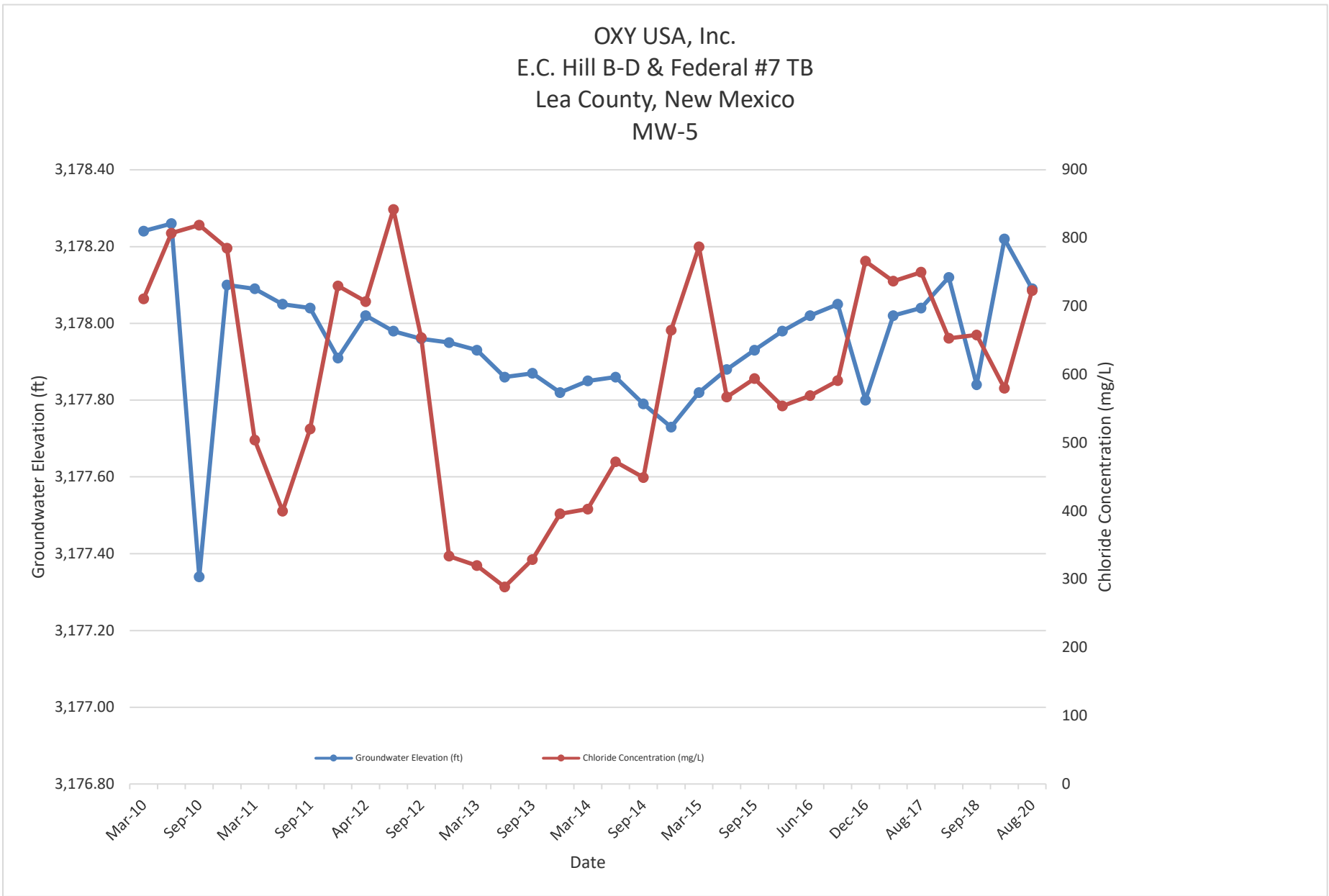
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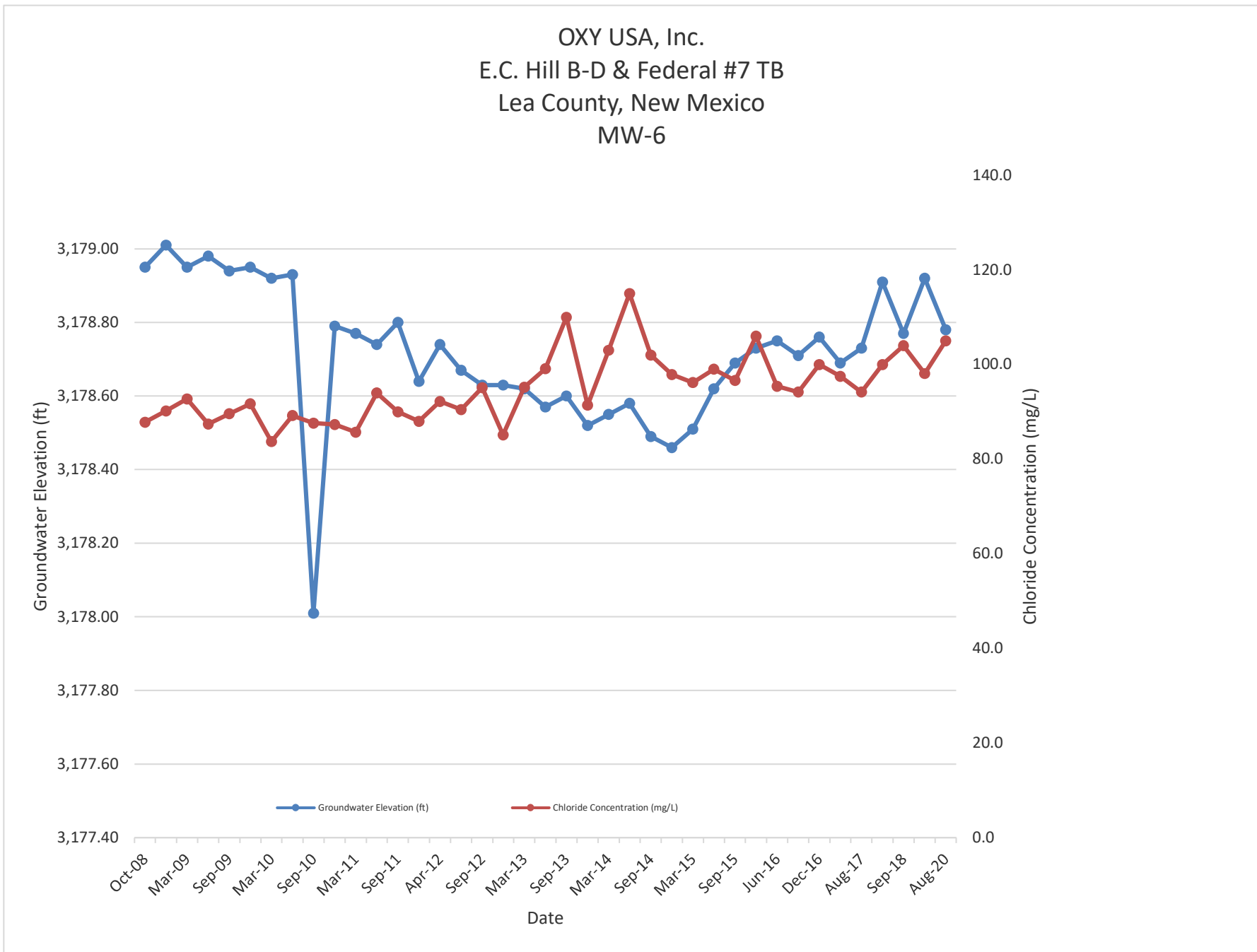


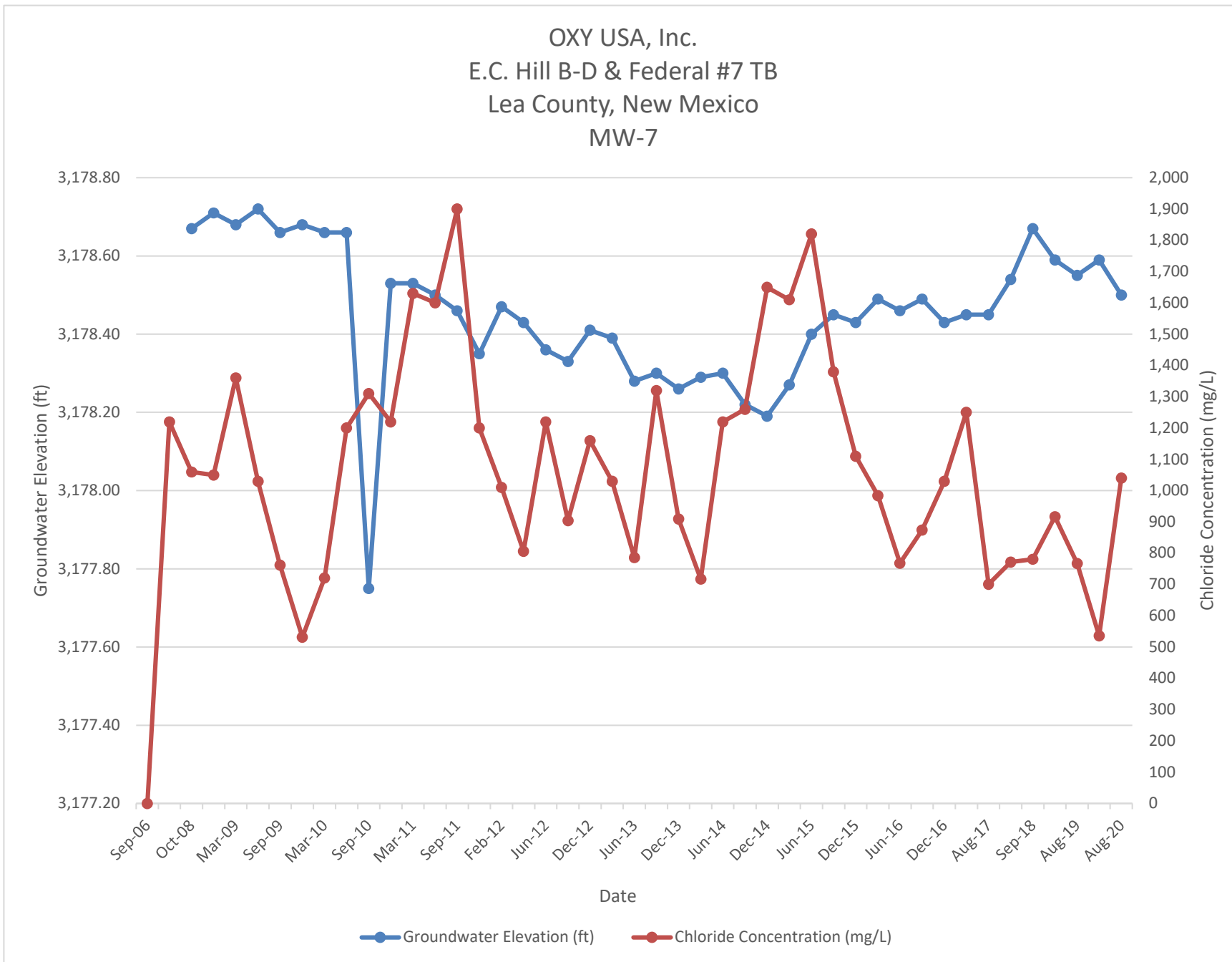




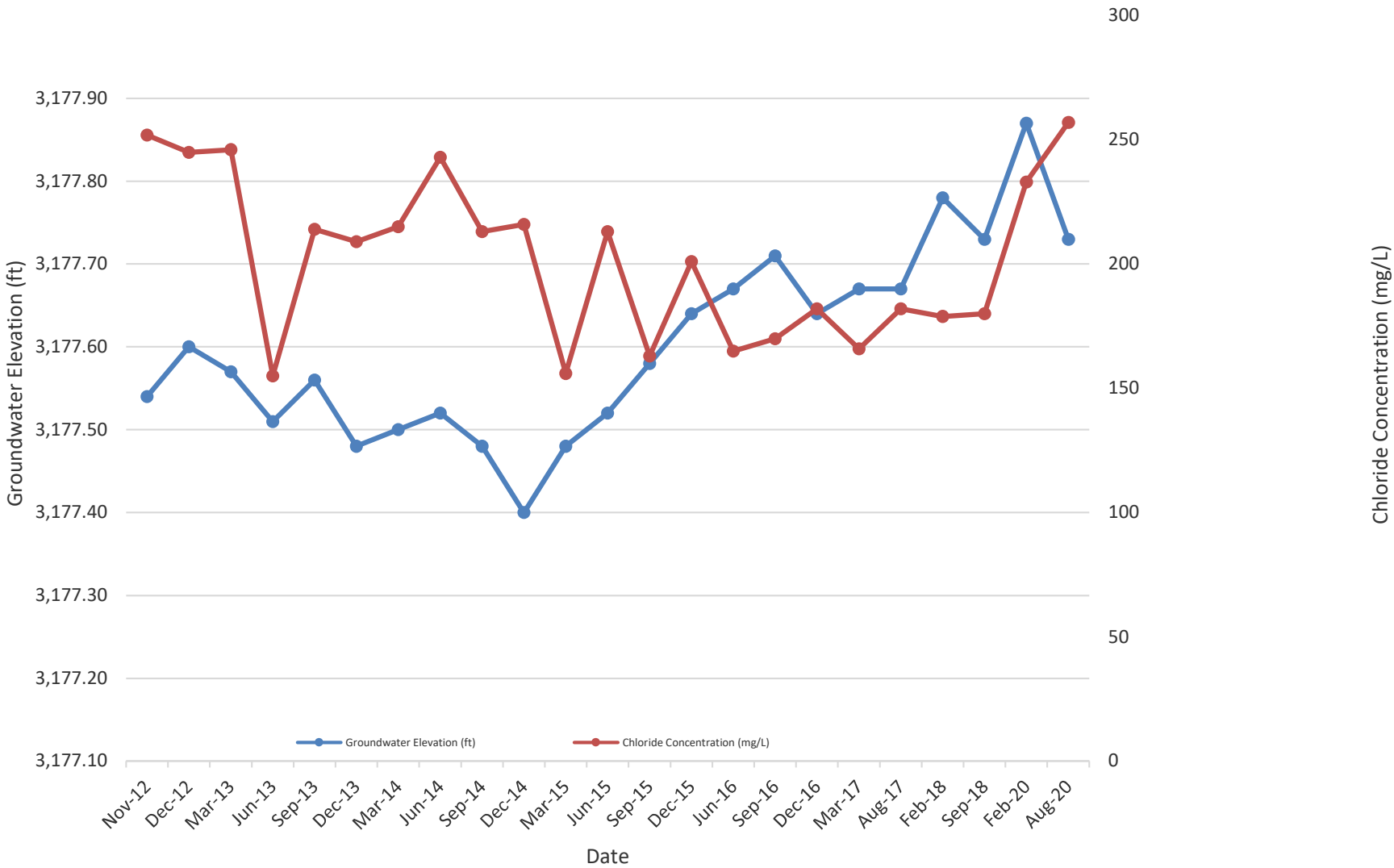


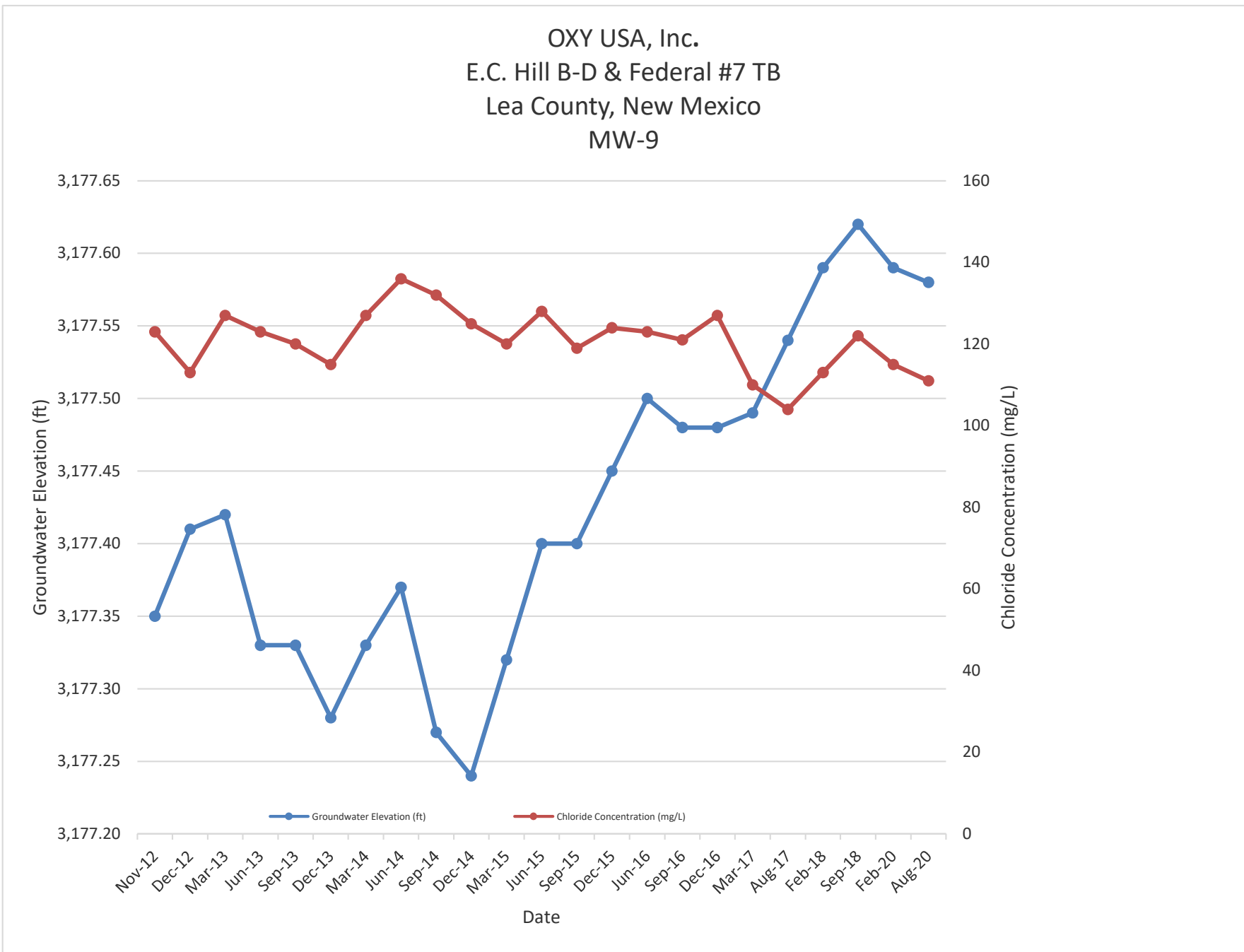






OXY USA, Inc.  
E.C. Hill B-D & Federal #7 TB  
Lea County, New Mexico  
MW-8





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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

March 04, 2020

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

Work Order: **HS20021081**

Laboratory Results for: **55627DM GSHI PXP Hill E.C. Federal #7 TB**

Dear Mike,

ALS Environmental received 11 sample(s) on Feb 25, 2020 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,

Generated By: JUMOKE.LAWAL

Dane J. Wacasey

## ALS Houston, US

Date: 04-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20021081

## SAMPLE SUMMARY

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo             | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|-------------|-------------------|-------------------|-------------------|--------------------------|
| HS20021081-01 | MW-1             | Groundwater |                   | 20-Feb-2020 12:55 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-02 | MW-2             | Groundwater |                   | 20-Feb-2020 13:20 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-03 | MW-3             | Groundwater |                   | 20-Feb-2020 14:00 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-04 | MW-4             | Groundwater |                   | 21-Feb-2020 13:00 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-05 | MW-5             | Groundwater |                   | 21-Feb-2020 11:15 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-06 | MW-6             | Groundwater |                   | 21-Feb-2020 12:20 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-07 | MW-7             | Groundwater |                   | 21-Feb-2020 13:35 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-08 | MW-8             | Groundwater |                   | 21-Feb-2020 11:45 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-09 | MW-9             | Groundwater |                   | 21-Feb-2020 10:50 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-10 | DUP              | Groundwater |                   | 21-Feb-2020 00:00 | 25-Feb-2020 08:37 | <input type="checkbox"/> |
| HS20021081-11 | Trip Blank       | Water       | CG-011520<br>-371 | 21-Feb-2020 00:00 | 25-Feb-2020 08:37 | <input type="checkbox"/> |

**ALS Houston, US**

Date: 04-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20021081

**CASE NARRATIVE**

---

**GCMS Volatiles by Method SW8260**

**Batch ID: R357097**

- 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: R357493**

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-1  
 Collection Date: 20-Feb-2020 12:55

**ANALYTICAL REPORT**

WorkOrder:HS20021081  
 Lab ID:HS20021081-01  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 15:37 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 15:37 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 15:37 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 15:37 |
| Surr: 1,2-Dichloroethane-d4 | 99.9   |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 15:37 |
| Surr: 4-Bromofluorobenzene  | 91.8   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 15:37 |
| Surr: Dibromofluoromethane  | 102    |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 15:37 |
| Surr: Toluene-d8            | 104    |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 15:37 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 646    |                      | 4.00 | 10.0            | mg/L  | 20                 | 03-Mar-2020 11:35 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-2  
 Collection Date: 20-Feb-2020 13:20

## ANALYTICAL REPORT

WorkOrder:HS20021081  
 Lab ID:HS20021081-02  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 18:28 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 18:28 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 18:28 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 18:28 |
| Surr: 1,2-Dichloroethane-d4 | 102    |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 18:28 |
| Surr: 4-Bromofluorobenzene  | 84.3   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 18:28 |
| Surr: Dibromofluoromethane  | 102    |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 18:28 |
| Surr: Toluene-d8            | 103    |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 18:28 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 186    |                      | 4.00 | 10.0            | mg/L  | 20                 | 03-Mar-2020 11:53 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-3  
 Collection Date: 20-Feb-2020 14:00

