



Review of 2021 Annual Report - Quarterly Groundwater Monitoring and Sampling: **Content satisfactory**

1. Plug and abandon (P&A) five of the site monitor wells MW-1, MW-2, MW-5, MW-7 and MW-8.
3. Quarterly monitoring and sampling should continue at MW-3, MW-4, and MW-9 with laboratory analysis of full list volatile organics per USEPA Method 8260
3. Submit Annual Monitoring Report to the OCD no later than March 31, 2023.

March 31, 2022

John Bruner

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Logos Resources

2110 Afton Place

Farmington, New Mexico 87401

**RE: 2021 Annual Report - Quarterly Groundwater Monitoring and Sampling  
Logos Julander Federal #1E  
NMOCD Incident #NJK1305853515  
San Juan County, New Mexico**

Dear Mr. Bruner:

Animas Environmental Services, LLC (AES) has prepared this Annual Report detailing quarterly groundwater monitoring and sampling during 2021 at the Logos Julander Federal #1E. The work is associated with a previous condensate tank release that was discovered at the Logos Resources (previously Energen) Julander Federal #1E in January 2013. A topographic site location map and an aerial site location map are included as Figures 1 and 1A, and a site plan with monitor well locations is presented as Figure 2.

## 1.0 Site History

### 1.1 Initial Release

As the result of the freezing and breaking of a production tank valve, a release of approximately 96 bbls of natural gas condensate within the production tank secondary containment area occurred and was discovered on January 14, 2013. Subsequently, Energen excavated and transported off-site approximately 3,356 cubic yards (yds<sup>3</sup>) of petroleum hydrocarbon contaminated soil for disposal. The excavation extended to an approximate depth of 45 feet (ft) below ground surface (bgs), where groundwater seepage into the excavation occurred, and excavation conditions became unstable. Therefore, the excavation was backfilled, and one investigation well, MW-1, was installed by Envirotech, Inc. (Envirotech) to determine if groundwater had been impacted.

Groundwater laboratory analytical results from MW-1 reported 23.8 µg/L benzene, 289 µg/L toluene, 401 µg/L ethylbenzene, and 3,290 µg/L xylene concentrations. Benzene and xylene concentrations exceeded the applicable New Mexico Water Quality Control Commission (WQCC)

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standards for benzene and xylenes. Further site investigation was recommended.

## 1.2 Site Investigation, 2013

Between April and August 2013, AES installed seven soil borings (SB-1 through SB-7) which were completed as 1- and 2-inch diameter monitor wells (MW-2 through MW-8) in the vicinity of the release location. Soils were observed to consist primarily of clayey sand fill and native poorly graded sand with varying amounts of clay. A lens of clayey sand to lean clay was observed in each of the wells near the transition between the vadose zone and fluctuating groundwater table. Groundwater was encountered at depths ranging from approximately 37 ft to 40 ft bgs during drilling and monitor well installation. The groundwater gradient was generally flat at 0.001 ft/ft from east to west but varied in direction based on seasonal conditions.

### 1.2.1 Soil Field Screening and Laboratory Analytical Results

Soil field screening results showed volatile organic compound (VOC) concentrations below the New Mexico Oil Conservation Division (NMOCD) action level of 100 parts per million (ppm) in the soil samples from SB-4 through SB-7, except for SB-6 at 38 to 39.5 ft (393 ppm). Soil laboratory analytical results were below detection limits or applicable NMOCD action levels in all samples, except for SB-2 at 40 to 41 ft with 187 mg/kg total benzene, toluene, ethylbenzene and xylene (BTEX) and 2,174 mg/kg TPH (GRO/DRO) and in SB-3 with 99 mg/kg total BTEX and 1,380 mg/kg TPH (GRO/DRO).

### 1.2.2 Groundwater Laboratory Analytical Results

Laboratory analytical results from samples collected in August 2013 confirmed dissolved phase BTEX concentrations above applicable WQCC standards in four monitor wells, including MW-1 (primarily xylene), MW-3, MW-4 and MW-7. The highest concentrations were reported in MW-3 for benzene (18,000 µg/L), ethylbenzene (1,300 µg/L) and xylene (12,000 µg/L). The highest toluene concentration was reported in MW-4 with 28,000 µg/L.