**ANALYTICAL REPORT**

WorkOrder:HS20021081  
 Lab ID:HS20021081-03  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 18:52 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 18:52 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 18:52 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 18:52 |
| Surr: 1,2-Dichloroethane-d4 | 99.5   |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 18:52 |
| Surr: 4-Bromofluorobenzene  | 96.8   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 18:52 |
| Surr: Dibromofluoromethane  | 91.5   |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 18:52 |
| Surr: Toluene-d8            | 101    |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 18:52 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 255    |                      | 4.00 | 10.0            | mg/L  | 20                 | 03-Mar-2020 14:54 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-4  
 Collection Date: 21-Feb-2020 13:00

## ANALYTICAL REPORT

WorkOrder:HS20021081  
 Lab ID:HS20021081-04  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 19:16 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 19:16 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 19:16 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 19:16 |
| Surr: 1,2-Dichloroethane-d4 | 105    |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 19:16 |
| Surr: 4-Bromofluorobenzene  | 97.0   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 19:16 |
| Surr: Dibromofluoromethane  | 101    |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 19:16 |
| Surr: Toluene-d8            | 100    |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 19:16 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 372    |                      | 4.00 | 10.0            | mg/L  | 20                 | 03-Mar-2020 12:11 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-5  
 Collection Date: 21-Feb-2020 11:15

**ANALYTICAL REPORT**

WorkOrder:HS20021081  
 Lab ID:HS20021081-05  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 19:40 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 19:40 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 19:40 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 19:40 |
| Surr: 1,2-Dichloroethane-d4 | 107    |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 19:40 |
| Surr: 4-Bromofluorobenzene  | 96.0   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 19:40 |
| Surr: Dibromofluoromethane  | 103    |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 19:40 |
| Surr: Toluene-d8            | 100    |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 19:40 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 580    |                      | 2.00 | 5.00            | mg/L  | 10                 | 03-Mar-2020 12:29 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-6  
 Collection Date: 21-Feb-2020 12:20

**ANALYTICAL REPORT**

WorkOrder:HS20021081  
 Lab ID:HS20021081-06  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:05 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:05 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:05 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:05 |
| Surr: 1,2-Dichloroethane-d4 | 106    |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 20:05 |
| Surr: 4-Bromofluorobenzene  | 97.2   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 20:05 |
| Surr: Dibromofluoromethane  | 103    |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 20:05 |
| Surr: Toluene-d8            | 100    |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 20:05 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 98.1   |                      | 2.00 | 5.00            | mg/L  | 10                 | 03-Mar-2020 12:47 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-7  
 Collection Date: 21-Feb-2020 13:35

## ANALYTICAL REPORT

WorkOrder:HS20021081  
 Lab ID:HS20021081-07  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:29 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:29 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:29 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:29 |
| Surr: 1,2-Dichloroethane-d4 | 106    |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 20:29 |
| Surr: 4-Bromofluorobenzene  | 96.3   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 20:29 |
| Surr: Dibromofluoromethane  | 103    |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 20:29 |
| Surr: Toluene-d8            | 99.1   |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 20:29 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 536    |                      | 2.00 | 5.00            | mg/L  | 10                 | 03-Mar-2020 13:05 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-8  
 Collection Date: 21-Feb-2020 11:45

**ANALYTICAL REPORT**

WorkOrder:HS20021081  
 Lab ID:HS20021081-08  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:53 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:53 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:53 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 20:53 |
| Surr: 1,2-Dichloroethane-d4 | 101    |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 20:53 |
| Surr: 4-Bromofluorobenzene  | 95.4   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 20:53 |
| Surr: Dibromofluoromethane  | 101    |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 20:53 |
| Surr: Toluene-d8            | 99.8   |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 20:53 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 233    |                      | 2.00 | 5.00            | mg/L  | 10                 | 03-Mar-2020 13:23 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-9  
 Collection Date: 21-Feb-2020 10:50

**ANALYTICAL REPORT**

WorkOrder:HS20021081  
 Lab ID:HS20021081-09  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 21:18 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 21:18 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 21:18 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 21:18 |
| Surr: 1,2-Dichloroethane-d4 | 102    |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 21:18 |
| Surr: 4-Bromofluorobenzene  | 98.2   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 21:18 |
| Surr: Dibromofluoromethane  | 99.7   |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 21:18 |
| Surr: Toluene-d8            | 101    |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 21:18 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 115    |                      | 2.00 | 5.00            | mg/L  | 10                 | 03-Mar-2020 14:17 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: DUP  
 Collection Date: 21-Feb-2020 00:00

## ANALYTICAL REPORT

WorkOrder:HS20021081  
 Lab ID:HS20021081-10  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 21:42 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 21:42 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 21:42 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 21:42 |
| Surr: 1,2-Dichloroethane-d4 | 103    |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 21:42 |
| Surr: 4-Bromofluorobenzene  | 96.4   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 21:42 |
| Surr: Dibromofluoromethane  | 102    |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 21:42 |
| Surr: Toluene-d8            | 100    |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 21:42 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: KVL       |                   |
| Chloride                    | 563    |                      | 2.00 | 5.00            | mg/L  | 10                 | 03-Mar-2020 14:36 |

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

## ALS Houston, US

Date: 04-Mar-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: Trip Blank  
 Collection Date: 21-Feb-2020 00:00

## ANALYTICAL REPORT

WorkOrder:HS20021081  
 Lab ID:HS20021081-11  
 Matrix:Water

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       |                    | Analyst: PC       |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 26-Feb-2020 17:15 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 17:15 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 17:15 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 26-Feb-2020 17:15 |
| Surr: 1,2-Dichloroethane-d4 | 104    |                      |      | 70-126          | %REC  | 1                  | 26-Feb-2020 17:15 |
| Surr: 4-Bromofluorobenzene  | 97.8   |                      |      | 82-124          | %REC  | 1                  | 26-Feb-2020 17:15 |
| Surr: Dibromofluoromethane  | 102    |                      |      | 77-123          | %REC  | 1                  | 26-Feb-2020 17:15 |
| Surr: Toluene-d8            | 101    |                      |      | 82-127          | %REC  | 1                  | 26-Feb-2020 17:15 |

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

ALS Houston, US

Date: 04-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20021081

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                        | Leachate Date | Prep Date | Analysis Date              | DF |
|--------------------------------|----------------|----------------------------------------|---------------|-----------|----------------------------|----|
| <b>Batch ID:</b> R357097 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |               |           | <b>Matrix:</b> Water       |    |
| HS20021081-11                  | Trip Blank     | 21 Feb 2020 00:00                      |               |           | 26 Feb 2020 17:15          | 1  |
| <b>Batch ID:</b> R357097 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |               |           | <b>Matrix:</b> Groundwater |    |
| HS20021081-01                  | MW-1           | 20 Feb 2020 12:55                      |               |           | 26 Feb 2020 15:37          | 1  |
| HS20021081-02                  | MW-2           | 20 Feb 2020 13:20                      |               |           | 26 Feb 2020 18:28          | 1  |
| HS20021081-03                  | MW-3           | 20 Feb 2020 14:00                      |               |           | 26 Feb 2020 18:52          | 1  |
| HS20021081-04                  | MW-4           | 21 Feb 2020 13:00                      |               |           | 26 Feb 2020 19:16          | 1  |
| HS20021081-05                  | MW-5           | 21 Feb 2020 11:15                      |               |           | 26 Feb 2020 19:40          | 1  |
| HS20021081-06                  | MW-6           | 21 Feb 2020 12:20                      |               |           | 26 Feb 2020 20:05          | 1  |
| HS20021081-07                  | MW-7           | 21 Feb 2020 13:35                      |               |           | 26 Feb 2020 20:29          | 1  |
| HS20021081-08                  | MW-8           | 21 Feb 2020 11:45                      |               |           | 26 Feb 2020 20:53          | 1  |
| HS20021081-09                  | MW-9           | 21 Feb 2020 10:50                      |               |           | 26 Feb 2020 21:18          | 1  |
| HS20021081-10                  | DUP            | 21 Feb 2020 00:00                      |               |           | 26 Feb 2020 21:42          | 1  |
| <b>Batch ID:</b> R357493 ( 0 ) |                | <b>Test Name :</b> ANIONS BY E300.0    |               |           | <b>Matrix:</b> Groundwater |    |
| HS20021081-01                  | MW-1           | 20 Feb 2020 12:55                      |               |           | 03 Mar 2020 11:35          | 20 |
| HS20021081-02                  | MW-2           | 20 Feb 2020 13:20                      |               |           | 03 Mar 2020 11:53          | 20 |
| HS20021081-03                  | MW-3           | 20 Feb 2020 14:00                      |               |           | 03 Mar 2020 14:54          | 20 |
| HS20021081-04                  | MW-4           | 21 Feb 2020 13:00                      |               |           | 03 Mar 2020 12:11          | 20 |
| HS20021081-05                  | MW-5           | 21 Feb 2020 11:15                      |               |           | 03 Mar 2020 12:29          | 10 |
| HS20021081-06                  | MW-6           | 21 Feb 2020 12:20                      |               |           | 03 Mar 2020 12:47          | 10 |
| HS20021081-07                  | MW-7           | 21 Feb 2020 13:35                      |               |           | 03 Mar 2020 13:05          | 10 |
| HS20021081-08                  | MW-8           | 21 Feb 2020 11:45                      |               |           | 03 Mar 2020 13:23          | 10 |
| HS20021081-09                  | MW-9           | 21 Feb 2020 10:50                      |               |           | 03 Mar 2020 14:17          | 10 |
| HS20021081-10                  | DUP            | 21 Feb 2020 00:00                      |               |           | 03 Mar 2020 14:36          | 10 |

## ALS Houston, US

Date: 04-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20021081

## QC BATCH REPORT

| Batch ID: R357097 ( 0 )     |                         | Instrument: VOA9 |         | Method: VOLATILES - SW8260C      |      |               |               |      |                |
|-----------------------------|-------------------------|------------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| <b>MBLK</b>                 | Sample ID: VBLKW-200226 | Units: ug/L      |         | Analysis Date: 26-Feb-2020 13:11 |      |               |               |      |                |
| Client ID:                  | Run ID: VOA9_357097     | SeqNo: 5489559   |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                  | PQL              | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | 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 | 46.91                   | 0                | 50      | 0                                | 93.8 | 70 - 130      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 48.74                   | 0                | 50      | 0                                | 97.5 | 82 - 115      |               |      |                |
| Surr: Dibromofluoromethane  | 51.52                   | 0                | 50      | 0                                | 103  | 73 - 126      |               |      |                |
| Surr: Toluene-d8            | 49.25                   | 0                | 50      | 0                                | 98.5 | 81 - 120      |               |      |                |

| <b>LCS</b>                  | Sample ID: VLCSW-200226 | Units: ug/L    |         | Analysis Date: 26-Feb-2020 12:23 |      |               |               |      |                |
|-----------------------------|-------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID:                  | Run ID: VOA9_357097     | SeqNo: 5489558 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                  | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Benzene                     | 18.16                   | 5.0            | 20      | 0                                | 90.8 | 74 - 120      |               |      |                |
| Ethylbenzene                | 19.43                   | 5.0            | 20      | 0                                | 97.1 | 77 - 117      |               |      |                |
| Toluene                     | 18.95                   | 5.0            | 20      | 0                                | 94.7 | 77 - 118      |               |      |                |
| Xylenes, Total              | 59.07                   | 5.0            | 60      | 0                                | 98.4 | 75 - 122      |               |      |                |
| Surr: 1,2-Dichloroethane-d4 | 47.81                   | 0              | 50      | 0                                | 95.6 | 70 - 130      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 49.41                   | 0              | 50      | 0                                | 98.8 | 82 - 115      |               |      |                |
| Surr: Dibromofluoromethane  | 50.06                   | 0              | 50      | 0                                | 100  | 73 - 126      |               |      |                |
| Surr: Toluene-d8            | 50.66                   | 0              | 50      | 0                                | 101  | 81 - 120      |               |      |                |

| <b>MS</b>                   | Sample ID: HS20020827-02MS | Units: ug/L    |         | Analysis Date: 26-Feb-2020 16:02 |      |               |               |      |                |
|-----------------------------|----------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID:                  | Run ID: VOA9_357097        | SeqNo: 5489562 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                     | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Benzene                     | 20.96                      | 5.0            | 20      | 0                                | 105  | 70 - 127      |               |      |                |
| Ethylbenzene                | 22.02                      | 5.0            | 20      | 0                                | 110  | 70 - 124      |               |      |                |
| Toluene                     | 18.97                      | 5.0            | 20      | 0                                | 94.8 | 70 - 123      |               |      |                |
| Xylenes, Total              | 65.83                      | 5.0            | 60      | 0                                | 110  | 70 - 130      |               |      |                |
| Surr: 1,2-Dichloroethane-d4 | 44.98                      | 0              | 50      | 0                                | 90.0 | 70 - 126      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 50.84                      | 0              | 50      | 0                                | 102  | 82 - 124      |               |      |                |
| Surr: Dibromofluoromethane  | 50.13                      | 0              | 50      | 0                                | 100  | 77 - 123      |               |      |                |
| Surr: Toluene-d8            | 47.76                      | 0              | 50      | 0                                | 95.5 | 82 - 127      |               |      |                |

## ALS Houston, US

Date: 04-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20021081

## QC BATCH REPORT

| Batch ID: R357097 ( 0 )                            |        | Instrument: VOA9            |         | Method: VOLATILES - SW8260C |      |                                  |               |       |                |
|----------------------------------------------------|--------|-----------------------------|---------|-----------------------------|------|----------------------------------|---------------|-------|----------------|
| <b>MSD</b>                                         |        | Sample ID: HS20020827-02MSD |         | Units: ug/L                 |      | Analysis Date: 26-Feb-2020 16:26 |               |       |                |
| Client ID:                                         |        | Run ID: VOA9_357097         |         | SeqNo: 5489563              |      | PrepDate:                        |               | DF: 1 |                |
| Analyte                                            | Result | PQL                         | SPK Val | SPK Ref Value               | %REC | Control Limit                    | RPD Ref Value | %RPD  | RPD Limit Qual |
| Benzene                                            | 20.71  | 5.0                         | 20      | 0                           | 104  | 70 - 127                         | 20.96         | 1.21  | 20             |
| Ethylbenzene                                       | 22.11  | 5.0                         | 20      | 0                           | 111  | 70 - 124                         | 22.02         | 0.429 | 20             |
| Toluene                                            | 21.2   | 5.0                         | 20      | 0                           | 106  | 70 - 123                         | 18.97         | 11.1  | 20             |
| Xylenes, Total                                     | 64.55  | 5.0                         | 60      | 0                           | 108  | 70 - 130                         | 65.83         | 1.97  | 20             |
| Surr: 1,2-Dichloroethane-d4                        | 48.11  | 0                           | 50      | 0                           | 96.2 | 70 - 126                         | 44.98         | 6.74  | 20             |
| Surr: 4-Bromofluorobenzene                         | 49.17  | 0                           | 50      | 0                           | 98.3 | 82 - 124                         | 50.84         | 3.34  | 20             |
| Surr: Dibromofluoromethane                         | 49.4   | 0                           | 50      | 0                           | 98.8 | 77 - 123                         | 50.13         | 1.46  | 20             |
| Surr: Toluene-d8                                   | 50.21  | 0                           | 50      | 0                           | 100  | 82 - 127                         | 47.76         | 5     | 20             |
| The following samples were analyzed in this batch: |        |                             |         |                             |      |                                  |               |       |                |
| HS20021081-01                                      |        | HS20021081-02               |         | HS20021081-03               |      | HS20021081-04                    |               |       |                |
| HS20021081-05                                      |        | HS20021081-06               |         | HS20021081-07               |      | HS20021081-08                    |               |       |                |
| HS20021081-09                                      |        | HS20021081-10               |         | HS20021081-11               |      |                                  |               |       |                |

## ALS Houston, US

Date: 04-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20021081

## QC BATCH REPORT

| Batch ID: R357493 ( 0 ) |                              | Instrument: ICS-Integrion |                | Method: ANIONS BY E300.0         |           |               |               |          |                |
|-------------------------|------------------------------|---------------------------|----------------|----------------------------------|-----------|---------------|---------------|----------|----------------|
| <b>MBLK</b>             | Sample ID: WBLKW1-030320     | Units: mg/L               |                | Analysis Date: 03-Mar-2020 10:40 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357493 |                           | SeqNo: 5498664 |                                  | 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                     |                |                                  |           |               |               |          |                |
| <b>LCS</b>              | Sample ID: WLCSW1-030320     | Units: mg/L               |                | Analysis Date: 03-Mar-2020 10:58 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357493 |                           | SeqNo: 5498665 |                                  | PrepDate: |               | DF: 1         |          |                |
| Analyte                 | Result                       | PQL                       | SPK Val        | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 19.87                        | 0.500                     | 20             | 0                                | 99.4      | 90 - 110      |               |          |                |
| <b>LCSD</b>             | Sample ID: WLCSDW1-030320    | Units: mg/L               |                | Analysis Date: 03-Mar-2020 11:16 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357493 |                           | SeqNo: 5498666 |                                  | PrepDate: |               | DF: 1         |          |                |
| Analyte                 | Result                       | PQL                       | SPK Val        | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 19.77                        | 0.500                     | 20             | 0                                | 98.8      | 90 - 110      | 19.87         | 0.525    | 20             |
| <b>MS</b>               | Sample ID: HS20021186-01MS   | Units: mg/L               |                | Analysis Date: 03-Mar-2020 15:30 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357493 |                           | SeqNo: 5498680 |                                  | PrepDate: |               | DF: 10        |          |                |
| Analyte                 | Result                       | PQL                       | SPK Val        | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 289.8                        | 5.00                      | 100            | 197.9                            | 91.9      | 80 - 120      |               |          |                |
| <b>MS</b>               | Sample ID: HS20021147-05MS   | Units: mg/L               |                | Analysis Date: 03-Mar-2020 18:31 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357493 |                           | SeqNo: 5498690 |                                  | PrepDate: |               | DF: 10        |          |                |
| Analyte                 | Result                       | PQL                       | SPK Val        | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 363.5                        | 5.00                      | 100            | 270.9                            | 92.6      | 80 - 120      |               |          |                |
| <b>MSD</b>              | Sample ID: HS20021186-01MSD  | Units: mg/L               |                | Analysis Date: 03-Mar-2020 15:48 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357493 |                           | SeqNo: 5498681 |                                  | PrepDate: |               | DF: 10        |          |                |
| Analyte                 | Result                       | PQL                       | SPK Val        | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 289.4                        | 5.00                      | 100            | 197.9                            | 91.5      | 80 - 120      | 289.8         | 0.138    | 20             |

## ALS Houston, US

Date: 04-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20021081

## QC BATCH REPORT

| Batch ID: R357493 ( 0 ) |                                     | Instrument: ICS-Integrion |                       | Method: ANIONS BY E300.0                |           |               |               |       |                |
|-------------------------|-------------------------------------|---------------------------|-----------------------|-----------------------------------------|-----------|---------------|---------------|-------|----------------|
| <b>MSD</b>              | Sample ID: <b>HS20021147-05MSD</b>  | Units: <b>mg/L</b>        |                       | Analysis Date: <b>03-Mar-2020 18:49</b> |           |               |               |       |                |
| Client ID:              | Run ID: <b>ICS-Integrion_357493</b> |                           | SeqNo: <b>5498691</b> |                                         | PrepDate: |               | DF: <b>10</b> |       |                |
| Analyte                 | Result                              | PQL                       | SPK Val               | SPK Ref Value                           | %REC      | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Chloride                | 360.2                               | 5.00                      | 100                   | 270.9                                   | 89.3      | 80 - 120      | 363.5         | 0.901 | 20             |

The following samples were analyzed in this batch:

|               |               |               |               |
|---------------|---------------|---------------|---------------|
| HS20021081-01 | HS20021081-02 | HS20021081-03 | HS20021081-04 |
| HS20021081-05 | HS20021081-06 | HS20021081-07 | HS20021081-08 |
| HS20021081-09 | HS20021081-10 |               |               |

**ALS Houston, US**

Date: 04-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20021081

**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 Quantitation Limit        |
| SD             | Serial Dilution                     |
| SDL            | Sample Detection Limit              |
| TRRP           | Texas Risk Reduction Program        |

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

ALS Houston, US

Date: 04-Mar-20

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

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| Agency          | Number            | Expire Date |
|-----------------|-------------------|-------------|
| Arkansas        | 19-028-0          | 27-Mar-2020 |
| California      | 2919, 2019-2020   | 30-Apr-2020 |
| Dept of Defense | ANAB L2231 V009   | 22-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  | 624-2020          | 31-Dec-2020 |
| North Dakota    | R-193 2019-2020   | 30-Apr-2020 |
| Oklahoma        | 2019-067          | 31-Aug-2020 |
| Texas           | T104704231-19-25  | 30-Apr-2020 |

## ALS Houston, US

Date: 04-Mar-20

## Sample Receipt Checklist

Client Name: Glen Springs/CRA

Date/Time Received: **25-Feb-2020 08:37**

Work Order: HS20021081

Received by: **NDR**

Checklist completed by: Nilesh D. Ranchod 25-Feb-2020  
eSignature Date

Reviewed by: Dane J. Wacasey 26-Feb-2020  
eSignature Date

Matrices: **Water**Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?

Yes ☒No ☐Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒No ☐Not Present ☐

Custody seals intact on sample bottles?

Yes ☐No ☐Not Present ☒

VOA/TX1005/TX1006 Solids in hermetically sealed vials?

Yes ☐No ☐Not Present ☒

Chain of custody present?

Yes ☒No ☐

2 Page(s)

Chain of custody signed when relinquished and received?

Yes ☒No ☐

COC IDs:215024/215023

Samplers name present on COC?

Yes ☒No ☐

Chain of custody agrees with sample labels?

Yes ☒No ☐

Samples in proper container/bottle?

Yes ☒No ☐

Sample containers intact?

Yes ☒No ☐

Sufficient sample volume for indicated test?

Yes ☒No ☐

All samples received within holding time?

Yes ☒No ☐

Container/Temp Blank temperature in compliance?