## 1.3 Continued Groundwater Monitoring and Sampling, 2013 through 2020

### 1.3.1 2013

AES conducted groundwater monitoring and sampling in MW-1, MW-3, and MW-4 in October and November 2013, before and after completion of a soil vapor extraction pilot study. Laboratory analytical results from the latter sampling event showed that the highest dissolved phase contaminant concentrations above applicable WQCC standards were reported in MW-3 with 1,500 µg/L benzene and in MW-4 with 3,500 µg/L xylenes.

### 1.3.2 2014

On February 10, 2014, AES conducted additional groundwater monitoring and sampling in site monitor wells. Laboratory analytical results showed that the highest dissolved phase contaminant concentrations were all reported in MW-3 with 9,100 µg/L benzene, 8,800

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µg/L toluene, 670 µg/L ethylbenzene, and 5,300 µg/L xylenes. Dissolved phase benzene, toluene, ethylbenzene, and xylene concentrations were below WQCC standards in MW-2, MW-5, MW-6, and MW-8.

AES installed monitor well MW-9 to the north of the condensate tank in May 2014 and subsequently conducted groundwater monitoring and sampling of all site monitor wells. The May 2014 laboratory analytical results showed that the highest dissolved phase contaminant concentrations were again reported in MW-3, with 14,000 µg/L benzene, 22,000 µg/L toluene, 860 µg/L ethylbenzene, and 6,300 µg/L xylenes. A slight measurable thickness of free product (0.02 ft) was reported in the newly installed MW-9.

AES began multiphase extraction (MPE) operations utilizing an RSI high vacuum multiphase extraction (MPE) unit to treat residual contaminants from MW-1, MW-3, MW-4, and MW-9 in September 2014. The unit was rotated between wells from September 20 to November 18. An estimated 62 gallons of free product were removed utilizing the MPE unit.

On December 18, 2014, one month after taking the MPE remediation unit off-line, AES conducted additional groundwater monitoring and sampling. Well MW-9 reported the highest dissolved phase contaminant concentrations with 6,600 µg/L benzene, 17,000 µg/L toluene, 750 µg/L ethylbenzene, and 7,400 µg/L xylenes.

### 1.3.3 2015

AES conducted groundwater monitoring and sampling of all nine monitor wells in June 2015, and eight monitor wells (MW-1, MW-3 through MW-9) in September and December 2015, as MW-2 had not exceeded WQCC standards for eight consecutive events. Average groundwater elevation fluctuated quarterly by three to four ft, with an average annual drop of 0.5 ft since 2014. Seasonal fluctuations are believed to be associated with the nearby San Juan River, as well as local irrigation activity.

Groundwater analytical results at MW-6 through MW-8 were reported below WQCC standards during 2015, and as of December 2015, MW-6 and MW-8 had not exceeded WQCC standards for eight consecutive events, so groundwater sampling in these wells was suspended. Field measurements and laboratory analytical results are included in Tables 1 and 2, respectively.

### 1.3.4 2016

Groundwater monitoring and sampling of six monitor wells (MW-1, MW-3 through MW-5, MW-7, and MW-9) was conducted by AES in March, June, September/October, and December 2016. Note that MW-6 and MW-8 were re-sampled in December 2016 to confirm that concentrations remained below WQCC standards. Average groundwater elevation fluctuated quarterly by one to four ft, with an average annual drop of 1.09 ft since 2015.

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### 1.3.5 2017

AES conducted groundwater monitoring and sampling of six monitor wells (MW-1, MW-3 through MW-5, MW-7, and MW-9) in March 2017, and four monitor wells (MW-1, MW-3, MW-4, and MW-5) in June, September/October, and December 2017 (MW-7 had not exceeded WQCC standards for eight consecutive events, and NAPL was detected in in MW-9). Average groundwater elevation fluctuated quarterly by one to three ft, with a year-on-year decrease of 1.56 ft in December 2017. Field measurements and laboratory analytical results are included in Tables 1 and 2, respectively.