Yes ☒No ☐

Temperature(s)/Thermometer(s):

1.2C UC/C

IR # 25

Cooler(s)/Kit(s):

43796

Date/Time sample(s) sent to storage:

02/25/2020 18:00

Water - VOA vials have zero headspace?

Yes ☒No ☐No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☐No ☐N/A ☒

pH adjusted?

Yes ☐No ☐N/A ☒

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



## Chain of Custody Form

HS20021081

Page 1 of 2

COC ID: 215024

Glenn Springs Holdings, Inc.  
55627DM GSHI PXP Hill E.C. Federal #7 TB

| Customer Information |                                | Project Information |                                          | ALS Project Manager: |                              |
|----------------------|--------------------------------|---------------------|------------------------------------------|----------------------|------------------------------|
| Purchase Order       | 4502201559 ENV749-402-D02-1100 | Project Name        | 55627DM GSHI PXP Hill E.C. Federal #7 TB | A                    | 8260_W(8260 BTEX)            |
| Work Order           |                                | Project Number      | 55627DM                                  | B                    | 300_W(300 Chloride)          |
| Company Name         | Glenn Springs Holdings, Inc.   | Bill To Company     | Glenn Springs Holdings, Inc.             | C                    | 8260_W(8260 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@tetratech.com     | e-Mail Address      |                                          | I                    |                              |
|                      |                                |                     |                                          | J                    |                              |

| No. | Sample Description | Date    | Time | Matrix   | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|---------|------|----------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | MW-1               | 2-20-20 | 1255 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 2   | MW-2               | 2-20-20 | 1320 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 3   | MW-3               | 2-20-20 | 1400 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 4   | MW-4               | 2-21-20 | 1300 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 5   | MW-5               | 2-21-20 | 1115 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 6   | MW-6               | 2-21-20 | 1220 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 7   | MW-7               | 2-21-20 | 1335 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 8   | MW-8               | 2-21-20 | 1145 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 9   | MW-9               | 2-21-20 | 1050 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 10  | DUP                | 2-21-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |

Sampler(s) Please Print &amp; Sign

|                                                                                                                                                                              |  |               |  |             |  |                           |  |                                                                                                                                                                                             |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|--|-------------|--|---------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Relinquished by: <i>Preston Portant</i>                                                                                                                                      |  | Date: 2-24-20 |  | Time: 1600  |  | Received by: <i>WA</i>    |  | Notes: [GSHI PXP Hill EC Federal 7 TB]                                                                                                                                                      |  |
| Relinquished by: <i>Ant</i>                                                                                                                                                  |  | Date: 2-25-20 |  | Time: 08:37 |  | Received by (Laboratory): |  | Cooler ID: 43796                                                                                                                                                                            |  |
| Logged by (Laboratory):                                                                                                                                                      |  | Date:         |  | Time:       |  | Checked by (Laboratory):  |  | Cooler Temp.: 4.1C                                                                                                                                                                          |  |
| 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 |  |               |  |             |  |                           |  | QC Package: (Check One Box Below)                                                                                                                                                           |  |
|                                                                                                                                                                              |  |               |  |             |  |                           |  | <input checked="" type="checkbox"/> Level II Std QC<br><input type="checkbox"/> Level III Std QC/Raw Date<br><input type="checkbox"/> Level IV SW-846/CLP<br><input type="checkbox"/> Other |  |

ote: 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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## Chain of Custody Form

HS20021081

Page 2 of 2

COC ID: 215023

Glenn Springs Holdings, Inc.  
55627DM GSHI PXP Hill E.C. Federal #7 TB

| Customer Information |                                | Project Information |                                          | ALS Project Manager: |                               |
|----------------------|--------------------------------|---------------------|------------------------------------------|----------------------|-------------------------------|
| Purchase Order       | 4502201559 ENV749-402-D02-1100 | Project Name        | 55627DM GSHI PXP Hill E.C. Federal #7 TB | A                    | 8260_W (8260 BTEX)            |
| Work Order           |                                | Project Number      | 55627DM                                  | B                    | 300_W (300 Chloride)          |
| Company Name         | Glenn Springs Holdings, Inc.   | Bill To Company     | Glenn Springs Holdings, Inc.             | C                    | 8260_W (8260 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@tetratech.com     | e-Mail Address      |                                          | I                    |                               |
|                      |                                |                     |                                          | J                    |                               |

| No. | Sample Description | Date    | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|---------|------|--------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | Trip Blank         | 2-21-20 |      | Water  | 1,8   | 2         |   |   | X |   |   |   |   |   |   |   |      |
| 2   |                    |         |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 3   |                    |         |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 4   |                    |         |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 5   |                    |         |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 6   |                    |         |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 7   |                    |         |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 8   |                    |         |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 9   |                    |         |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 10  |                    |         |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |

|                                                                                                                                                                              |  |                                                                                                                |  |                                                                                                                                                                             |  |  |  |                                                                                                                                                                                                                                                                                                                   |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Sampler(s) Please Print & Sign                                                                                                                                               |  | Shipment Method                                                                                                |  | Required Turnaround Time: (Check Box)                                                                                                                                       |  |  |  | Results Due Date:                                                                                                                                                                                                                                                                                                 |  |
| Relinquished by: <i>Preston P. Pinter</i><br>Relinquished by: <i>NR</i><br>Logged by (Laboratory):                                                                           |  | Date: 2-24-20<br>Time: 1600<br>Received by: <i>NR</i><br>Received by (Laboratory):<br>Checked by (Laboratory): |  | FedEx<br><input checked="" type="checkbox"/> STD 10 Wk Days<br><input type="checkbox"/> 5 Wk Days<br><input type="checkbox"/> 2 Wk Days<br><input type="checkbox"/> 24 Hour |  |  |  | Notes: [GSHI PXP Hill EC Federal 7 TB]<br>Cooler ID: 43796<br>Cooler Temp: 1-2<br>QC Package: (Check One Box Below)<br><input checked="" type="checkbox"/> Level II Std QC<br><input type="checkbox"/> Level III Std QC/Raw Data<br><input type="checkbox"/> Level IV SW843/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 |  |                                                                                                                |  |                                                                                                                                                                             |  |  |  |                                                                                                                                                                                                                                                                                                                   |  |

ote: 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.

|                                                                                                                                                                                                       |                              |                      |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------|---------------------------|
|  <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>          |                      | Seal Broken By: <i>SM</i> |
|                                                                                                                                                                                                       | Date: <i>2-24-20</i>         | Time: <i>1600</i>    | Date: <i>02/25/20</i>     |
|                                                                                                                                                                                                       | Name: <i>Protein Biotech</i> | Company: <i>Tech</i> |                           |
|                                                                                                                                                                                                       |                              |                      |                           |

43796

FEB 25 2020



Must Deliver Next Business Day  
Time and Tempature Sensitive!

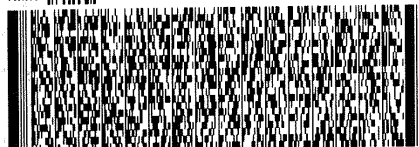
43796

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

SHIP DATE: 14FEB20  
 ACTWGT: 1.00 LB MAN  
 CAD: 300130/CAFE3211  
 DIMS: 19x16x13 IN

TO **CLIENT SERVICES**  
**ALS LABORATORY GROUP**  
**10450 STANCLIFF ROAD**  
**SUITE 210**  
**HOUSTON TX 77099**

(281) 530-5656  
 REF: PXP HILL-DW

RMA: 

**FedEx**  
Express

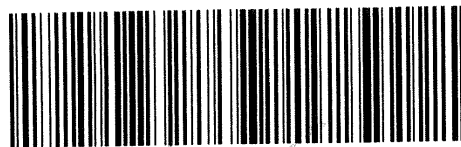


**FedEx**  
 TRK# 1251 0294 5528  
 0221

**TUE - 25 FEB 10:30A**  
**PRIORITY OVERNIGHT**

**AB SGRA**

**77099**  
 TX-US IAH



W3785666 02/24 56B J2/049E/FE4R



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

March 10, 2020

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

Work Order: **HS20030065**

Laboratory Results for: **55627DM GSHI PXP Hill E.C. Federal #7 TB**

Dear Mike,

ALS Environmental received 8 sample(s) on Mar 03, 2020 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,

Generated By: JUMOKE.LAWAL

Dane J. Wacasey

## ALS Houston, US

Date: 10-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20030065

## SAMPLE SUMMARY

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo        | Collection Date   | Date Received     | Hold                                |
|---------------|------------------|-------------|--------------|-------------------|-------------------|-------------------------------------|
| HS20030065-01 | MW-7 - 1         | Groundwater |              | 27-Feb-2020 12:00 | 03-Mar-2020 08:58 | <input type="checkbox"/>            |
| HS20030065-02 | MW-7 - 2         | Groundwater |              | 27-Feb-2020 13:00 | 03-Mar-2020 08:58 | <input type="checkbox"/>            |
| HS20030065-03 | MW-7 - 3         | Groundwater |              | 27-Feb-2020 14:00 | 03-Mar-2020 08:58 | <input type="checkbox"/>            |
| HS20030065-04 | MW-7 - 4         | Groundwater |              | 27-Feb-2020 15:00 | 03-Mar-2020 08:58 | <input type="checkbox"/>            |
| HS20030065-05 | MW-7 - 5         | Groundwater |              | 27-Feb-2020 16:00 | 03-Mar-2020 08:58 | <input type="checkbox"/>            |
| HS20030065-06 | MW-7 - 6         | Groundwater |              | 27-Feb-2020 17:00 | 03-Mar-2020 08:58 | <input type="checkbox"/>            |
| HS20030065-07 | DUP              | Groundwater |              | 27-Feb-2020 00:00 | 03-Mar-2020 08:58 | <input type="checkbox"/>            |
| HS20030065-08 | Trip Blank       | Water       | CG011520-372 | 27-Feb-2020 00:00 | 03-Mar-2020 08:58 | <input checked="" type="checkbox"/> |

ALS Houston, US

Date: 10-Mar-20

---

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20030065

---

**CASE NARRATIVE**

---

**WetChemistry by Method E300**

**Batch ID: R357777**

**Sample ID: HS20030329-01MS**

- MS and MSD are for an unrelated sample (Chloride)
-

**ALS Houston, US**

Date: 10-Mar-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 1  
Collection Date: 27-Feb-2020 12:00

**ANALYTICAL REPORT**

WorkOrder:HS20030065  
Lab ID:HS20030065-01  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL   | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|-------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |       |                 |       |                    | Analyst: KVL      |
| Chloride         | 26.1        |      | 0.200 | 0.500           | mg/L  | 1                  | 09-Mar-2020 15:18 |

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

**ALS Houston, US**

Date: 10-Mar-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 2  
Collection Date: 27-Feb-2020 13:00

**ANALYTICAL REPORT**

WorkOrder:HS20030065  
Lab ID:HS20030065-02  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: KVL      |
| Chloride         | 522         |      | 4.00 | 10.0            | mg/L  | 20                 | 09-Mar-2020 15:36 |

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

**ALS Houston, US**

Date: 10-Mar-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 3  
Collection Date: 27-Feb-2020 14:00

**ANALYTICAL REPORT**

WorkOrder:HS20030065  
Lab ID:HS20030065-03  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: KVL      |
| Chloride         | 559         |      | 4.00 | 10.0            | mg/L  | 20                 | 09-Mar-2020 15:54 |

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

**ALS Houston, US**

Date: 10-Mar-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 4  
Collection Date: 27-Feb-2020 15:00

**ANALYTICAL REPORT**

WorkOrder:HS20030065  
Lab ID:HS20030065-04  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      | Analyst: KVL    |       |                    |                   |
| Chloride                | 619    |                    | 4.00 | 10.0            | mg/L  | 20                 | 09-Mar-2020 16:13 |

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

**ALS Houston, US**

Date: 10-Mar-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 5  
Collection Date: 27-Feb-2020 16:00

**ANALYTICAL REPORT**

WorkOrder:HS20030065  
Lab ID:HS20030065-05  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: KVL      |
| Chloride         | 685         |      | 4.00 | 10.0            | mg/L  | 20                 | 09-Mar-2020 16:31 |

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

**ALS Houston, US**

Date: 10-Mar-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 6  
Collection Date: 27-Feb-2020 17:00

**ANALYTICAL REPORT**

WorkOrder:HS20030065  
Lab ID:HS20030065-06  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: KVL      |
| Chloride         | 598         |      | 4.00 | 10.0            | mg/L  | 20                 | 09-Mar-2020 16:49 |

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

**ALS Houston, US**

Date: 10-Mar-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: DUP  
Collection Date: 27-Feb-2020 00:00

**ANALYTICAL REPORT**

WorkOrder:HS20030065  
Lab ID:HS20030065-07  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      |                 |       | Analyst: KVL       |                   |
| Chloride                | 591    |                    | 4.00 | 10.0            | mg/L  | 20                 | 09-Mar-2020 17:07 |

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

ALS Houston, US

Date: 10-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20030065

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                     | Leachate Date | Prep Date | Analysis Date              | DF |
|--------------------------------|----------------|-------------------------------------|---------------|-----------|----------------------------|----|
| <b>Batch ID:</b> R357777 ( 0 ) |                | <b>Test Name :</b> ANIONS BY E300.0 |               |           | <b>Matrix:</b> Groundwater |    |
| HS20030065-01                  | MW-7 - 1       | 27 Feb 2020 12:00                   |               |           | 09 Mar 2020 15:18          | 1  |
| HS20030065-02                  | MW-7 - 2       | 27 Feb 2020 13:00                   |               |           | 09 Mar 2020 15:36          | 20 |
| HS20030065-03                  | MW-7 - 3       | 27 Feb 2020 14:00                   |               |           | 09 Mar 2020 15:54          | 20 |
| HS20030065-04                  | MW-7 - 4       | 27 Feb 2020 15:00                   |               |           | 09 Mar 2020 16:13          | 20 |
| HS20030065-05                  | MW-7 - 5       | 27 Feb 2020 16:00                   |               |           | 09 Mar 2020 16:31          | 20 |
| HS20030065-06                  | MW-7 - 6       | 27 Feb 2020 17:00                   |               |           | 09 Mar 2020 16:49          | 20 |
| HS20030065-07                  | DUP            | 27 Feb 2020 00:00                   |               |           | 09 Mar 2020 17:07          | 20 |

## ALS Houston, US

Date: 10-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20030065

## QC BATCH REPORT

| Batch ID: R357777 ( 0 ) |                              | Instrument: ICS-Integrion |                | Method: ANIONS BY E300.0         |           |               |               |          |                |
|-------------------------|------------------------------|---------------------------|----------------|----------------------------------|-----------|---------------|---------------|----------|----------------|
| <b>MBLK</b>             | Sample ID: WBLKW1-030620     | Units: mg/L               |                | Analysis Date: 09-Mar-2020 11:41 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357777 |                           | SeqNo: 5504222 |                                  | 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                     |                |                                  |           |               |               |          |                |
| <b>LCS</b>              | Sample ID: WLCSW1-030620     | Units: mg/L               |                | Analysis Date: 09-Mar-2020 11:59 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357777 |                           | SeqNo: 5504223 |                                  | 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      |               |          |                |
| <b>LCSD</b>             | Sample ID: WLCSDW1-030620    | Units: mg/L               |                | Analysis Date: 09-Mar-2020 12:17 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357777 |                           | SeqNo: 5504224 |                                  | PrepDate: |               | DF: 1         |          |                |
| Analyte                 | Result                       | PQL                       | SPK Val        | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 19.87                        | 0.500                     | 20             | 0                                | 99.3      | 90 - 110      | 19.92         | 0.261    | 20             |
| <b>MS</b>               | Sample ID: HS20030329-01MS   | Units: mg/L               |                | Analysis Date: 09-Mar-2020 14:42 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357777 |                           | SeqNo: 5506092 |                                  | PrepDate: |               | DF: 1         |          |                |
| Analyte                 | Result                       | PQL                       | SPK Val        | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 318.2                        | 0.500                     | 10             | 316.3                            | 18.9      | 80 - 120      |               |          | SEO            |
| <b>MS</b>               | Sample ID: HS20021310-12MS   | Units: mg/L               |                | Analysis Date: 09-Mar-2020 12:53 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357777 |                           | SeqNo: 5504226 |                                  | PrepDate: |               | DF: 1         |          |                |
| Analyte                 | Result                       | PQL                       | SPK Val        | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 91.71                        | 0.500                     | 10             | 83.66                            | 80.5      | 80 - 120      |               |          | O              |
| <b>MSD</b>              | Sample ID: HS20030329-01MSD  | Units: mg/L               |                | Analysis Date: 09-Mar-2020 15:00 |           |               |               |          |                |
| Client ID:              | Run ID: ICS-Integrion_357777 |                           | SeqNo: 5506093 |                                  | PrepDate: |               | DF: 1         |          |                |
| Analyte                 | Result                       | PQL                       | SPK Val        | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 319.7                        | 0.500                     | 10             | 316.3                            | 33.9      | 80 - 120      | 318.2         | 0.47     | 20 SEO         |

## ALS Houston, US

Date: 10-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20030065

## QC BATCH REPORT

|                                                    |        |                              |         |                          |      |                                  |               |       |           |      |
|----------------------------------------------------|--------|------------------------------|---------|--------------------------|------|----------------------------------|---------------|-------|-----------|------|
| Batch ID: R357777 ( 0 )                            |        | Instrument: ICS-Integrion    |         | Method: ANIONS BY E300.0 |      |                                  |               |       |           |      |
| MSD                                                |        | Sample ID: HS20021310-12MSD  |         | Units: mg/L              |      | Analysis Date: 09-Mar-2020 13:11 |               |       |           |      |
| Client ID:                                         |        | Run ID: ICS-Integrion_357777 |         | SeqNo: 5504227           |      | PrepDate:                        |               | DF: 1 |           |      |
| Analyte                                            | Result | PQL                          | SPK Val | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | %RPD  | RPD Limit | Qual |
| Chloride                                           | 91.95  | 0.500                        | 10      | 83.66                    | 82.9 | 80 - 120                         | 91.71         | 0.254 | 20        | O    |
| The following samples were analyzed in this batch: |        |                              |         |                          |      |                                  |               |       |           |      |
| HS20030065-01                                      |        | HS20030065-02                |         | HS20030065-03            |      | HS20030065-04                    |               |       |           |      |
| HS20030065-05                                      |        | HS20030065-06                |         | HS20030065-07            |      |                                  |               |       |           |      |

**ALS Houston, US**

Date: 10-Mar-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20030065

**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 Quantitation 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: 10-Mar-20

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

---

| Agency          | Number            | Expire Date |
|-----------------|-------------------|-------------|
| Arkansas        | 19-028-0          | 27-Mar-2020 |
| California      | 2919, 2019-2020   | 30-Apr-2020 |
| Dept of Defense | ANAB L2231 V009   | 22-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  | 624-2020          | 31-Dec-2020 |
| North Dakota    | R-193 2019-2020   | 30-Apr-2020 |
| Oklahoma        | 2019-067          | 31-Aug-2020 |
| Texas           | T104704231-19-25  | 30-Apr-2020 |

## ALS Houston, US

Date: 10-Mar-20

## Sample Receipt Checklist

Client Name: Glen Springs/CRA

Date/Time Received: **03-Mar-2020 08:58**

Work Order: HS20030065

Received by: **PMG**

Checklist completed by: Nelson D. Dusara 3-Mar-2020  
eSignature Date

Reviewed by: Dane J. Wacasey 3-Mar-2020  
eSignature 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:215025                                             |
| 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):                          | 1.1°C uc/c IR 25                        |                             |                                                            |
| Cooler(s)/Kit(s):                                       | 43724                                   |                             |                                                            |
| Date/Time sample(s) sent to storage:                    | Mar/03/2020 11:30                       |                             |                                                            |
| Water - VOA vials have zero headspace?                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials submitted <input checked="" 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: TB received not on COC; logged in on Hold. No VOCs associated to this SDG.

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

Cincinnati, OH  
+1 513 733 5336Everett, 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: 215025

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

| Customer Information |                                |  |  | ALS Project Manager:                  |                                  |  |  | ALS Work Order #:    |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|--------------------------------|--|--|---------------------------------------|----------------------------------|--|--|----------------------|--|--|--|--|--|--|--|--|--|--|--|
| Project Information  |                                |  |  | Parameter/Method Request for Analysis |                                  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| Purchase Order       | 4502201559 ENV749-402-D02-1100 |  |  | Project Name                          | GSHI PXP Hill E.C. Federal #7 TB |  |  | 300_W (300 Chloride) |  |  |  |  |  |  |  |  |  |  |  |
| Work Order           |                                |  |  | Project Number                        | 55627DM (ENV749A008) (Cl only)   |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| Company Name         | Glenn Springs Holdings, Inc.   |  |  | Bill To Company                       | Glenn Springs Holdings, Inc.     |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| Send Report To       | Mike Carmona                   |  |  | Invoice Attn                          | Accounts Payable                 |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| Address              | PO Box 2148                    |  |  | Address                               | PO Box 2148                      |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| City/State/Zip       | Houston, TX 77252-2148         |  |  | City/State/Zip                        | Houston TX 77252-2148            |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| Phone                |                                |  |  | Phone                                 |                                  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| Fax                  |                                |  |  | Fax                                   |                                  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |
| e-Mail Address       | Mike.Carmona@tetratech.com     |  |  | e-Mail Address                        |                                  |  |  |                      |  |  |  |  |  |  |  |  |  |  |  |

| No. | Sample Description | Date    | Time | Matrix   | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|---------|------|----------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | MW-7 - 1           | 2-27-20 | 1200 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 2   | MW-7 - 2           | 2-27-20 | 1300 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 3   | MW-7 - 3           | 2-27-20 | 1400 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 4   | MW-7 - 4           | 2-27-20 | 1500 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 5   | MW-7 - 5           | 2-27-20 | 1600 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 6   | MW-7 - 6           | 2-27-20 | 1700 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 7   | DUP                | 2-27-20 | 1700 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 8   |                    | —       | —    | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 9   |                    |         |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 10  |                    |         |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |

|                                                            |  |              |            |                                          |  |                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                            |  |                                      |  |  |
|------------------------------------------------------------|--|--------------|------------|------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|--|
| Sampler(s) Please Print & Sign<br><i>Matthew Castrejon</i> |  |              |            | Shipment Method                          |  | 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>Mike Carmona</i>                    |  | Date: 3-2-20 | Time: 1600 | Received by:<br><i>Matthew Castrejon</i> |  | Received by (Laboratory):<br><i>3/2/2020 08:58</i>                                                                                                                                                 |  | Checked by (Laboratory):                                                                                                                                                                                                                                                                                   |  | Notes: GSHI PXP Hill EC Federal 7 TB |  |  |
| Logged by (Laboratory):                                    |  | Date:        | Time:      | Cooler ID: 43724                         |  | Cooler Temp: 41.5                                                                                                                                                                                  |  | QC Package: (Check One Box Below)<br><input checked="" type="checkbox"/> Level II Std QC <input type="checkbox"/> RRP Checklist<br><input type="checkbox"/> Level III Std QC/Raw Date <input type="checkbox"/> RRP Level IV<br><input type="checkbox"/> Level IV SV/843/CLP <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

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

|                                                                                   |                                              |            |
|-----------------------------------------------------------------------------------|----------------------------------------------|------------|
|  | <b>ALS</b>                                   |            |
|                                                                                   | 10450 Standliff Rd., Suite 210               |            |
|                                                                                   | Houston, Texas 77099                         |            |
|                                                                                   | Tel. +1 281 530 5656<br>Fax. +1 281 530 5887 |            |
|                                                                                   |                                              | Date: 2-2  |
|                                                                                   |                                              | Name: Hal  |
|                                                                                   |                                              | Company: 3 |

|                     |            |                 |
|---------------------|------------|-----------------|
| <b>CUSTODY SEAL</b> |            | Seal Broken By: |
| To: New Castles     | Time: 1600 | Date: 2/2/21    |
| John Tech           |            |                 |

FedEx  
TRK# 1251 0294 5561  
0224

TUE - 03 MAR 10:30A  
PRIORITY OVERNIGHT

**AR SGRA**

77099  
1A0



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

May 20, 2020

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

Work Order: **HS20050462**

Laboratory Results for: **55627DM GSHI PXP Hill E.C. Federal #7 TB**

Dear Mike,

ALS Environmental received 7 sample(s) on May 13, 2020 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,

Generated By: JUMOKE.LAWAL

Dane J. Wacasey

## ALS Houston, US

Date: 20-May-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20050462

## SAMPLE SUMMARY

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|-------------|-------|-------------------|-------------------|--------------------------|
| HS20050462-01 | MW-7 - 1         | Groundwater |       | 07-May-2020 10:15 | 13-May-2020 12:20 | <input type="checkbox"/> |
| HS20050462-02 | MW-7 - 2         | Groundwater |       | 07-May-2020 11:05 | 13-May-2020 12:20 | <input type="checkbox"/> |
| HS20050462-03 | MW-7 - 3         | Groundwater |       | 07-May-2020 12:00 | 13-May-2020 12:20 | <input type="checkbox"/> |
| HS20050462-04 | MW-7 - 4         | Groundwater |       | 07-May-2020 12:55 | 13-May-2020 12:20 | <input type="checkbox"/> |
| HS20050462-05 | MW-7 - 5         | Groundwater |       | 07-May-2020 13:25 | 13-May-2020 12:20 | <input type="checkbox"/> |
| HS20050462-06 | MW-7 - 6         | Groundwater |       | 07-May-2020 14:30 | 13-May-2020 12:20 | <input type="checkbox"/> |
| HS20050462-07 | DUP              | Groundwater |       | 07-May-2020 00:00 | 13-May-2020 12:20 | <input type="checkbox"/> |

ALS Houston, US

Date: 20-May-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20050462

**CASE NARRATIVE**

---

**WetChemistry by Method E300**

**Batch ID: R361835**

**Sample ID: HS20050633-01MS**

- MS and MSD are for an unrelated sample
-

**ALS Houston, US**

Date: 20-May-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 1  
Collection Date: 07-May-2020 10:15

**ANALYTICAL REPORT**

WorkOrder:HS20050462  
Lab ID:HS20050462-01  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: JHD      |
| Chloride         | 683         |      | 10.0 | 25.0            | mg/L  | 50                 | 19-May-2020 20:26 |

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

**ALS Houston, US**

Date: 20-May-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 2  
Collection Date: 07-May-2020 11:05

**ANALYTICAL REPORT**

WorkOrder:HS20050462  
Lab ID:HS20050462-02  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: JHD      |
| Chloride         | 750         |      | 10.0 | 25.0            | mg/L  | 50                 | 19-May-2020 20:44 |

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

**ALS Houston, US**

Date: 20-May-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 3  
Collection Date: 07-May-2020 12:00

**ANALYTICAL REPORT**

WorkOrder:HS20050462  
Lab ID:HS20050462-03  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: JHD      |
| Chloride         | 817         |      | 10.0 | 25.0            | mg/L  | 50                 | 19-May-2020 21:02 |

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

**ALS Houston, US**

Date: 20-May-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 4  
Collection Date: 07-May-2020 12:55

**ANALYTICAL REPORT**

WorkOrder:HS20050462  
Lab ID:HS20050462-04  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: JHD      |
| Chloride         | 885         |      | 10.0 | 25.0            | mg/L  | 50                 | 19-May-2020 21:57 |

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

**ALS Houston, US**

Date: 20-May-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 5  
Collection Date: 07-May-2020 13:25

**ANALYTICAL REPORT**

WorkOrder:HS20050462  
Lab ID:HS20050462-05  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: JHD      |
| Chloride         | 955         |      | 10.0 | 25.0            | mg/L  | 50                 | 19-May-2020 22:15 |

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

**ALS Houston, US**

Date: 20-May-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 6  
Collection Date: 07-May-2020 14:30

**ANALYTICAL REPORT**

WorkOrder:HS20050462  
Lab ID:HS20050462-06  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: JHD      |
| Chloride         | 973         |      | 10.0 | 25.0            | mg/L  | 50                 | 19-May-2020 22:33 |

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

**ALS Houston, US**

Date: 20-May-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: DUP  
Collection Date: 07-May-2020 00:00

**ANALYTICAL REPORT**

WorkOrder:HS20050462  
Lab ID:HS20050462-07  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: JHD      |
| Chloride         | 973         |      | 10.0 | 25.0            | mg/L  | 50                 | 19-May-2020 22:51 |

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

ALS Houston, US

Date: 20-May-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20050462

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                     | Leachate Date | Prep Date | Analysis Date              | DF |
|--------------------------------|----------------|-------------------------------------|---------------|-----------|----------------------------|----|
| <b>Batch ID:</b> R361835 ( 0 ) |                | <b>Test Name :</b> ANIONS BY E300.0 |               |           | <b>Matrix:</b> Groundwater |    |
| HS20050462-01                  | MW-7 - 1       | 07 May 2020 10:15                   |               |           | 19 May 2020 20:26          | 50 |
| HS20050462-02                  | MW-7 - 2       | 07 May 2020 11:05                   |               |           | 19 May 2020 20:44          | 50 |
| HS20050462-03                  | MW-7 - 3       | 07 May 2020 12:00                   |               |           | 19 May 2020 21:02          | 50 |
| HS20050462-04                  | MW-7 - 4       | 07 May 2020 12:55                   |               |           | 19 May 2020 21:57          | 50 |
| HS20050462-05                  | MW-7 - 5       | 07 May 2020 13:25                   |               |           | 19 May 2020 22:15          | 50 |
| HS20050462-06                  | MW-7 - 6       | 07 May 2020 14:30                   |               |           | 19 May 2020 22:33          | 50 |
| HS20050462-07                  | DUP            | 07 May 2020 00:00                   |               |           | 19 May 2020 22:51          | 50 |

## ALS Houston, US

Date: 20-May-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20050462

## QC BATCH REPORT

| Batch ID: R361835 ( 0 )                            |                              | Instrument: ICS-Integrion |                | Method: ANIONS BY E300.0 |                                  |               |               |          |                |
|----------------------------------------------------|------------------------------|---------------------------|----------------|--------------------------|----------------------------------|---------------|---------------|----------|----------------|
| MBLK                                               | Sample ID: MBLK051920        | Units: mg/L               |                |                          | Analysis Date: 20-May-2020 08:30 |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_361835 |                           | SeqNo: 5590145 |                          | 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: LCS051920         | Units: mg/L               |                |                          | Analysis Date: 20-May-2020 08:48 |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_361835 |                           | SeqNo: 5590146 |                          | PrepDate:                        |               | DF: 1         |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val        | SPK Ref Value            | %REC                             | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 19.31                        | 0.500                     | 20             | 0                        | 96.6                             | 90 - 110      |               |          |                |
| MS                                                 | Sample ID: HS20050682-01MS   | Units: mg/L               |                |                          | Analysis Date: 19-May-2020 18:38 |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_361835 |                           | SeqNo: 5590120 |                          | PrepDate:                        |               | DF: 1         |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val        | SPK Ref Value            | %REC                             | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 354.7                        | 0.500                     | 10             | 354.2                    | 5.20                             | 80 - 120      |               |          | SEO            |
| MS                                                 | Sample ID: HS20050633-01MS   | Units: mg/L               |                |                          | Analysis Date: 19-May-2020 15:54 |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_361835 |                           | SeqNo: 5590111 |                          | PrepDate:                        |               | DF: 5         |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val        | SPK Ref Value            | %REC                             | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 1526                         | 2.50                      | 50             | 1541                     | -31.0                            | 80 - 120      |               |          | SEO            |
| MSD                                                | Sample ID: HS20050682-01MSD  | Units: mg/L               |                |                          | Analysis Date: 19-May-2020 18:56 |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_361835 |                           | SeqNo: 5590121 |                          | PrepDate:                        |               | DF: 1         |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val        | SPK Ref Value            | %REC                             | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 362.1                        | 0.500                     | 10             | 354.2                    | 79.0                             | 80 - 120      | 354.7         | 2.06     | 20 SEO         |
| MSD                                                | Sample ID: HS20050633-01MSD  | Units: mg/L               |                |                          | Analysis Date: 19-May-2020 16:13 |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_361835 |                           | SeqNo: 5590112 |                          | PrepDate:                        |               | DF: 5         |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val        | SPK Ref Value            | %REC                             | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 1534                         | 2.50                      | 50             | 1541                     | -15.3                            | 80 - 120      | 1526          | 0.513    | 20 SEO         |
| The following samples were analyzed in this batch: |                              |                           |                |                          |                                  |               |               |          |                |
| HS20050462-01                                      |                              |                           | HS20050462-02  |                          | HS20050462-03                    |               | HS20050462-04 |          |                |
| HS20050462-05                                      |                              |                           | HS20050462-06  |                          | HS20050462-07                    |               |               |          |                |

**ALS Houston, US**

Date: 20-May-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20050462

**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 Quantitation 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: 20-May-20

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

---

| Agency          | Number            | Expire Date |
|-----------------|-------------------|-------------|
| Arkansas        | 20-030-0          | 26-Mar-2021 |
| Dept of Defense | ANAB L2231 V009   | 22-Dec-2021 |
| Florida         | E87611-28         | 30-Jun-2020 |
| Kansas          | E-10352 2019-2020 | 31-Jul-2020 |
| Louisiana       | 03087, 2019-2020  | 30-Jun-2020 |
| Maryland        | 343, 2019-2020    | 30-Jun-2020 |
| North Carolina  | 624-2020          | 31-Dec-2020 |
| Oklahoma        | 2019-141          | 31-Aug-2020 |
| Texas           | T104704231-20-26  | 30-Apr-2021 |

ALS Houston, US

Date: 20-May-20

## Sample Receipt Checklist

Work Order ID: HS20050462

Date/Time Received: 13-May-2020 12:20

Client Name: Glen Springs/CRA

Received by: Jared R. Makan

| Completed By: <u>/S/ Paresh M. Giga</u> | 13-May-2020 17:09 | Reviewed by: <u>/S/ Dane J. Wacasey</u> | 14-May-2020 17:31 |
|-----------------------------------------|-------------------|-----------------------------------------|-------------------|
| eSignature                              | Date/Time         | eSignature                              | Date/Time         |

Matrices: **GW**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:222300                                             |
| 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):                          | 1.5°C U/C IR11                          |                             |                                                            |
| Cooler(s)/Kit(s):                                       | 45717                                   |                             |                                                            |
| Date/Time sample(s) sent to storage:                    | 5/13/2020 17:15                         |                             |                                                            |
| Water - VOA vials have zero headspace?                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials submitted <input checked="" 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:

Corrective Action:

Cincinnati, OH  
+1 513 733 5336Everett, 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: 222300

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

| Customer Information                                                                                                                                                         |                                | Project Information |                                       | Parameter/Method Request for Analysis                                                                                                                     |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|--------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|-------------------|---|---|---|---|------|
| Purchase Order                                                                                                                                                               | 4502201559 ENV749-402-D02-1100 | Project Name        | GSHI PXP Hill E.C. Federal #7 TB      | 300_W (300 Chloride)                                                                                                                                      |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| Work Order                                                                                                                                                                   |                                | Project Number      | 55627DM (ENV749A008) (Cl only)        |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| Company Name                                                                                                                                                                 | Glenn Springs Holdings, Inc.   | Bill To Company     | Glenn Springs Holdings, Inc.          |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| Send Report To                                                                                                                                                               | Mike Carmona                   | Invoice Attn        | Accounts Payable                      |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| Address                                                                                                                                                                      | PO Box 2148                    | Address             | PO Box 2148                           | <b>HS20050462</b><br>Glenn Springs Holdings, Inc.<br>55627DM GSHI PXP Hill E.C. Federal #7 TB<br>                                                         |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
|                                                                                                                                                                              |                                |                     |                                       |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| City/State/Zip                                                                                                                                                               | Houston, TX 77252-2148         | City/State/Zip      | Houston TX 77252-2148                 |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| Phone                                                                                                                                                                        |                                | Phone               |                                       |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| Fax                                                                                                                                                                          |                                | Fax                 |                                       |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| e-Mail Address                                                                                                                                                               | Mike.Carmona@tetrattech.com    | e-Mail Address      |                                       |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| No.                                                                                                                                                                          | Sample Description             | Date                | Time                                  | Matrix                                                                                                                                                    | Pres. | # Bottles | A                                    | B            | C                                                                                                                                                                                                                                                                         | D | E | F                 | G | H | I | J | Hold |
| 1                                                                                                                                                                            | MW-7 - 1                       | 5-7-20              | 1015                                  | Groundwa                                                                                                                                                  | 8     | 1         | X                                    |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| 2                                                                                                                                                                            | MW-7 - 2                       | 5-7-20              | 1105                                  | Groundwa                                                                                                                                                  | 8     | 1         | X                                    |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| 3                                                                                                                                                                            | MW-7 - 3                       | 5-7-20              | 1200                                  | Groundwa                                                                                                                                                  | 8     | 1         | X                                    |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| 4                                                                                                                                                                            | MW-7 - 4                       | 5-7-20              | 1255                                  | Groundwa                                                                                                                                                  | 8     | 1         | X                                    |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| 5                                                                                                                                                                            | MW-7 - 5                       | 5-7-20              | 1325                                  | Groundwa                                                                                                                                                  | 8     | 1         | X                                    |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| 6                                                                                                                                                                            | MW-7 - 6                       | 5-7-20              | 1430                                  | Groundwa                                                                                                                                                  | 8     | 1         | X                                    |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| 7                                                                                                                                                                            | DUP                            | 5-7-20              |                                       | Groundwa                                                                                                                                                  | 8     | 1         | X                                    |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| 8                                                                                                                                                                            |                                |                     |                                       |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| 9                                                                                                                                                                            |                                |                     |                                       |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| 10                                                                                                                                                                           |                                |                     |                                       |                                                                                                                                                           |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| Sampler(s) Please Print & Sign                                                                                                                                               |                                | Shipment Method     |                                       | Required Turnaround Time: (Check Box)                                                                                                                     |       |           |                                      | Other        |                                                                                                                                                                                                                                                                           |   |   | Results Due Date: |   |   |   |   |      |
| Preston Porter                                                                                                                                                               |                                |                     |                                       | <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 |       |           |                                      |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| Relinquished by:                                                                                                                                                             | Date: 5-12-20                  | Time: 1600          | Received by:                          |                                                                                                                                                           |       |           | Notes: GSHI PXP Hill EC Federal 7 TB |              |                                                                                                                                                                                                                                                                           |   |   |                   |   |   |   |   |      |
| Relinquished by:                                                                                                                                                             | Date: 5/13/20                  | Time: 12:20         | Received by (Laboratory): J. M. M. M. |                                                                                                                                                           |       |           | Cooler ID                            | Cooler Temp. | QC Package: (Check One Box Below)                                                                                                                                                                                                                                         |   |   |                   |   |   |   |   |      |
| Logged by (Laboratory):                                                                                                                                                      | Date:                          | Time:               | Checked by (Laboratory):              |                                                                                                                                                           |       |           | 45717                                | 1.5          | <input checked="" type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP Checklist<br><input type="checkbox"/> Level III Std QC/Raw Date <input type="checkbox"/> TRRP Level IV<br><input type="checkbox"/> Level IV SW846/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.

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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>        |                   | Seal Broken By: <i>sm</i> |
|                                                                                                                                                                                                       | Date: <i>5-12-20</i>       | Time: <i>1600</i> | Date: <i>05/13/20</i>     |
|                                                                                                                                                                                                       | Name: <i>Preston Brand</i> |                   |                           |
|                                                                                                                                                                                                       | Company: <i>Kva Tech</i>   |                   |                           |



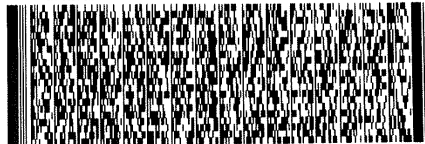
ORIGIN ID: SGRA (432) 682-4559  
 MIKE CAMONA  
 GSHI-TETRA TECH  
 901 WEST WALL ST.  
 SUITE 100  
 MIDLAND, TX 79701  
 UNITED STATES US

SHIP DATE: 24APR20  
 ACTWGT: 6.40 LB  
 CAD: 300130/CAFE3211  
 DIMS: 19x16x13 IN

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

(281) 530-5656  
 REF: 556260DM - B0 71565/6 - DW

RMA: 111111



FedEx  
Express



FedEx  
 TRK# 1251 0296 5986  
 0221

WED - 13 MAY 10:30A  
 PRIORITY OVERNIGHT

**AB SGRA**

77099  
 TX-US IAH



#3869139 05/12 56BJ3/2925/FE4



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

August 27, 2020

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

Work Order: **HS20080737**

Laboratory Results for: **55627DM GSHI PXP Hill E.C. Federal #7 TB**

Dear Mike Carmona,

ALS Environmental received 11 sample(s) on Aug 18, 2020 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,

Generated By: JUMOKE.LAWAL

Dane J. Wacasey

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20080737

## SAMPLE SUMMARY

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|-------------|-------|-------------------|-------------------|--------------------------|
| HS20080737-01 | MW-1             | Groundwater |       | 13-Aug-2020 13:10 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-02 | MW-2             | Groundwater |       | 13-Aug-2020 13:20 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-03 | MW-3             | Groundwater |       | 13-Aug-2020 12:10 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-04 | MW-4             | Groundwater |       | 13-Aug-2020 11:10 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-05 | MW-5             | Groundwater |       | 13-Aug-2020 11:30 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-06 | MW-6             | Groundwater |       | 13-Aug-2020 12:05 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-07 | MW-7             | Groundwater |       | 13-Aug-2020 14:30 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-08 | MW-8             | Groundwater |       | 13-Aug-2020 10:15 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-09 | MW-9             | Groundwater |       | 13-Aug-2020 10:05 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-10 | DUP              | Groundwater |       | 13-Aug-2020 00:00 | 18-Aug-2020 09:50 | <input type="checkbox"/> |
| HS20080737-11 | Trip Blank       | Water       |       | 13-Aug-2020 00:00 | 18-Aug-2020 09:50 | <input type="checkbox"/> |

**ALS Houston, US**

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20080737

**CASE NARRATIVE**

---

**GCMS Volatiles by Method SW8260**

**Batch ID: R367188,R367202**

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

**Batch ID: R367091**

**Sample ID: HS20080738-02MS**

- MS and MSD are for an unrelated sample

---

**WetChemistry by Method E300**

**Batch ID: R367487**

**Sample ID: HS20081070-02MS**

- MS and MSD are for an unrelated sample (Chloride)
-

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-1  
 Collection Date: 13-Aug-2020 13:10

**ANALYTICAL REPORT**

WorkOrder:HS20080737  
 Lab ID:HS20080737-01  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 19-Aug-2020 18:53 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 19-Aug-2020 18:53 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 19-Aug-2020 18:53 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 19-Aug-2020 18:53 |
| Surr: 1,2-Dichloroethane-d4 | 88.3   |                      |      | 70-126          | %REC  | 1                  | 19-Aug-2020 18:53 |
| Surr: 4-Bromofluorobenzene  | 95.5   |                      |      | 82-124          | %REC  | 1                  | 19-Aug-2020 18:53 |
| Surr: Dibromofluoromethane  | 92.7   |                      |      | 77-123          | %REC  | 1                  | 19-Aug-2020 18:53 |
| Surr: Toluene-d8            | 106    |                      |      | 82-127          | %REC  | 1                  | 19-Aug-2020 18:53 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 747    |                      | 10.0 | 25.0            | mg/L  | 50                 | 25-Aug-2020 12:42 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-2  
 Collection Date: 13-Aug-2020 13:20

**ANALYTICAL REPORT**

WorkOrder:HS20080737  
 Lab ID:HS20080737-02  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 19-Aug-2020 19:17 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 19-Aug-2020 19:17 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 19-Aug-2020 19:17 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 19-Aug-2020 19:17 |
| Surr: 1,2-Dichloroethane-d4 | 87.5   |                      |      | 70-126          | %REC  | 1                  | 19-Aug-2020 19:17 |
| Surr: 4-Bromofluorobenzene  | 97.3   |                      |      | 82-124          | %REC  | 1                  | 19-Aug-2020 19:17 |
| Surr: Dibromofluoromethane  | 91.5   |                      |      | 77-123          | %REC  | 1                  | 19-Aug-2020 19:17 |
| Surr: Toluene-d8            | 106    |                      |      | 82-127          | %REC  | 1                  | 19-Aug-2020 19:17 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 190    |                      | 2.00 | 5.00            | mg/L  | 10                 | 25-Aug-2020 13:00 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-3  
 Collection Date: 13-Aug-2020 12:10

**ANALYTICAL REPORT**

WorkOrder:HS20080737  
 Lab ID:HS20080737-03  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 20-Aug-2020 01:41 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 20-Aug-2020 01:41 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 20-Aug-2020 01:41 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 20-Aug-2020 01:41 |
| Surr: 1,2-Dichloroethane-d4 | 88.2   |                      |      | 70-126          | %REC  | 1                  | 20-Aug-2020 01:41 |
| Surr: 4-Bromofluorobenzene  | 95.2   |                      |      | 82-124          | %REC  | 1                  | 20-Aug-2020 01:41 |
| Surr: Dibromofluoromethane  | 92.4   |                      |      | 77-123          | %REC  | 1                  | 20-Aug-2020 01:41 |
| Surr: Toluene-d8            | 108    |                      |      | 82-127          | %REC  | 1                  | 20-Aug-2020 01:41 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 244    |                      | 2.00 | 5.00            | mg/L  | 10                 | 25-Aug-2020 13:54 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-4  
 Collection Date: 13-Aug-2020 11:10

**ANALYTICAL REPORT**

WorkOrder:HS20080737  
 Lab ID:HS20080737-04  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 21-Aug-2020 03:03 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 03:03 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 03:03 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 03:03 |
| Surr: 1,2-Dichloroethane-d4 | 94.1   |                      |      | 70-126          | %REC  | 1                  | 21-Aug-2020 03:03 |
| Surr: 4-Bromofluorobenzene  | 94.2   |                      |      | 82-124          | %REC  | 1                  | 21-Aug-2020 03:03 |
| Surr: Dibromofluoromethane  | 101    |                      |      | 77-123          | %REC  | 1                  | 21-Aug-2020 03:03 |
| Surr: Toluene-d8            | 99.1   |                      |      | 82-127          | %REC  | 1                  | 21-Aug-2020 03:03 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 234    |                      | 2.00 | 5.00            | mg/L  | 10                 | 25-Aug-2020 14:12 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-5  
 Collection Date: 13-Aug-2020 11:30

**ANALYTICAL REPORT**

WorkOrder:HS20080737  
 Lab ID:HS20080737-05  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 21-Aug-2020 01:23 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 01:23 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 01:23 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 01:23 |
| Surr: 1,2-Dichloroethane-d4 | 86.9   |                      |      | 70-126          | %REC  | 1                  | 21-Aug-2020 01:23 |
| Surr: 4-Bromofluorobenzene  | 96.1   |                      |      | 82-124          | %REC  | 1                  | 21-Aug-2020 01:23 |
| Surr: Dibromofluoromethane  | 91.8   |                      |      | 77-123          | %REC  | 1                  | 21-Aug-2020 01:23 |
| Surr: Toluene-d8            | 108    |                      |      | 82-127          | %REC  | 1                  | 21-Aug-2020 01:23 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 708    |                      | 10.0 | 25.0            | mg/L  | 50                 | 25-Aug-2020 14:30 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-6  
 Collection Date: 13-Aug-2020 12:05

**ANALYTICAL REPORT**

WorkOrder:HS20080737  
 Lab ID:HS20080737-06  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 21-Aug-2020 04:40 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 04:40 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 04:40 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 04:40 |
| Surr: 1,2-Dichloroethane-d4 | 93.5   |                      |      | 70-126          | %REC  | 1                  | 21-Aug-2020 04:40 |
| Surr: 4-Bromofluorobenzene  | 95.5   |                      |      | 82-124          | %REC  | 1                  | 21-Aug-2020 04:40 |
| Surr: Dibromofluoromethane  | 99.9   |                      |      | 77-123          | %REC  | 1                  | 21-Aug-2020 04:40 |
| Surr: Toluene-d8            | 99.4   |                      |      | 82-127          | %REC  | 1                  | 21-Aug-2020 04:40 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 105    |                      | 2.00 | 5.00            | mg/L  | 10                 | 25-Aug-2020 14:48 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-7  
 Collection Date: 13-Aug-2020 14:30

## ANALYTICAL REPORT

WorkOrder:HS20080737  
 Lab ID:HS20080737-07  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 21-Aug-2020 08:44 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 08:44 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 08:44 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 08:44 |
| Surr: 1,2-Dichloroethane-d4 | 95.4   |                      |      | 70-126          | %REC  | 1                  | 21-Aug-2020 08:44 |
| Surr: 4-Bromofluorobenzene  | 94.2   |                      |      | 82-124          | %REC  | 1                  | 21-Aug-2020 08:44 |
| Surr: Dibromofluoromethane  | 101    |                      |      | 77-123          | %REC  | 1                  | 21-Aug-2020 08:44 |
| Surr: Toluene-d8            | 98.5   |                      |      | 82-127          | %REC  | 1                  | 21-Aug-2020 08:44 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 1,040  |                      | 10.0 | 25.0            | mg/L  | 50                 | 25-Aug-2020 15:06 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-8  
 Collection Date: 13-Aug-2020 10:15

**ANALYTICAL REPORT**

WorkOrder:HS20080737  
 Lab ID:HS20080737-08  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:09 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:09 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:09 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:09 |
| Surr: 1,2-Dichloroethane-d4 | 96.3   |                      |      | 70-126          | %REC  | 1                  | 21-Aug-2020 09:09 |
| Surr: 4-Bromofluorobenzene  | 94.5   |                      |      | 82-124          | %REC  | 1                  | 21-Aug-2020 09:09 |
| Surr: Dibromofluoromethane  | 102    |                      |      | 77-123          | %REC  | 1                  | 21-Aug-2020 09:09 |
| Surr: Toluene-d8            | 98.1   |                      |      | 82-127          | %REC  | 1                  | 21-Aug-2020 09:09 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 257    |                      | 2.00 | 5.00            | mg/L  | 10                 | 25-Aug-2020 15:24 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: MW-9  
 Collection Date: 13-Aug-2020 10:05

**ANALYTICAL REPORT**

WorkOrder:HS20080737  
 Lab ID:HS20080737-09  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:33 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:33 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:33 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:33 |
| Surr: 1,2-Dichloroethane-d4 | 94.4   |                      |      | 70-126          | %REC  | 1                  | 21-Aug-2020 09:33 |
| Surr: 4-Bromofluorobenzene  | 93.2   |                      |      | 82-124          | %REC  | 1                  | 21-Aug-2020 09:33 |
| Surr: Dibromofluoromethane  | 101    |                      |      | 77-123          | %REC  | 1                  | 21-Aug-2020 09:33 |
| Surr: Toluene-d8            | 98.3   |                      |      | 82-127          | %REC  | 1                  | 21-Aug-2020 09:33 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 111    |                      | 2.00 | 5.00            | mg/L  | 10                 | 25-Aug-2020 16:18 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: DUP  
 Collection Date: 13-Aug-2020 00:00

**ANALYTICAL REPORT**

WorkOrder:HS20080737  
 Lab ID:HS20080737-10  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:57 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:57 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:57 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 21-Aug-2020 09:57 |
| Surr: 1,2-Dichloroethane-d4 | 94.6   |                      |      | 70-126          | %REC  | 1                  | 21-Aug-2020 09:57 |
| Surr: 4-Bromofluorobenzene  | 94.1   |                      |      | 82-124          | %REC  | 1                  | 21-Aug-2020 09:57 |
| Surr: Dibromofluoromethane  | 100    |                      |      | 77-123          | %REC  | 1                  | 21-Aug-2020 09:57 |
| Surr: Toluene-d8            | 98.5   |                      |      | 82-127          | %REC  | 1                  | 21-Aug-2020 09:57 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |      |                 |       | Analyst: YP        |                   |
| Chloride                    | 723    |                      | 10.0 | 25.0            | mg/L  | 50                 | 25-Aug-2020 16:36 |

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

## ALS Houston, US

Date: 27-Aug-20

Client: Glenn Springs Holdings, Inc.  
 Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
 Sample ID: Trip Blank  
 Collection Date: 13-Aug-2020 00:00

## ANALYTICAL REPORT

WorkOrder:HS20080737  
 Lab ID:HS20080737-11  
 Matrix:Water

| ANALYSES                    | RESULT | QUAL                 | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-----------------------------|--------|----------------------|------|-----------------|-------|--------------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |      |                 |       | Analyst: PC        |                   |
| Benzene                     | U      |                      | 0.60 | 5.0             | ug/L  | 1                  | 19-Aug-2020 15:16 |
| Ethylbenzene                | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 19-Aug-2020 15:16 |
| Toluene                     | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 19-Aug-2020 15:16 |
| Xylenes, Total              | U      |                      | 0.50 | 5.0             | ug/L  | 1                  | 19-Aug-2020 15:16 |
| Surr: 1,2-Dichloroethane-d4 | 88.3   |                      |      | 70-126          | %REC  | 1                  | 19-Aug-2020 15:16 |
| Surr: 4-Bromofluorobenzene  | 97.4   |                      |      | 82-124          | %REC  | 1                  | 19-Aug-2020 15:16 |
| Surr: Dibromofluoromethane  | 91.3   |                      |      | 77-123          | %REC  | 1                  | 19-Aug-2020 15:16 |
| Surr: Toluene-d8            | 106    |                      |      | 82-127          | %REC  | 1                  | 19-Aug-2020 15:16 |

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

ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                        | Leachate Date | Prep Date | Analysis Date              | DF |
|--------------------------------|----------------|----------------------------------------|---------------|-----------|----------------------------|----|
| <b>Batch ID:</b> R367091 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |               |           | <b>Matrix:</b> Water       |    |
| HS20080737-11                  | Trip Blank     | 13 Aug 2020 00:00                      |               |           | 19 Aug 2020 15:16          | 1  |
| <b>Batch ID:</b> R367091 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |               |           | <b>Matrix:</b> Groundwater |    |
| HS20080737-01                  | MW-1           | 13 Aug 2020 13:10                      |               |           | 19 Aug 2020 18:53          | 1  |
| HS20080737-02                  | MW-2           | 13 Aug 2020 13:20                      |               |           | 19 Aug 2020 19:17          | 1  |
| <b>Batch ID:</b> R367100 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |               |           | <b>Matrix:</b> Groundwater |    |
| HS20080737-03                  | MW-3           | 13 Aug 2020 12:10                      |               |           | 20 Aug 2020 01:41          | 1  |
| <b>Batch ID:</b> R367188 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |               |           | <b>Matrix:</b> Groundwater |    |
| HS20080737-05                  | MW-5           | 13 Aug 2020 11:30                      |               |           | 21 Aug 2020 01:23          | 1  |
| <b>Batch ID:</b> R367202 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |               |           | <b>Matrix:</b> Groundwater |    |
| HS20080737-04                  | MW-4           | 13 Aug 2020 11:10                      |               |           | 21 Aug 2020 03:03          | 1  |
| HS20080737-06                  | MW-6           | 13 Aug 2020 12:05                      |               |           | 21 Aug 2020 04:40          | 1  |
| HS20080737-07                  | MW-7           | 13 Aug 2020 14:30                      |               |           | 21 Aug 2020 08:44          | 1  |
| HS20080737-08                  | MW-8           | 13 Aug 2020 10:15                      |               |           | 21 Aug 2020 09:09          | 1  |
| HS20080737-09                  | MW-9           | 13 Aug 2020 10:05                      |               |           | 21 Aug 2020 09:33          | 1  |
| HS20080737-10                  | DUP            | 13 Aug 2020 00:00                      |               |           | 21 Aug 2020 09:57          | 1  |
| <b>Batch ID:</b> R367487 ( 0 ) |                | <b>Test Name :</b> ANIONS BY E300.0    |               |           | <b>Matrix:</b> Groundwater |    |
| HS20080737-01                  | MW-1           | 13 Aug 2020 13:10                      |               |           | 25 Aug 2020 12:42          | 50 |
| HS20080737-02                  | MW-2           | 13 Aug 2020 13:20                      |               |           | 25 Aug 2020 13:00          | 10 |
| HS20080737-03                  | MW-3           | 13 Aug 2020 12:10                      |               |           | 25 Aug 2020 13:54          | 10 |
| HS20080737-04                  | MW-4           | 13 Aug 2020 11:10                      |               |           | 25 Aug 2020 14:12          | 10 |
| HS20080737-05                  | MW-5           | 13 Aug 2020 11:30                      |               |           | 25 Aug 2020 14:30          | 50 |
| HS20080737-06                  | MW-6           | 13 Aug 2020 12:05                      |               |           | 25 Aug 2020 14:48          | 10 |
| HS20080737-07                  | MW-7           | 13 Aug 2020 14:30                      |               |           | 25 Aug 2020 15:06          | 50 |
| HS20080737-08                  | MW-8           | 13 Aug 2020 10:15                      |               |           | 25 Aug 2020 15:24          | 10 |
| HS20080737-09                  | MW-9           | 13 Aug 2020 10:05                      |               |           | 25 Aug 2020 16:18          | 10 |
| HS20080737-10                  | DUP            | 13 Aug 2020 00:00                      |               |           | 25 Aug 2020 16:36          | 50 |

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

## QC BATCH REPORT

| Batch ID: R367091 ( 0 )     |                         | Instrument: VOA6 |         | Method: VOLATILES - SW8260C      |      |               |               |      |                |
|-----------------------------|-------------------------|------------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| <b>MBLK</b>                 | Sample ID: VBLKW-200819 | Units: ug/L      |         | Analysis Date: 19-Aug-2020 12:04 |      |               |               |      |                |
| Client ID:                  | Run ID: VOA6_367091     | SeqNo: 5707409   |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                  | PQL              | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | 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 | 43.99                   | 0                | 50      | 0                                | 88.0 | 70 - 130      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 47.44                   | 0                | 50      | 0                                | 94.9 | 82 - 115      |               |      |                |
| Surr: Dibromofluoromethane  | 46.07                   | 0                | 50      | 0                                | 92.1 | 73 - 126      |               |      |                |
| Surr: Toluene-d8            | 53.28                   | 0                | 50      | 0                                | 107  | 81 - 120      |               |      |                |

| <b>LCS</b>                  | Sample ID: VLCSW-200819 | Units: ug/L    |         | Analysis Date: 19-Aug-2020 11:16 |      |               |               |      |                |
|-----------------------------|-------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID:                  | Run ID: VOA6_367091     | SeqNo: 5707408 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                  | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Benzene                     | 20.63                   | 5.0            | 20      | 0                                | 103  | 74 - 120      |               |      |                |
| Ethylbenzene                | 17.87                   | 5.0            | 20      | 0                                | 89.3 | 77 - 117      |               |      |                |
| Toluene                     | 19.85                   | 5.0            | 20      | 0                                | 99.2 | 77 - 118      |               |      |                |
| Xylenes, Total              | 54.12                   | 5.0            | 60      | 0                                | 90.2 | 75 - 122      |               |      |                |
| Surr: 1,2-Dichloroethane-d4 | 46.51                   | 0              | 50      | 0                                | 93.0 | 70 - 130      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 46.87                   | 0              | 50      | 0                                | 93.7 | 82 - 115      |               |      |                |
| Surr: Dibromofluoromethane  | 47.72                   | 0              | 50      | 0                                | 95.4 | 73 - 126      |               |      |                |
| Surr: Toluene-d8            | 48.49                   | 0              | 50      | 0                                | 97.0 | 81 - 120      |               |      |                |

| <b>MS</b>                   | Sample ID: HS20080738-02MS | Units: ug/L    |         | Analysis Date: 19-Aug-2020 13:40 |      |               |               |      |                |
|-----------------------------|----------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID:                  | Run ID: VOA6_367091        | SeqNo: 5707411 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                     | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Benzene                     | 25.62                      | 5.0            | 20      | 0                                | 128  | 70 - 127      |               |      | S              |
| Ethylbenzene                | 26.17                      | 5.0            | 20      | 0                                | 131  | 70 - 124      |               |      | S              |
| Toluene                     | 26.33                      | 5.0            | 20      | 0                                | 132  | 70 - 123      |               |      | S              |
| Xylenes, Total              | 76.99                      | 5.0            | 60      | 0                                | 128  | 70 - 130      |               |      |                |
| Surr: 1,2-Dichloroethane-d4 | 44.85                      | 0              | 50      | 0                                | 89.7 | 70 - 126      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 47.79                      | 0              | 50      | 0                                | 95.6 | 82 - 124      |               |      |                |
| Surr: Dibromofluoromethane  | 46.9                       | 0              | 50      | 0                                | 93.8 | 77 - 123      |               |      |                |
| Surr: Toluene-d8            | 52.45                      | 0              | 50      | 0                                | 105  | 82 - 127      |               |      |                |

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

## QC BATCH REPORT

| Batch ID: R367091 ( 0 )                            |        | Instrument: VOA6            |         | Method: VOLATILES - SW8260C |      |                                  |               |       |           |      |
|----------------------------------------------------|--------|-----------------------------|---------|-----------------------------|------|----------------------------------|---------------|-------|-----------|------|
| <b>MSD</b>                                         |        | Sample ID: HS20080738-02MSD |         | Units: ug/L                 |      | Analysis Date: 19-Aug-2020 14:04 |               |       |           |      |
| Client ID:                                         |        | Run ID: VOA6_367091         |         | SeqNo: 5707412              |      | PrepDate:                        |               | DF: 1 |           |      |
| Analyte                                            | Result | PQL                         | SPK Val | SPK Ref Value               | %REC | Control Limit                    | RPD Ref Value | %RPD  | RPD Limit | Qual |
| Benzene                                            | 24.32  | 5.0                         | 20      | 0                           | 122  | 70 - 127                         | 25.62         | 5.2   | 20        |      |
| Ethylbenzene                                       | 24.84  | 5.0                         | 20      | 0                           | 124  | 70 - 124                         | 26.17         | 5.23  | 20        | S    |
| Toluene                                            | 25     | 5.0                         | 20      | 0                           | 125  | 70 - 123                         | 26.33         | 5.2   | 20        | S    |
| Xylenes, Total                                     | 74.29  | 5.0                         | 60      | 0                           | 124  | 70 - 130                         | 76.99         | 3.57  | 20        |      |
| Surr: 1,2-Dichloroethane-d4                        | 44.24  | 0                           | 50      | 0                           | 88.5 | 70 - 126                         | 44.85         | 1.39  | 20        |      |
| Surr: 4-Bromofluorobenzene                         | 47.89  | 0                           | 50      | 0                           | 95.8 | 82 - 124                         | 47.79         | 0.215 | 20        |      |
| Surr: Dibromofluoromethane                         | 46.05  | 0                           | 50      | 0                           | 92.1 | 77 - 123                         | 46.9          | 1.83  | 20        |      |
| Surr: Toluene-d8                                   | 52.62  | 0                           | 50      | 0                           | 105  | 82 - 127                         | 52.45         | 0.326 | 20        |      |
| The following samples were analyzed in this batch: |        |                             |         |                             |      |                                  |               |       |           |      |
| HS20080737-01                                      |        | HS20080737-02               |         | HS20080737-11               |      |                                  |               |       |           |      |

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

## QC BATCH REPORT

| Batch ID: R367100 ( 0 )     |                         | Instrument: VOA6 |         | Method: VOLATILES - SW8260C      |      |               |               |      |                |
|-----------------------------|-------------------------|------------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| <b>MBLK</b>                 | Sample ID: VBLKW-200819 | Units: ug/L      |         | Analysis Date: 20-Aug-2020 00:29 |      |               |               |      |                |
| Client ID:                  | Run ID: VOA6_367100     | SeqNo: 5707829   |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                  | PQL              | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | 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 | 43.53                   | 0                | 50      | 0                                | 87.1 | 70 - 130      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 48.75                   | 0                | 50      | 0                                | 97.5 | 82 - 115      |               |      |                |
| Surr: Dibromofluoromethane  | 46.01                   | 0                | 50      | 0                                | 92.0 | 73 - 126      |               |      |                |
| Surr: Toluene-d8            | 53.63                   | 0                | 50      | 0                                | 107  | 81 - 120      |               |      |                |

| <b>LCS</b>                  | Sample ID: VLCSW-200819 | Units: ug/L    |         | Analysis Date: 19-Aug-2020 23:41 |      |               |               |      |                |
|-----------------------------|-------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID:                  | Run ID: VOA6_367100     | SeqNo: 5707828 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                  | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Benzene                     | 19.75                   | 5.0            | 20      | 0                                | 98.7 | 74 - 120      |               |      |                |
| Ethylbenzene                | 18.51                   | 5.0            | 20      | 0                                | 92.5 | 77 - 117      |               |      |                |
| Toluene                     | 19.59                   | 5.0            | 20      | 0                                | 97.9 | 77 - 118      |               |      |                |
| Xylenes, Total              | 56.11                   | 5.0            | 60      | 0                                | 93.5 | 75 - 122      |               |      |                |
| Surr: 1,2-Dichloroethane-d4 | 50.22                   | 0              | 50      | 0                                | 100  | 70 - 130      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 48.63                   | 0              | 50      | 0                                | 97.3 | 82 - 115      |               |      |                |
| Surr: Dibromofluoromethane  | 51.01                   | 0              | 50      | 0                                | 102  | 73 - 126      |               |      |                |
| Surr: Toluene-d8            | 50.9                    | 0              | 50      | 0                                | 102  | 81 - 120      |               |      |                |

| <b>MS</b>                   | Sample ID: HS20080737-03MS | Units: ug/L    |         | Analysis Date: 20-Aug-2020 02:29 |      |               |               |      |                |
|-----------------------------|----------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: MW-3             | Run ID: VOA6_367100        | SeqNo: 5707831 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                     | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Benzene                     | 23.52                      | 5.0            | 20      | 0                                | 118  | 70 - 127      |               |      |                |
| Ethylbenzene                | 24.53                      | 5.0            | 20      | 0                                | 123  | 70 - 124      |               |      |                |
| Toluene                     | 23.87                      | 5.0            | 20      | 0                                | 119  | 70 - 123      |               |      |                |
| Xylenes, Total              | 73.37                      | 5.0            | 60      | 0                                | 122  | 70 - 130      |               |      |                |
| Surr: 1,2-Dichloroethane-d4 | 43.29                      | 0              | 50      | 0                                | 86.6 | 70 - 126      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 48.18                      | 0              | 50      | 0                                | 96.4 | 82 - 124      |               |      |                |
| Surr: Dibromofluoromethane  | 46.16                      | 0              | 50      | 0                                | 92.3 | 77 - 123      |               |      |                |
| Surr: Toluene-d8            | 52.43                      | 0              | 50      | 0                                | 105  | 82 - 127      |               |      |                |

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

## QC BATCH REPORT

| Batch ID: R367100 ( 0 )     |        | Instrument: VOA6            |         | Method: VOLATILES - SW8260C |      |                                  |               |       |                |
|-----------------------------|--------|-----------------------------|---------|-----------------------------|------|----------------------------------|---------------|-------|----------------|
| <b>MSD</b>                  |        | Sample ID: HS20080737-03MSD |         | Units: ug/L                 |      | Analysis Date: 20-Aug-2020 02:53 |               |       |                |
| Client ID: MW-3             |        | Run ID: VOA6_367100         |         | SeqNo: 5707832              |      | PrepDate:                        |               | DF: 1 |                |
| Analyte                     | Result | PQL                         | SPK Val | SPK Ref Value               | %REC | Control Limit                    | RPD Ref Value | %RPD  | RPD Limit Qual |
| Benzene                     | 22.56  | 5.0                         | 20      | 0                           | 113  | 70 - 127                         | 23.52         | 4.18  | 20             |
| Ethylbenzene                | 23.13  | 5.0                         | 20      | 0                           | 116  | 70 - 124                         | 24.53         | 5.88  | 20             |
| Toluene                     | 23.22  | 5.0                         | 20      | 0                           | 116  | 70 - 123                         | 23.87         | 2.76  | 20             |
| Xylenes, Total              | 69.09  | 5.0                         | 60      | 0                           | 115  | 70 - 130                         | 73.37         | 6     | 20             |
| Surr: 1,2-Dichloroethane-d4 | 42.77  | 0                           | 50      | 0                           | 85.5 | 70 - 126                         | 43.29         | 1.19  | 20             |
| Surr: 4-Bromofluorobenzene  | 47.42  | 0                           | 50      | 0                           | 94.8 | 82 - 124                         | 48.18         | 1.59  | 20             |
| Surr: Dibromofluoromethane  | 46.52  | 0                           | 50      | 0                           | 93.0 | 77 - 123                         | 46.16         | 0.782 | 20             |
| Surr: Toluene-d8            | 52.09  | 0                           | 50      | 0                           | 104  | 82 - 127                         | 52.43         | 0.647 | 20             |

The following samples were analyzed in this batch: HS20080737-03

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

## QC BATCH REPORT

| Batch ID: R367188 ( 0 )     |                         | Instrument: VOA6 |         | Method: VOLATILES - SW8260C      |      |               |               |      |                |
|-----------------------------|-------------------------|------------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| <b>MBLK</b>                 | Sample ID: VBLKW-200820 | Units: ug/L      |         | Analysis Date: 21-Aug-2020 00:58 |      |               |               |      |                |
| Client ID:                  | Run ID: VOA6_367188     | SeqNo: 5709517   |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                  | PQL              | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | 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 | 43.31                   | 0                | 50      | 0                                | 86.6 | 70 - 130      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 48.57                   | 0                | 50      | 0                                | 97.1 | 82 - 115      |               |      |                |
| Surr: Dibromofluoromethane  | 46.08                   | 0                | 50      | 0                                | 92.2 | 73 - 126      |               |      |                |
| Surr: Toluene-d8            | 53.14                   | 0                | 50      | 0                                | 106  | 81 - 120      |               |      |                |

| <b>LCS</b>                  | Sample ID: VLCSW-200820 | Units: ug/L    |         | Analysis Date: 21-Aug-2020 00:10 |      |               |               |      |                |
|-----------------------------|-------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID:                  | Run ID: VOA6_367188     | SeqNo: 5709516 |         | 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  | 74 - 120      |               |      |                |
| Ethylbenzene                | 19.18                   | 5.0            | 20      | 0                                | 95.9 | 77 - 117      |               |      |                |
| Toluene                     | 20.19                   | 5.0            | 20      | 0                                | 101  | 77 - 118      |               |      |                |
| Xylenes, Total              | 58.45                   | 5.0            | 60      | 0                                | 97.4 | 75 - 122      |               |      |                |
| Surr: 1,2-Dichloroethane-d4 | 49.93                   | 0              | 50      | 0                                | 99.9 | 70 - 130      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 48.92                   | 0              | 50      | 0                                | 97.8 | 82 - 115      |               |      |                |
| Surr: Dibromofluoromethane  | 50.91                   | 0              | 50      | 0                                | 102  | 73 - 126      |               |      |                |
| Surr: Toluene-d8            | 51.79                   | 0              | 50      | 0                                | 104  | 81 - 120      |               |      |                |

| <b>MS</b>                   | Sample ID: HS20080737-05MS | Units: ug/L    |         | Analysis Date: 21-Aug-2020 02:11 |      |               |               |      |                |
|-----------------------------|----------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: MW-5             | Run ID: VOA6_367188        | SeqNo: 5709519 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                     | Result                     | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Benzene                     | 23.11                      | 5.0            | 20      | 0                                | 116  | 70 - 127      |               |      |                |
| Ethylbenzene                | 22.69                      | 5.0            | 20      | 0                                | 113  | 70 - 124      |               |      |                |
| Toluene                     | 23.29                      | 5.0            | 20      | 0                                | 116  | 70 - 123      |               |      |                |
| Xylenes, Total              | 66.9                       | 5.0            | 60      | 0                                | 112  | 70 - 130      |               |      |                |
| Surr: 1,2-Dichloroethane-d4 | 43.48                      | 0              | 50      | 0                                | 87.0 | 70 - 126      |               |      |                |
| Surr: 4-Bromofluorobenzene  | 47.67                      | 0              | 50      | 0                                | 95.3 | 82 - 124      |               |      |                |
| Surr: Dibromofluoromethane  | 46.55                      | 0              | 50      | 0                                | 93.1 | 77 - 123      |               |      |                |
| Surr: Toluene-d8            | 52.04                      | 0              | 50      | 0                                | 104  | 82 - 127      |               |      |                |

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

## QC BATCH REPORT

| Batch ID: R367188 ( 0 )     |        | Instrument: VOA6            |         | Method: VOLATILES - SW8260C |      |                                  |               |        |                |
|-----------------------------|--------|-----------------------------|---------|-----------------------------|------|----------------------------------|---------------|--------|----------------|
| <b>MSD</b>                  |        | Sample ID: HS20080737-05MSD |         | Units: ug/L                 |      | Analysis Date: 21-Aug-2020 02:35 |               |        |                |
| Client ID: MW-5             |        | Run ID: VOA6_367188         |         | SeqNo: 5709520              |      | PrepDate:                        |               | DF: 1  |                |
| Analyte                     | Result | PQL                         | SPK Val | SPK Ref Value               | %REC | Control Limit                    | RPD Ref Value | %RPD   | RPD Limit Qual |
| Benzene                     | 22.16  | 5.0                         | 20      | 0                           | 111  | 70 - 127                         | 23.11         | 4.19   | 20             |
| Ethylbenzene                | 21.91  | 5.0                         | 20      | 0                           | 110  | 70 - 124                         | 22.69         | 3.51   | 20             |
| Toluene                     | 22.88  | 5.0                         | 20      | 0                           | 114  | 70 - 123                         | 23.29         | 1.75   | 20             |
| Xylenes, Total              | 65.49  | 5.0                         | 60      | 0                           | 109  | 70 - 130                         | 66.9          | 2.13   | 20             |
| Surr: 1,2-Dichloroethane-d4 | 43.59  | 0                           | 50      | 0                           | 87.2 | 70 - 126                         | 43.48         | 0.251  | 20             |
| Surr: 4-Bromofluorobenzene  | 47.24  | 0                           | 50      | 0                           | 94.5 | 82 - 124                         | 47.67         | 0.91   | 20             |
| Surr: Dibromofluoromethane  | 46.52  | 0                           | 50      | 0                           | 93.0 | 77 - 123                         | 46.55         | 0.0627 | 20             |
| Surr: Toluene-d8            | 52.41  | 0                           | 50      | 0                           | 105  | 82 - 127                         | 52.04         | 0.716  | 20             |

The following samples were analyzed in this batch: HS20080737-05

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

## QC BATCH REPORT

| Batch ID: R367202 ( 0 ) |                         | Instrument: VOA9 |         | Method: VOLATILES - SW8260C      |      |               |               |      |                |
|-------------------------|-------------------------|------------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| <b>MBLK</b>             | Sample ID: VBLKW-200820 | Units: ug/L      |         | Analysis Date: 21-Aug-2020 01:00 |      |               |               |      |                |
| Client ID:              | Run ID: VOA9_367202     | SeqNo: 5709702   |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte                 | Result                  | PQL              | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | 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 | 46.02 | 0   | 50 | 0 | 92.0 | 70 - 130 |  |  |  |
| Surr: 4-Bromofluorobenzene  | 46.99 | 0   | 50 | 0 | 94.0 | 82 - 115 |  |  |  |
| Surr: Dibromofluoromethane  | 49.37 | 0   | 50 | 0 | 98.7 | 73 - 126 |  |  |  |
| Surr: Toluene-d8            | 49.6  | 0   | 50 | 0 | 99.2 | 81 - 120 |  |  |  |

| <b>LCS</b> | Sample ID: VLCSW-200820 | Units: ug/L    |         | Analysis Date: 21-Aug-2020 00:12 |      |               |               |      |                |
|------------|-------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: | Run ID: VOA9_367202     | SeqNo: 5709701 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte    | Result                  | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |

|                             |       |     |    |   |      |          |  |  |  |
|-----------------------------|-------|-----|----|---|------|----------|--|--|--|
| Benzene                     | 19.88 | 5.0 | 20 | 0 | 99.4 | 74 - 120 |  |  |  |
| Ethylbenzene                | 19.79 | 5.0 | 20 | 0 | 99.0 | 77 - 117 |  |  |  |
| Toluene                     | 19.34 | 5.0 | 20 | 0 | 96.7 | 77 - 118 |  |  |  |
| Xylenes, Total              | 60.35 | 5.0 | 60 | 0 | 101  | 75 - 122 |  |  |  |
| Surr: 1,2-Dichloroethane-d4 | 45.72 | 0   | 50 | 0 | 91.4 | 70 - 130 |  |  |  |
| Surr: 4-Bromofluorobenzene  | 50.55 | 0   | 50 | 0 | 101  | 82 - 115 |  |  |  |
| Surr: Dibromofluoromethane  | 50.01 | 0   | 50 | 0 | 100  | 73 - 126 |  |  |  |
| Surr: Toluene-d8            | 50.09 | 0   | 50 | 0 | 100  | 81 - 120 |  |  |  |

| <b>MS</b>       | Sample ID: HS20080737-04MS | Units: ug/L    |         | Analysis Date: 21-Aug-2020 03:51 |      |               |               |      |                |
|-----------------|----------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: MW-4 | Run ID: VOA9_367202        | SeqNo: 5709704 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte         | Result                     | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |

|                             |       |     |    |   |      |          |  |  |  |
|-----------------------------|-------|-----|----|---|------|----------|--|--|--|
| Benzene                     | 20.67 | 5.0 | 20 | 0 | 103  | 70 - 127 |  |  |  |
| Ethylbenzene                | 20.34 | 5.0 | 20 | 0 | 102  | 70 - 124 |  |  |  |
| Toluene                     | 20.31 | 5.0 | 20 | 0 | 102  | 70 - 123 |  |  |  |
| Xylenes, Total              | 63.59 | 5.0 | 60 | 0 | 106  | 70 - 130 |  |  |  |
| Surr: 1,2-Dichloroethane-d4 | 46.06 | 0   | 50 | 0 | 92.1 | 70 - 126 |  |  |  |
| Surr: 4-Bromofluorobenzene  | 49.54 | 0   | 50 | 0 | 99.1 | 82 - 124 |  |  |  |
| Surr: Dibromofluoromethane  | 48.76 | 0   | 50 | 0 | 97.5 | 77 - 123 |  |  |  |
| Surr: Toluene-d8            | 49.89 | 0   | 50 | 0 | 99.8 | 82 - 127 |  |  |  |

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

## QC BATCH REPORT

| Batch ID: R367202 ( 0 )                            |        | Instrument: VOA9            |         | Method: VOLATILES - SW8260C |      |                                  |               |               |                |
|----------------------------------------------------|--------|-----------------------------|---------|-----------------------------|------|----------------------------------|---------------|---------------|----------------|
| MSD                                                |        | Sample ID: HS20080737-04MSD |         | Units: ug/L                 |      | Analysis Date: 21-Aug-2020 04:16 |               |               |                |
| Client ID: MW-4                                    |        | Run ID: VOA9_367202         |         | SeqNo: 5709705              |      | PrepDate:                        |               | DF: 1         |                |
| Analyte                                            | Result | PQL                         | SPK Val | SPK Ref Value               | %REC | Control Limit                    | RPD Ref Value | %RPD          | RPD Limit Qual |
| Benzene                                            | 20.3   | 5.0                         | 20      | 0                           | 101  | 70 - 127                         | 20.67         | 1.82          | 20             |
| Ethylbenzene                                       | 19.97  | 5.0                         | 20      | 0                           | 99.8 | 70 - 124                         | 20.34         | 1.85          | 20             |
| Toluene                                            | 19.91  | 5.0                         | 20      | 0                           | 99.5 | 70 - 123                         | 20.31         | 1.98          | 20             |
| Xylenes, Total                                     | 61.54  | 5.0                         | 60      | 0                           | 103  | 70 - 130                         | 63.59         | 3.27          | 20             |
| Surr: 1,2-Dichloroethane-d4                        | 45.67  | 0                           | 50      | 0                           | 91.3 | 70 - 126                         | 46.06         | 0.85          | 20             |
| Surr: 4-Bromofluorobenzene                         | 50.21  | 0                           | 50      | 0                           | 100  | 82 - 124                         | 49.54         | 1.35          | 20             |
| Surr: Dibromofluoromethane                         | 48.75  | 0                           | 50      | 0                           | 97.5 | 77 - 123                         | 48.76         | 0.00553       | 20             |
| Surr: Toluene-d8                                   | 50.06  | 0                           | 50      | 0                           | 100  | 82 - 127                         | 49.89         | 0.349         | 20             |
| The following samples were analyzed in this batch: |        | HS20080737-04               |         | HS20080737-06               |      | HS20080737-07                    |               | HS20080737-08 |                |
|                                                    |        | HS20080737-09               |         | HS20080737-10               |      |                                  |               |               |                |

## ALS Houston, US

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

## QC BATCH REPORT

| Batch ID: R367487 ( 0 )                            |                              | Instrument: ICS-Integrion |         | Method: ANIONS BY E300.0         |       |               |               |          |                |
|----------------------------------------------------|------------------------------|---------------------------|---------|----------------------------------|-------|---------------|---------------|----------|----------------|
| MBLK                                               | Sample ID: MBLK-082520       | Units: mg/L               |         | Analysis Date: 25-Aug-2020 09:59 |       |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_367487 | SeqNo: 5715904            |         | 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: LCS-082520        | Units: mg/L               |         | Analysis Date: 25-Aug-2020 10:17 |       |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_367487 | SeqNo: 5715905            |         | PrepDate:                        |       | DF: 1         |               |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC  | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 19.41                        | 0.500                     | 20      | 0                                | 97.0  | 90 - 110      |               |          |                |
| MS                                                 | Sample ID: HS20081070-02MS   | Units: mg/L               |         | Analysis Date: 25-Aug-2020 18:06 |       |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_367487 | SeqNo: 5715927            |         | PrepDate:                        |       | DF: 2         |               |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC  | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 1873                         | 1.00                      | 20      | 1881                             | -40.5 | 80 - 120      |               |          | SEO            |
| MS                                                 | Sample ID: HS20080737-02MS   | Units: mg/L               |         | Analysis Date: 25-Aug-2020 13:18 |       |               |               |          |                |
| Client ID: MW-2                                    | Run ID: ICS-Integrion_367487 | SeqNo: 5715912            |         | PrepDate:                        |       | DF: 10        |               |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC  | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 279.4                        | 5.00                      | 100     | 189.8                            | 89.6  | 80 - 120      |               |          |                |
| MSD                                                | Sample ID: HS20081070-02MSD  | Units: mg/L               |         | Analysis Date: 25-Aug-2020 18:25 |       |               |               |          |                |
| Client ID:                                         | Run ID: ICS-Integrion_367487 | SeqNo: 5715928            |         | PrepDate:                        |       | DF: 2         |               |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC  | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 1879                         | 1.00                      | 20      | 1881                             | -8.27 | 80 - 120      | 1873          | 0.344    | 20 SEO         |
| MSD                                                | Sample ID: HS20080737-02MSD  | Units: mg/L               |         | Analysis Date: 25-Aug-2020 13:36 |       |               |               |          |                |
| Client ID: MW-2                                    | Run ID: ICS-Integrion_367487 | SeqNo: 5715913            |         | PrepDate:                        |       | DF: 10        |               |          |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC  | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                                           | 280.3                        | 5.00                      | 100     | 189.8                            | 90.5  | 80 - 120      | 279.4         | 0.322    | 20             |
| The following samples were analyzed in this batch: |                              |                           |         |                                  |       |               |               |          |                |
| HS20080737-01                                      |                              | HS20080737-02             |         | HS20080737-03                    |       | HS20080737-04 |               |          |                |
| HS20080737-05                                      |                              | HS20080737-06             |         | HS20080737-07                    |       | HS20080737-08 |               |          |                |
| HS20080737-09                                      |                              | HS20080737-10             |         |                                  |       |               |               |          |                |

**ALS Houston, US**

Date: 27-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20080737

**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 Quantitation Limit        |
| SD             | Serial Dilution                     |
| SDL            | Sample Detection Limit              |
| TRRP           | Texas Risk Reduction Program        |

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

ALS Houston, US

Date: 27-Aug-20

---

**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

---

| Agency          | Number               | Expire Date |
|-----------------|----------------------|-------------|
| Arkansas        | 20-030-0             | 26-Mar-2021 |
| California      | 2919, 2020-2021      | 30-Apr-2021 |
| Dept of Defense | ANAB L2231 V010      | 22-Dec-2021 |
| Florida         | E87611-30-07/01/2020 | 30-Jun-2021 |
| Illinois        | 2000322020-4         | 09-May-2021 |
| Kentucky        | 123043, 2020-2021    | 30-Apr-2021 |
| Louisiana       | 03087, 2020-2021     | 30-Jun-2021 |
| Maryland        | 343, 2019-2020       | 30-Sep-2020 |
| North Carolina  | 624-2020             | 31-Dec-2020 |
| North Dakota    | R-193 2020-2021      | 30-Apr-2021 |
| Oklahoma        | 2019-141             | 31-Aug-2020 |
| Texas           | T104704231-20-26     | 30-Apr-2021 |

ALS Houston, US

Date: 27-Aug-20

## Sample Receipt Checklist

Work Order ID: HS20080737

Date/Time Received: 18-Aug-2020 09:50

Client Name: Glen Springs/CRA

Received by: Jared R. Makan

|                                    |                   |                                  |                   |
|------------------------------------|-------------------|----------------------------------|-------------------|
| Completed By: /S/ Niles D. Ranchod | 18-Aug-2020 18:12 | Reviewed by: /S/ Dane J. Wacasey | 19-Aug-2020 18:27 |
| eSignature                         | Date/Time         | eSignature                       | Date/Time         |

Matrices: WaterCarrier 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:225068/225067                           |
| 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 type="checkbox"/>            | No <input checked="" 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):                          | 1.2°C UC/C IR # 31                      |                                        |                                                 |
| Cooler(s)/Kit(s):                                       | 45713                                   |                                        |                                                 |
| Date/Time sample(s) sent to storage:                    | 08/18/2020 19:00                        |                                        |                                                 |
| 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 checked="" type="checkbox"/> | N/A <input type="checkbox"/>                    |
| pH adjusted?                                            | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/>                    |
| pH adjusted by:                                         |                                         |                                        |                                                 |

Login Notes: MW-5: 1 of 3 Vials Broken. No collection times on COC. Labels = MW-1 13:10, MW-2 13:20, MW-3 12:10, MW-4 11:20, MW-5 11:30, MW-6 12:05, MW-7 14:30, MW-8 10:15 , & MW-9 10:05 .  
Sample MW-4 Received for 55628 PXP Hill EC ABC TB separate WO: HS20080614

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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

## Chain of Custody Form

Page 1 of 2

COC ID: 225068

HS20080737

Glenn Springs Holdings, Inc.  
55627DM GSHI PXP Hill E.C. Federal #7 TB

WV



| Customer Information |                                |  | Project Information |                                          |  | ALS Project Manager: |                               |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|--------------------------------|--|---------------------|------------------------------------------|--|----------------------|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order       | 4502201559 ENV749-402-D02-1100 |  | Project Name        | 55627DM GSHI PXP Hill E.C. Federal #7 TB |  | A                    | 8260_W (8260 BTEX)            |  |  |  |  |  |  |  |  |  |  |  |
| Work Order           |                                |  | Project Number      | 55627DM                                  |  | B                    | 300_W (300 Chloride)          |  |  |  |  |  |  |  |  |  |  |  |
| Company Name         | Glenn Springs Holdings, Inc.   |  | Bill To Company     | Glenn Springs Holdings, Inc.             |  | C                    | 8260_W (8260 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@tetratech.com     |  | e-Mail Address      | Chem_GSH@oxy.com                         |  | J                    |                               |  |  |  |  |  |  |  |  |  |  |  |

| No. | Sample Description | Date    | Time | Matrix   | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|---------|------|----------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | MW-1               | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 2   | MW-2               | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 3   | MW-3               | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 4   | MW-4               | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 5   | MW-5               | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 6   | MW-6               | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 7   | MW-7               | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 8   | MW-8               | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 9   | MW-9               | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 10  | DUP                | 8-13-20 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |

|                                                                                                                                                                              |  |                          |                |                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                              |  |                       |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|--|
| Sampler(s) Please Print & Sign<br><i>Preston B. Bant</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>[Signature]</i>                                                                                                                                       |  | Date:<br>8-17-20         | Time:<br>1600  | Received by:                                                                                                                                                                                       |  | Notes: [GSHI PXP Hill EC Federal 7 TB]                                                                                                                                                                                                                                                                       |  |                       |  |
| Relinquished by:                                                                                                                                                             |  | Date:<br>8/18/20         | Time:<br>09:50 | Received by (Laboratory):<br><i>J. M. [Signature]</i>                                                                                                                                              |  | Cooler ID<br>45713                                                                                                                                                                                                                                                                                           |  | Cooler Temp.<br>1.2°C |  |
| Logged by (Laboratory):                                                                                                                                                      |  | Date:                    | Time:          | Checked by (Laboratory):                                                                                                                                                                           |  | QC Package: (Check One Box Below)<br><input checked="" type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP Checklist<br><input type="checkbox"/> Level III Std QC/Raw Date <input type="checkbox"/> TRRP Level IV<br><input type="checkbox"/> Level IV SWB/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 |  |                          |                |                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                              |  |                       |  |

ote: 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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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

HS20080737

Glenn Springs Holdings, Inc.  
55627DM GSHI PXP Hill E.C. Federal #7 TB

i, WV

Page 2 of 2

COC ID: 225067



| Customer Information |                                | Project Information |                                          | ALS Project Manager: |                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|--------------------------------|---------------------|------------------------------------------|----------------------|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order       | 4502201559 ENV749-402-D02-1100 | Project Name        | 55627DM GSHI PXP Hill E.C. Federal #7 TB | A                    | 8260_W (8260 BTEX)            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Work Order           |                                | Project Number      | 55627DM                                  | B                    | 300_W (300 Chloride)          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Company Name         | Glenn Springs Holdings, Inc.   | Bill To Company     | Glenn Springs Holdings, Inc.             | C                    | 8260_W (8260 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@tetratech.com     | e-Mail Address      | Chem_GSH@oxy.com                         | J                    |                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|------|------|--------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | Trip Blank         |      |      | Water  | 1,8   | 2         |   |   | X |   |   |   |   |   |   |   |      |
| 2   |                    |      |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 3   |                    |      |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 4   |                    |      |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 5   |                    |      |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 6   |                    |      |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 7   |                    |      |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 8   |                    |      |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 9   |                    |      |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 0   |                    |      |      |        |       |           |   |   |   |   |   |   |   |   |   |   |      |

|                                                                    |  |                           |  |                                                                                                                                                                                                                                                                           |  |                   |  |
|--------------------------------------------------------------------|--|---------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|
| Sampler(s) Please Print & Sign                                     |  | Shipment Method           |  | Required Turnaround Time: (Check Box)                                                                                                                                                                                                                                     |  | Results Due Date: |  |
| <i>Preston Poitevent</i><br><i>Mike Carmona</i>                    |  | FedEx                     |  | <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                                                                                                                 |  |                   |  |
| Relinquished by: <i>Mike Carmona</i><br>Date: 8-17-20   Time: 1600 |  | Received by:              |  | Notes: [GSHI PXP Hill EC Federal 7 TB]                                                                                                                                                                                                                                    |  |                   |  |
| Relinquished by:<br>Date:   Time:                                  |  | Received by (Laboratory): |  | Cooler ID   Cooler Temp.   QC Package: (Check One Box Below)                                                                                                                                                                                                              |  |                   |  |
| Logged by (Laboratory):<br>Date:   Time:                           |  | Checked by (Laboratory):  |  | <input checked="" type="checkbox"/> Level II Std OC <input type="checkbox"/> TRRP Checklist<br><input type="checkbox"/> Level III Std QC/Raw Date <input type="checkbox"/> TRRP Level IV<br><input type="checkbox"/> Level IV SWB4B/CLP<br><input type="checkbox"/> Other |  |                   |  |

Reservative 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

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 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>             |                   | Seal Broken By: <i>SM</i> |
|                                                                                                                                                                                                       | Date: <i>8-12-20</i>            | Time: <i>1600</i> | Date: <i>08/18/20</i>     |
|                                                                                                                                                                                                       | Name: <i>Tristan R. Stewart</i> |                   |                           |
|                                                                                                                                                                                                       | Company: <i>TE</i>              |                   |                           |

45713 AUG 18 2020



Must Deliver Next Business Day  
Time and Temperature Sensitive!

45713

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

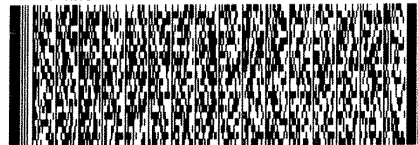
SHIP DATE: 06AUG20  
 ACTWGT: 1.00 LB MAN  
 CAD: 300130/CAFE3211  
 DIMS: 26x14x14 IN

TO **CLIENT SERVICES**  
**ALS LABORATORY GROUP**  
**10450 STANCLIFF ROAD**  
**SUITE 210**  
**HOUSTON TX 77099**

(281) 630-6666

REF: #7TB-BQ 73206-DW

RMA: 11111111



FedEx Express

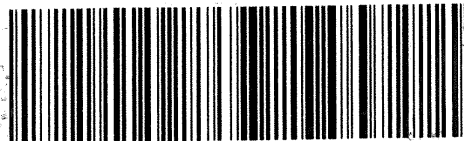


FedEx  
 TRK# 1891 8879 0521  
 0221

TUE - 18 AUG 10:30A  
 PRIORITY OVERNIGHT

AB SGRA

77099  
 TX-US IAH



#3785566 08/17 568J2/7709/8766



---

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

August 31, 2020

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

Work Order: **HS20081161**

Laboratory Results for: **55627DM GSHI PXP Hill E.C. Federal #7 TB**

Dear Mike Carmona,

ALS Environmental received 7 sample(s) on Aug 26, 2020 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,

Generated By: DANE.WACASEY

Dane J. Wacasey

## ALS Houston, US

Date: 31-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20081161

## SAMPLE SUMMARY

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|-------------|-------|-------------------|-------------------|--------------------------|
| HS20081161-01 | MW-7 - 1         | Groundwater |       | 17-Aug-2020 10:00 | 26-Aug-2020 10:00 | <input type="checkbox"/> |
| HS20081161-02 | MW-7 - 2         | Groundwater |       | 17-Aug-2020 10:45 | 26-Aug-2020 10:00 | <input type="checkbox"/> |
| HS20081161-03 | MW-7 - 3         | Groundwater |       | 17-Aug-2020 11:35 | 26-Aug-2020 10:00 | <input type="checkbox"/> |
| HS20081161-04 | MW-7 - 4         | Groundwater |       | 17-Aug-2020 12:13 | 26-Aug-2020 10:00 | <input type="checkbox"/> |
| HS20081161-05 | MW-7 - 5         | Groundwater |       | 17-Aug-2020 13:00 | 26-Aug-2020 10:00 | <input type="checkbox"/> |
| HS20081161-06 | MW-7 - 6         | Groundwater |       | 17-Aug-2020 13:45 | 26-Aug-2020 10:00 | <input type="checkbox"/> |
| HS20081161-07 | DUP              | Groundwater |       | 17-Aug-2020 00:00 | 26-Aug-2020 10:00 | <input type="checkbox"/> |

**ALS Houston, US**

Date: 31-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20081161

**CASE NARRATIVE**

**WetChemistry by Method E300**

**Batch ID: R367720**

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

**ALS Houston, US**

Date: 31-Aug-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 1  
Collection Date: 17-Aug-2020 10:00

**ANALYTICAL REPORT**

WorkOrder:HS20081161  
Lab ID:HS20081161-01  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      |                 |       | Analyst: YP        |                   |
| Chloride                | 836    |                    | 10.0 | 25.0            | mg/L  | 50                 | 29-Aug-2020 13:27 |

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

**ALS Houston, US**

Date: 31-Aug-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 2  
Collection Date: 17-Aug-2020 10:45

**ANALYTICAL REPORT**

WorkOrder:HS20081161  
Lab ID:HS20081161-02  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: YP       |
| Chloride         | 813         |      | 10.0 | 25.0            | mg/L  | 50                 | 29-Aug-2020 13:45 |

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

**ALS Houston, US**

Date: 31-Aug-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 3  
Collection Date: 17-Aug-2020 11:35

**ANALYTICAL REPORT**

WorkOrder:HS20081161  
Lab ID:HS20081161-03  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      |                 |       | Analyst: YP        |                   |
| Chloride                | 854    |                    | 10.0 | 25.0            | mg/L  | 50                 | 29-Aug-2020 14:39 |

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

**ALS Houston, US**

Date: 31-Aug-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 4  
Collection Date: 17-Aug-2020 12:13

**ANALYTICAL REPORT**

WorkOrder:HS20081161  
Lab ID:HS20081161-04  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      | Analyst: YP     |       |                    |                   |
| Chloride                | 918    |                    | 10.0 | 25.0            | mg/L  | 50                 | 29-Aug-2020 14:57 |

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

## ALS Houston, US

Date: 31-Aug-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 5  
Collection Date: 17-Aug-2020 13:00

**ANALYTICAL REPORT**

WorkOrder:HS20081161  
Lab ID:HS20081161-05  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: YP       |
| Chloride         | 943         |      | 10.0 | 25.0            | mg/L  | 50                 | 29-Aug-2020 15:51 |

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

**ALS Houston, US**

Date: 31-Aug-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 6  
Collection Date: 17-Aug-2020 13:45

**ANALYTICAL REPORT**

WorkOrder:HS20081161  
Lab ID:HS20081161-06  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      |                 |       | Analyst: YP        |                   |
| Chloride                | 970    |                    | 10.0 | 25.0            | mg/L  | 50                 | 29-Aug-2020 16:09 |

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

## ALS Houston, US

Date: 31-Aug-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: DUP  
Collection Date: 17-Aug-2020 00:00

## ANALYTICAL REPORT

WorkOrder:HS20081161  
Lab ID:HS20081161-07  
Matrix:Groundwater

| ANALYSES         | RESULT      | QUAL | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|-------------|------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 | Method:E300 |      |      |                 |       |                    | Analyst: YP       |
| Chloride         | 949         |      | 10.0 | 25.0            | mg/L  | 50                 | 29-Aug-2020 16:27 |

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

ALS Houston, US

Date: 31-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20081161

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                     | Leachate Date | Prep Date | Analysis Date              | DF |
|--------------------------------|----------------|-------------------------------------|---------------|-----------|----------------------------|----|
| <b>Batch ID:</b> R367720 ( 0 ) |                | <b>Test Name :</b> ANIONS BY E300.0 |               |           | <b>Matrix:</b> Groundwater |    |
| HS20081161-01                  | MW-7 - 1       | 17 Aug 2020 10:00                   |               |           | 29 Aug 2020 13:27          | 50 |
| HS20081161-02                  | MW-7 - 2       | 17 Aug 2020 10:45                   |               |           | 29 Aug 2020 13:45          | 50 |
| HS20081161-03                  | MW-7 - 3       | 17 Aug 2020 11:35                   |               |           | 29 Aug 2020 14:39          | 50 |
| HS20081161-04                  | MW-7 - 4       | 17 Aug 2020 12:13                   |               |           | 29 Aug 2020 14:57          | 50 |
| HS20081161-05                  | MW-7 - 5       | 17 Aug 2020 13:00                   |               |           | 29 Aug 2020 15:51          | 50 |
| HS20081161-06                  | MW-7 - 6       | 17 Aug 2020 13:45                   |               |           | 29 Aug 2020 16:09          | 50 |
| HS20081161-07                  | DUP            | 17 Aug 2020 00:00                   |               |           | 29 Aug 2020 16:27          | 50 |

## ALS Houston, US

Date: 31-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20081161

## QC BATCH REPORT

| Batch ID: R367720 ( 0 )                            |                              | Instrument: ICS-Integrion |         | Method: ANIONS BY E300.0         |      |               |               |       |                |
|----------------------------------------------------|------------------------------|---------------------------|---------|----------------------------------|------|---------------|---------------|-------|----------------|
| MBLK                                               | Sample ID: MBLK-082820       | Units: mg/L               |         | Analysis Date: 28-Aug-2020 12:04 |      |               |               |       |                |
| Client ID:                                         | Run ID: ICS-Integrion_367720 | SeqNo: 5720630            |         | PrepDate:                        |      | DF: 1         |               |       |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Chloride                                           | U                            | 0.500                     |         |                                  |      |               |               |       |                |
| LCS                                                | Sample ID: LCS-082820        | Units: mg/L               |         | Analysis Date: 28-Aug-2020 12:22 |      |               |               |       |                |
| Client ID:                                         | Run ID: ICS-Integrion_367720 | SeqNo: 5720631            |         | PrepDate:                        |      | DF: 1         |               |       |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Chloride                                           | 19.36                        | 0.500                     | 20      | 0                                | 96.8 | 90 - 110      |               |       |                |
| MS                                                 | Sample ID: HS20081161-04MS   | Units: mg/L               |         | Analysis Date: 29-Aug-2020 15:15 |      |               |               |       |                |
| Client ID: MW-7 - 4                                | Run ID: ICS-Integrion_367720 | SeqNo: 5720658            |         | PrepDate:                        |      | DF: 50        |               |       |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Chloride                                           | 1476                         | 25.0                      | 500     | 918.4                            | 112  | 80 - 120      |               |       |                |
| MS                                                 | Sample ID: HS20081002-07MS   | Units: mg/L               |         | Analysis Date: 29-Aug-2020 12:15 |      |               |               |       |                |
| Client ID:                                         | Run ID: ICS-Integrion_367720 | SeqNo: 5720648            |         | PrepDate:                        |      | DF: 10        |               |       |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Chloride                                           | 179.2                        | 5.00                      | 100     | 83.35                            | 95.8 | 80 - 120      |               |       |                |
| MSD                                                | Sample ID: HS20081161-04MSD  | Units: mg/L               |         | Analysis Date: 29-Aug-2020 15:33 |      |               |               |       |                |
| Client ID: MW-7 - 4                                | Run ID: ICS-Integrion_367720 | SeqNo: 5720659            |         | PrepDate:                        |      | DF: 50        |               |       |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Chloride                                           | 1410                         | 25.0                      | 500     | 918.4                            | 98.2 | 80 - 120      | 1476          | 4.62  | 20             |
| MSD                                                | Sample ID: HS20081002-07MSD  | Units: mg/L               |         | Analysis Date: 29-Aug-2020 12:33 |      |               |               |       |                |
| Client ID:                                         | Run ID: ICS-Integrion_367720 | SeqNo: 5720649            |         | PrepDate:                        |      | DF: 10        |               |       |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Chloride                                           | 179.6                        | 5.00                      | 100     | 83.35                            | 96.3 | 80 - 120      | 179.2         | 0.273 | 20             |
| The following samples were analyzed in this batch: |                              |                           |         |                                  |      |               |               |       |                |
| HS20081161-01                                      |                              | HS20081161-02             |         | HS20081161-03                    |      | HS20081161-04 |               |       |                |
| HS20081161-05                                      |                              | HS20081161-06             |         | HS20081161-07                    |      |               |               |       |                |

**ALS Houston, US**

Date: 31-Aug-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20081161

**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 Quantitation 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: 31-Aug-20

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

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| Agency          | Number               | Expire Date |
|-----------------|----------------------|-------------|
| Arkansas        | 20-030-0             | 26-Mar-2021 |
| California      | 2919, 2020-2021      | 30-Apr-2021 |
| Dept of Defense | ANAB L2231 V010      | 22-Dec-2021 |
| Florida         | E87611-30-07/01/2020 | 30-Jun-2021 |
| Illinois        | 2000322020-4         | 09-May-2021 |
| Kentucky        | 123043, 2020-2021    | 30-Apr-2021 |
| Louisiana       | 03087, 2020-2021     | 30-Jun-2021 |
| Maryland        | 343, 2019-2020       | 30-Sep-2020 |
| North Carolina  | 624-2020             | 31-Dec-2020 |
| North Dakota    | R-193 2020-2021      | 30-Apr-2021 |
| Texas           | T104704231-20-26     | 30-Apr-2021 |

ALS Houston, US

Date: 31-Aug-20

## Sample Receipt Checklist

Work Order ID: HS20081161

Date/Time Received: 26-Aug-2020 10:00

Client Name: Glen Springs/CRA

Received by: Paresh M. Giga

| Completed By: /S/ Jared R. Makan | 26-Aug-2020 16:46 | Reviewed by: /S/ Dane J. Wacasey | 31-Aug-2020 17:57 |
|----------------------------------|-------------------|----------------------------------|-------------------|
| eSignature                       | Date/Time         | eSignature                       | Date/Time         |

Matrices: WaterCarrier 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"/> |                                                 |
| 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):

1.2°C/1.2°C UC/C

IR31

Cooler(s)/Kit(s):

Red

Date/Time sample(s) sent to storage:

08/26/2020 16:50

Water - VOA vials have zero headspace?

Yes ☐No ☐

No VOA vials submitted

☒

Water - pH acceptable upon receipt?

Yes ☐No ☐N/A ☒

pH adjusted?

Yes ☐No ☐N/A ☒

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



☒ ALS Laboratory Group  
 10450 Stancliff Rd. #210  
 Houston, Texas 77099  
 (Tel) 281.530.5656  
 (Fax) 281.530.5887

## Chain of Custody Form

Page 1 of 1

Glenn Springs Holdings, Inc.  
 55627DM GSHI PXP Hill E.C. Federal #7 TB



ALS Project Manager:

| Customer Information                                                                          |                             | Project Information |                                      |                                                                                                                                                                                                                                                                                               |       |           | Parameter/Method Request for Analysis |   |   |                   |   |   |   |   |   |   |      |  |
|-----------------------------------------------------------------------------------------------|-----------------------------|---------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|---------------------------------------|---|---|-------------------|---|---|---|---|---|---|------|--|
| Purchase Order                                                                                |                             | Project Name        | 55627DM GSHIPXP Hill E.C. Federal #7 |                                                                                                                                                                                                                                                                                               |       | A         | 300_W (Chloride)                      |   |   |                   |   |   |   |   |   |   |      |  |
| Work Order                                                                                    |                             | Project Number      |                                      |                                                                                                                                                                                                                                                                                               |       | B         |                                       |   |   |                   |   |   |   |   |   |   |      |  |
| Company Name                                                                                  | Glenn Springs Holdings, Inc | Bill To Company     | Glenn Springs Holdings, Inc          |                                                                                                                                                                                                                                                                                               |       | C         |                                       |   |   |                   |   |   |   |   |   |   |      |  |
| Send Report To                                                                                | Mike Carmona                | Invoice Attn.       | AP                                   |                                                                                                                                                                                                                                                                                               |       | 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@tetratech.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-7 - 1                    | 8/17/20             | 10:00                                | GW                                                                                                                                                                                                                                                                                            | 8     | 1         | X                                     |   |   |                   |   |   |   |   |   |   |      |  |
| 2                                                                                             | MW-7 - 2                    | 8/17/20             | 10:45                                | GW                                                                                                                                                                                                                                                                                            | 8     | 1         | X                                     |   |   |                   |   |   |   |   |   |   |      |  |
| 3                                                                                             | MW-7 - 3                    | 8/17/20             | 11:35                                | GW                                                                                                                                                                                                                                                                                            | 8     | 1         | X                                     |   |   |                   |   |   |   |   |   |   |      |  |
| 4                                                                                             | MW-7 - 4                    | 8/17/20             | 12:13                                | GW                                                                                                                                                                                                                                                                                            | 8     | 1         | X                                     |   |   |                   |   |   |   |   |   |   |      |  |
| 5                                                                                             | MW-7 - 5                    | 8/17/20             | 13:00                                | GW                                                                                                                                                                                                                                                                                            | 8     | 1         | X                                     |   |   |                   |   |   |   |   |   |   |      |  |
| 6                                                                                             | MW-7 - 6                    | 8/17/20             | 13:45                                | GW                                                                                                                                                                                                                                                                                            | 8     | 1         | X                                     |   |   |                   |   |   |   |   |   |   |      |  |
| 7                                                                                             | DUP                         |                     |                                      | GW                                                                                                                                                                                                                                                                                            | 8     | 1         | X                                     |   |   |                   |   |   |   |   |   |   |      |  |
| 8                                                                                             |                             |                     |                                      |                                                                                                                                                                                                                                                                                               |       |           |                                       |   |   |                   |   |   |   |   |   |   |      |  |
| 9                                                                                             |                             |                     |                                      |                                                                                                                                                                                                                                                                                               |       |           |                                       |   |   |                   |   |   |   |   |   |   |      |  |
| 10                                                                                            |                             |                     |                                      |                                                                                                                                                                                                                                                                                               |       |           |                                       |   |   |                   |   |   |   |   |   |   |      |  |
| Sampler(s): Please Print & Sign                                                               |                             | Shipment Method:    |                                      | Required Turnaround Time:                                                                                                                                                                                                                                                                     |       |           | Other                                 |   |   | Results Due Date: |   |   |   |   |   |   |      |  |
| Matthew Castrejon                                                                             |                             |                     |                                      | <input type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour                                                                                                                                                |       |           |                                       |   |   |                   |   |   |   |   |   |   |      |  |
| Relinquished by:                                                                              | Date:                       | Time:               | Received by:                         | Notes: GSHI PXP Hill EC Federal 7 TB                                                                                                                                                                                                                                                          |       |           |                                       |   |   |                   |   |   |   |   |   |   |      |  |
| Relinquished by:                                                                              | Date:                       | Time:               | Received by (Laboratory):            | Cooler Temp. 51C                                                                                                                                                                                                                                                                              |       |           |                                       |   |   |                   |   |   |   |   |   |   |      |  |
| Logged by (Laboratory):                                                                       | Date:                       | Time:               | Checked by (Laboratory):             | QC Package: (Check Box Below)<br><input checked="" type="checkbox"/> Level II: Standard QC<br><input type="checkbox"/> Level III: Std QC + Raw Data<br><input type="checkbox"/> Level IV: SW846 CLP-Like<br><input type="checkbox"/> TRRP-Checklist<br><input type="checkbox"/> TRRP Level IV |       |           |                                       |   |   |                   |   |   |   |   |   |   |      |  |
| Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NAOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035 |                             |                     |                                      | Other:                                                                                                                                                                                                                                                                                        |       |           |                                       |   |   |                   |   |   |   |   |   |   |      |  |

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.

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|                                                                                   |                                |                        |
|-----------------------------------------------------------------------------------|--------------------------------|------------------------|
|  | <b>ALS</b>                     |                        |
|                                                                                   | 10450 Stancliff Rd., Suite 210 |                        |
|                                                                                   | Houston, Texas 77099           | Date: <u>8/28</u>      |
|                                                                                   | Tel. +1 281 530 5656           | Name: <u>John Tech</u> |
|                                                                                   | Fax. +1 281 530 5887           | Company:               |

|                     |                   |             |
|---------------------|-------------------|-------------|
| <b>CUSTODY SEAL</b> |                   | Seal Brk    |
| <u>25-20</u>        | Time: <u>1630</u> | <u>8/28</u> |
| <u>John Tech</u>    |                   |             |



TRK# 1891 8879 5604

RETURNS MON-SAT  
PRIORITY OVERNIGHT

77099

TX-US





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10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
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December 04, 2020

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

Work Order: **HS20111013**

Laboratory Results for: **55627DM GSHI PXP Hill E.C. Federal #7 TB**

Dear Mike Carmona,

ALS Environmental received 6 sample(s) on Nov 19, 2020 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,

Generated By: JUMOKE.LAWAL

Dane J. Wacasey

**ALS Houston, US**

Date: 04-Dec-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20111013

**SAMPLE SUMMARY**

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|-------------|-------|-------------------|-------------------|--------------------------|
| HS20111013-01 | MW-7 - 1         | Groundwater |       | 17-Nov-2020 10:35 | 19-Nov-2020 09:55 | <input type="checkbox"/> |
| HS20111013-02 | MW-7 - 2         | Groundwater |       | 17-Nov-2020 11:40 | 19-Nov-2020 09:55 | <input type="checkbox"/> |
| HS20111013-03 | MW-7 - 3         | Groundwater |       | 17-Nov-2020 12:40 | 19-Nov-2020 09:55 | <input type="checkbox"/> |
| HS20111013-04 | MW-7 - 4         | Groundwater |       | 17-Nov-2020 13:35 | 19-Nov-2020 09:55 | <input type="checkbox"/> |
| HS20111013-05 | MW-7 - 5         | Groundwater |       | 17-Nov-2020 14:30 | 19-Nov-2020 09:55 | <input type="checkbox"/> |
| HS20111013-06 | MW-7 - 6         | Groundwater |       | 17-Nov-2020 15:25 | 19-Nov-2020 09:55 | <input type="checkbox"/> |

**ALS Houston, US**

Date: 04-Dec-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**Work Order:** HS20111013

**CASE NARRATIVE**

**WetChemistry by Method E300**

**Batch ID: R373967**

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

**ALS Houston, US**

Date: 04-Dec-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 1  
Collection Date: 17-Nov-2020 10:35

**ANALYTICAL REPORT**

WorkOrder:HS20111013  
Lab ID:HS20111013-01  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      |                 |       | Analyst: YP        |                   |
| Chloride                | 1,180  |                    | 20.0 | 50.0            | mg/L  | 100                | 03-Dec-2020 21:26 |

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

**ALS Houston, US**

Date: 04-Dec-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 2  
Collection Date: 17-Nov-2020 11:40

**ANALYTICAL REPORT**

WorkOrder:HS20111013  
Lab ID:HS20111013-02  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      |                 |       | Analyst: YP        |                   |
| Chloride                | 1,070  |                    | 20.0 | 50.0            | mg/L  | 100                | 03-Dec-2020 21:44 |

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

**ALS Houston, US**

Date: 04-Dec-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 3  
Collection Date: 17-Nov-2020 12:40

**ANALYTICAL REPORT**

WorkOrder:HS20111013  
Lab ID:HS20111013-03  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      |                 |       | Analyst: YP        |                   |
| Chloride                | 1,020  |                    | 10.0 | 25.0            | mg/L  | 50                 | 03-Dec-2020 22:38 |

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

**ALS Houston, US**

Date: 04-Dec-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 4  
Collection Date: 17-Nov-2020 13:35

**ANALYTICAL REPORT**

WorkOrder:HS20111013  
Lab ID:HS20111013-04  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      |                 |       | Analyst: YP        |                   |
| Chloride                | 1,000  |                    | 10.0 | 25.0            | mg/L  | 50                 | 03-Dec-2020 23:32 |

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

**ALS Houston, US**

Date: 04-Dec-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 5  
Collection Date: 17-Nov-2020 14:30

**ANALYTICAL REPORT**

WorkOrder:HS20111013  
Lab ID:HS20111013-05  
Matrix:Groundwater

| ANALYSES                | RESULT | QUAL               | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------|--------|--------------------|------|-----------------|-------|--------------------|-------------------|
| <b>ANIONS BY E300.0</b> |        | <b>Method:E300</b> |      |                 |       | Analyst: YP        |                   |
| Chloride                | 895    |                    | 10.0 | 25.0            | mg/L  | 50                 | 03-Dec-2020 23:51 |

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

**ALS Houston, US**

Date: 04-Dec-20

Client: Glenn Springs Holdings, Inc.  
Project: 55627DM GSHI PXP Hill E.C. Federal #7 TB  
Sample ID: MW-7 - 6  
Collection Date: 17-Nov-2020 15:25

**ANALYTICAL REPORT**

WorkOrder:HS20111013  
Lab ID:HS20111013-06  
Matrix:Groundwater

| ANALYSES         | RESULT | QUAL        | MDL  | REPORT<br>LIMIT | UNITS | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|------------------|--------|-------------|------|-----------------|-------|--------------------|-------------------|
| ANIONS BY E300.0 |        | Method:E300 |      |                 |       | Analyst: YP        |                   |
| Chloride         | 746    |             | 10.0 | 25.0            | mg/L  | 50                 | 04-Dec-2020 00:09 |

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

ALS Houston, US

Date: 04-Dec-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20111013

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                     | Leachate Date | Prep Date | Analysis Date              | DF  |
|--------------------------------|----------------|-------------------------------------|---------------|-----------|----------------------------|-----|
| <b>Batch ID:</b> R373967 ( 0 ) |                | <b>Test Name :</b> ANIONS BY E300.0 |               |           | <b>Matrix:</b> Groundwater |     |
| HS20111013-01                  | MW-7 - 1       | 17 Nov 2020 10:35                   |               |           | 03 Dec 2020 21:26          | 100 |
| HS20111013-02                  | MW-7 - 2       | 17 Nov 2020 11:40                   |               |           | 03 Dec 2020 21:44          | 100 |
| HS20111013-03                  | MW-7 - 3       | 17 Nov 2020 12:40                   |               |           | 03 Dec 2020 22:38          | 50  |
| HS20111013-04                  | MW-7 - 4       | 17 Nov 2020 13:35                   |               |           | 03 Dec 2020 23:32          | 50  |
| HS20111013-05                  | MW-7 - 5       | 17 Nov 2020 14:30                   |               |           | 03 Dec 2020 23:51          | 50  |
| HS20111013-06                  | MW-7 - 6       | 17 Nov 2020 15:25                   |               |           | 04 Dec 2020 00:09          | 50  |

## ALS Houston, US

Date: 04-Dec-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20111013

## QC BATCH REPORT

| Batch ID: R373967 ( 0 )    |                                     | Instrument: ICS-Integrion |                       | Method: ANIONS BY E300.0                |           |               |                |          |                |
|----------------------------|-------------------------------------|---------------------------|-----------------------|-----------------------------------------|-----------|---------------|----------------|----------|----------------|
| <b>MBLK</b>                | Sample ID: <b>MBLK-120320</b>       | Units: <b>mg/L</b>        |                       | Analysis Date: <b>03-Dec-2020 13:14</b> |           |               |                |          |                |
| Client ID:                 | Run ID: <b>ICS-Integrion_373967</b> |                           | SeqNo: <b>5864052</b> |                                         | PrepDate: |               | DF: <b>1</b>   |          |                |
| Analyte                    | Result                              | PQL                       | SPK Val               | SPK Ref Value                           | %REC      | Control Limit | RPD Ref Value  | RPD %RPD | RPD Limit Qual |
| Chloride                   | U                                   | 0.500                     |                       |                                         |           |               |                |          |                |
| <b>LCS</b>                 | Sample ID: <b>LCS-120320</b>        | Units: <b>mg/L</b>        |                       | Analysis Date: <b>03-Dec-2020 13:32</b> |           |               |                |          |                |
| Client ID:                 | Run ID: <b>ICS-Integrion_373967</b> |                           | SeqNo: <b>5864053</b> |                                         | PrepDate: |               | DF: <b>1</b>   |          |                |
| Analyte                    | Result                              | PQL                       | SPK Val               | SPK Ref Value                           | %REC      | Control Limit | RPD Ref Value  | RPD %RPD | RPD Limit Qual |
| Chloride                   | 19.26                               | 0.500                     | 20                    | 0                                       | 96.3      | 90 - 110      |                |          |                |
| <b>MS</b>                  | Sample ID: <b>HS20120145-04MS</b>   | Units: <b>mg/L</b>        |                       | Analysis Date: <b>03-Dec-2020 19:55</b> |           |               |                |          |                |
| Client ID:                 | Run ID: <b>ICS-Integrion_373967</b> |                           | SeqNo: <b>5864063</b> |                                         | PrepDate: |               | DF: <b>1</b>   |          |                |
| Analyte                    | Result                              | PQL                       | SPK Val               | SPK Ref Value                           | %REC      | Control Limit | RPD Ref Value  | RPD %RPD | RPD Limit Qual |
| Chloride                   | 13.96                               | 0.500                     | 10                    | 3.746                                   | 102       | 80 - 120      |                |          |                |
| <b>MS</b>                  | Sample ID: <b>HS20111013-02MS</b>   | Units: <b>mg/L</b>        |                       | Analysis Date: <b>03-Dec-2020 22:02</b> |           |               |                |          |                |
| Client ID: <b>MW-7 - 2</b> | Run ID: <b>ICS-Integrion_373967</b> |                           | SeqNo: <b>5864070</b> |                                         | PrepDate: |               | DF: <b>100</b> |          |                |
| Analyte                    | Result                              | PQL                       | SPK Val               | SPK Ref Value                           | %REC      | Control Limit | RPD Ref Value  | RPD %RPD | RPD Limit Qual |
| Chloride                   | 2014                                | 50.0                      | 1000                  | 1070                                    | 94.4      | 80 - 120      |                |          |                |
| <b>MS</b>                  | Sample ID: <b>HS20110726-03MS</b>   | Units: <b>mg/L</b>        |                       | Analysis Date: <b>04-Dec-2020 05:17</b> |           |               |                |          |                |
| Client ID:                 | Run ID: <b>ICS-Integrion_373967</b> |                           | SeqNo: <b>5864081</b> |                                         | PrepDate: |               | DF: <b>200</b> |          |                |
| Analyte                    | Result                              | PQL                       | SPK Val               | SPK Ref Value                           | %REC      | Control Limit | RPD Ref Value  | RPD %RPD | RPD Limit Qual |
| Chloride                   | 6573                                | 100                       | 2000                  | 4754                                    | 91.0      | 80 - 120      |                |          |                |
| <b>MSD</b>                 | Sample ID: <b>HS20120145-04MSD</b>  | Units: <b>mg/L</b>        |                       | Analysis Date: <b>03-Dec-2020 20:13</b> |           |               |                |          |                |
| Client ID:                 | Run ID: <b>ICS-Integrion_373967</b> |                           | SeqNo: <b>5864064</b> |                                         | PrepDate: |               | DF: <b>1</b>   |          |                |
| Analyte                    | Result                              | PQL                       | SPK Val               | SPK Ref Value                           | %REC      | Control Limit | RPD Ref Value  | RPD %RPD | RPD Limit Qual |
| Chloride                   | 13.68                               | 0.500                     | 10                    | 3.746                                   | 99.4      | 80 - 120      | 13.96          | 1.98     | 20             |

## ALS Houston, US

Date: 04-Dec-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20111013

## QC BATCH REPORT

| Batch ID: R373967 ( 0 )                            |                              | Instrument: ICS-Integrion |         | Method: ANIONS BY E300.0         |      |               |               |       |                |
|----------------------------------------------------|------------------------------|---------------------------|---------|----------------------------------|------|---------------|---------------|-------|----------------|
| MSD                                                | Sample ID: HS20111013-02MSD  | Units: mg/L               |         | Analysis Date: 03-Dec-2020 22:20 |      |               |               |       |                |
| Client ID: MW-7 - 2                                | Run ID: ICS-Integrion_373967 | SeqNo: 5864071            |         | PrepDate:                        |      | DF: 100       |               |       |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Chloride                                           | 2005                         | 50.0                      | 1000    | 1070                             | 93.5 | 80 - 120      | 2014          | 0.443 | 20             |
| MSD                                                | Sample ID: HS20110726-03MSD  | Units: mg/L               |         | Analysis Date: 04-Dec-2020 05:35 |      |               |               |       |                |
| Client ID:                                         | Run ID: ICS-Integrion_373967 | SeqNo: 5864082            |         | PrepDate:                        |      | DF: 200       |               |       |                |
| Analyte                                            | Result                       | PQL                       | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Chloride                                           | 6424                         | 100                       | 2000    | 4754                             | 83.5 | 80 - 120      | 6573          | 2.3   | 20             |
| The following samples were analyzed in this batch: |                              |                           |         |                                  |      |               |               |       |                |
| HS20111013-01                                      |                              | HS20111013-02             |         | HS20111013-03                    |      | HS20111013-04 |               |       |                |
| HS20111013-05                                      |                              | HS20111013-06             |         |                                  |      |               |               |       |                |

**ALS Houston, US**

Date: 04-Dec-20

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55627DM GSHI PXP Hill E.C. Federal #7 TB  
**WorkOrder:** HS20111013

**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 Quantitation 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: 04-Dec-20

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

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| Agency          | Number               | Expire Date |
|-----------------|----------------------|-------------|
| Arkansas        | 20-030-0             | 26-Mar-2021 |
| California      | 2919, 2020-2021      | 30-Apr-2021 |
| Dept of Defense | PJLA L20-507         | 22-Dec-2021 |
| Florida         | E87611-30-07/01/2020 | 30-Jun-2021 |
| Illinois        | 2000322020-4         | 09-May-2021 |
| Kansas          | E-10352 2020-2021    | 31-Jul-2021 |
| Kentucky        | 123043, 2020-2021    | 30-Apr-2021 |
| Louisiana       | 03087, 2020-2021     | 30-Jun-2021 |
| North Carolina  | 624-2020             | 31-Dec-2020 |
| North Dakota    | R-193 2020-2021      | 30-Apr-2021 |
| Texas           | T104704231-20-26     | 30-Apr-2021 |

## ALS Houston, US

Date: 04-Dec-20

## Sample Receipt Checklist

Work Order ID: HS20111013

Date/Time Received: 19-Nov-2020 09:55

Client Name: Glen Springs/CRA

Received by: Jared R. Makan

| Completed By: /S/ Pablo Martinez | 19-Nov-2020 15:41 | Reviewed by: /S/ Dane J. Wacasey | 24-Nov-2020 16:27 |
|----------------------------------|-------------------|----------------------------------|-------------------|
| eSignature                       | Date/Time         | eSignature                       | Date/Time         |

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:230230                                  |
| 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):

1.3C UC/C IR 31

Cooler(s)/Kit(s):

BLUE

Date/Time sample(s) sent to storage:

11/19/20 15:50

Water - VOA vials have zero headspace?

Yes ☐ No ☐ No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☐ No ☐ N/A ☒

pH adjusted?

Yes ☐ No ☐ N/A ☒

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

Cincinnati, OH  
+1 513 733 5336Everett, 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: 230230

ALS Project Manager:

HS20111013

Glenn Springs Holdings, Inc.  
4502201559 GSHI PXP Hill E.C. Federal #7 TB

WV

| Customer Information |                                | Project Information |                                  | ALS Project Manager: |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|--------------------------------|---------------------|----------------------------------|----------------------|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order       | 4502201559 ENV749-402-D02-1100 | Project Name        | GSHI PXP Hill E.C. Federal #7 TB | A                    | 300_W (300 Chloride) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Work Order           |                                | Project Number      | 55627DM (ENV749A008) (Cl only)   | B                    |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Company Name         | Glenn Springs Holdings, Inc.   | Bill To Company     | Glenn Springs Holdings, Inc.     | C                    |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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@tetrattech.com    | e-Mail Address      |                                  | J                    |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |

| No. | Sample Description | Time | Date     | Matrix   | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|------|----------|----------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | MW-7 - 1           | 1035 | 11-17-20 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 2   | MW-7 - 2           | 1140 | 11-17-20 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 3   | MW-7 - 3           | 1240 | 11-17-20 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 4   | MW-7 - 4           | 1335 | 11-17-20 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 5   | MW-7 - 5           | 1430 | 11-17-20 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 6   | MW-7 - 6           | 1525 | 11-17-20 | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 7   | DUP                |      |          | Groundwa | 8     | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 8   |                    |      |          |          |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 9   |                    |      |          |          |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 10  |                    |      |          |          |       |           |   |   |   |   |   |   |   |   |   |   |      |

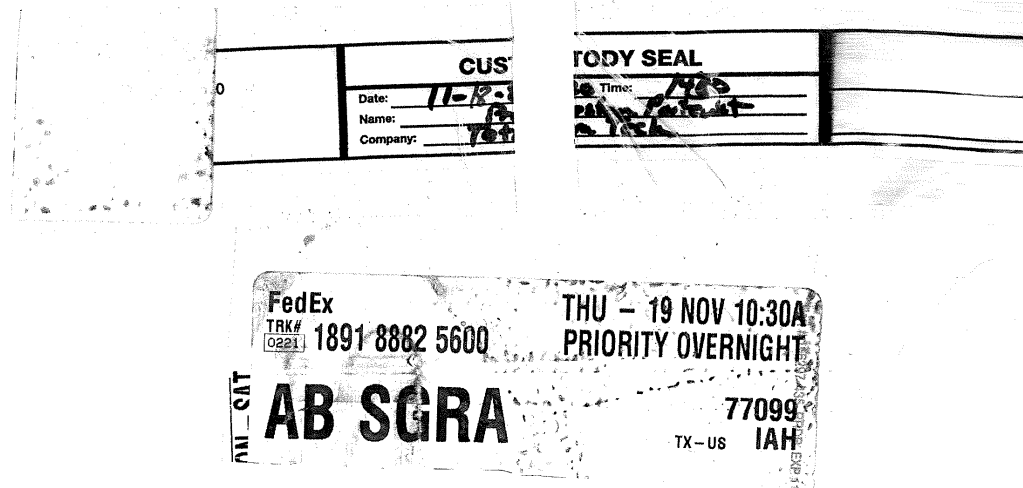
  

|                                                                                                                                                                                          |                |                 |                           |                                                                                                                                                           |              |                                                                                                                                                                                                                                                                           |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Sampler(s) Please Print & Sign                                                                                                                                                           |                | Shipment Method |                           | Required Turnaround Time: (Check Box)                                                                                                                     |              | Results Due Date:                                                                                                                                                                                                                                                         |  |
| <i>Proton Peritain</i><br><i>Proton Peritain</i>                                                                                                                                         |                |                 |                           | <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 |              |                                                                                                                                                                                                                                                                           |  |
| Relinquished by:                                                                                                                                                                         | Date: 11-18-20 | Time: 1630      | Received by:              | Notes: GSHI PXP Hill EC Federal 7 TB                                                                                                                      |              |                                                                                                                                                                                                                                                                           |  |
| Relinquished by:                                                                                                                                                                         | Date: 11/19/20 | Time: 09:55     | Received by (Laboratory): | Cooler ID                                                                                                                                                 | Cooler Temp. | QC Package: (Check One Box Below)                                                                                                                                                                                                                                         |  |
| Logged by (Laboratory):                                                                                                                                                                  | Date:          | Time:           | Checked by (Laboratory):  | Blue                                                                                                                                                      | 1.3°C        | <input checked="" type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP Checklist<br><input type="checkbox"/> Level III Std QC/Raw Data <input type="checkbox"/> TRRP Level IV<br><input type="checkbox"/> Level IV SWB46/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.

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**District I**

1625 N. French Dr., Hobbs, NM 88240  
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**District II**

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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 16686

**CONDITIONS**

|                                                                    |                                                                          |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Operator:<br>OXY USA INC<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:                                                                   |
|                                                                    | 16696                                                                    |
|                                                                    | Action Number:<br>16686                                                  |
|                                                                    | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

**CONDITIONS**

| Created By | Condition                                                                                                                                                                                                                                                                                                                                           | Condition Date |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| nvelez     | Review of 2020 Groundwater Sampling Report: Content satisfactory 1. Continue semi-annual groundwater monitoring of the nine monitor wells at the site 2. Quarterly pumping of monitor well MW-7, with a sample to be obtained following the completion of each event 3. Submit the Annual Monitoring Report to the OCD no later than March 31, 2022 | 12/28/2021     |