### 1.3.6 2018

Groundwater monitoring and sampling of six monitor wells (MW-1, MW-3 through MW-5, MW-7, and MW-9) was conducted by AES in March, June, September, and December 2018. Site groundwater elevations reached the lowest recorded measurements in June 2018 for most of the site wells; MW-2 was dry during the March, June and December sampling events. The highest BTEX concentrations were reported in MW-3, with 17,000 µg/L benzene, 15,000 µg/L toluene, 970 µg/L ethylbenzene, and 9,100 µg/L total xylenes. NAPL was reported in MW-4 in June (0.07 ft) and in MW-9 in March and June, respectively, with 0.11 ft and 0.56 ft of NAPL.

### 1.3.7 2019

AES conducted groundwater monitoring and sampling of five monitor wells (MW-1, MW-3 through MW-5, and MW-9) in March, July, and September 2019. The same wells, except MW-5 (frozen solid), were monitored and sampled in December 2019. Average groundwater elevation fluctuated quarterly by zero to three ft, with a year-on-year decrease of 0.08 ft in December 2019. The March 2019 benzene concentration (6.4 µg/L) was recorded slightly above the WQCC standard for the first time since March 2013. Field measurements and laboratory analytical results are included in Tables 1 and 2, respectively.

### 1.3.8 2020

Continued groundwater monitoring and sampling by AES of five monitor wells (MW-1, MW-3, MW-4, MW-5, and MW-9) continued in March, June, October, and December 2020. Contaminant concentrations in MW-5 remained below WQCC standards for the eight consecutive sampling events as of December 2020. Average groundwater elevation fluctuated quarterly by 0.5 to 3.3 ft, with a year-on-year decrease of 1.17 ft in December 2020. Field measurements and laboratory analytical results are included in Tables 1 and 2, respectively.



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## 2.0 Groundwater Monitoring and Sampling, 2021

AES conducted groundwater monitoring and sampling of four monitor wells (MW-1, MW-3, MW-4, and MW-9) during the March quarterly sampling event, and three monitor wells (MW-3, MW-4, and MW-9) during the June, September, and December events. Notification was made prior to sampling activities and NMOCD correspondence is attached.

All site monitor wells were gauged for depth to groundwater in order to monitor season groundwater fluctuations and calculate gradient. Samples were collected with new disposable bailers and transferred into 40-mL vials, which were labeled and stored at less than 6°C in an insulated cooler until delivered to Hall in Albuquerque, New Mexico. Groundwater samples were analyzed for full list volatile organics per U.S. Environmental Protection Agency (USEPA) Method 8260.

### 2.1 Groundwater Measurement and Water Quality Data

#### 2.1.1 March 2021 Groundwater Elevations and Water Quality Measurements

Based on data collected during the March 2021 sampling event, groundwater elevations decreased by approximately 3.04 ft across the site since the December 2020 sampling event. Groundwater elevations ranged between 5,413.36 ft above mean sea level (AMSL) in MW-2 and 5,415.64 ft AMSL in MW-1. Groundwater gradient was calculated to be in a northern direction with a magnitude of 0.028 ft/ft.

A residual NAPL sheen was detected in MW-4 and MW-9. Conductivity measurements were 0.751 mS/cm in MW-1 and 1.066 mS/cm in MW-3. MW-1 and MW-3 respective temperature readings were 14.7°C and 15.2°C, and oxidation reduction potential (ORP) readings were -130.8 mV and -94.9 mV.

#### 2.1.2 June 2021 Groundwater Elevations and Water Quality Measurements

June 2021 average groundwater elevations decreased by 0.46 ft across the site since the March sampling event. Groundwater elevations were between 5,412.82 ft AMSL in MW-5 and 5,415.11 ft AMSL in MW-1. Groundwater gradient was in a northern direction with a magnitude of 0.027 ft/ft.

A NAPL thickness of 0.04 ft was detected in MW-9, and conductivity measurements were 1.085 mS/cm in MW-3 and 0.98 mS/cm in MW-4. MW-3 and MW-4 respective temperature readings were 15.8°C and 18.5°C, and ORP readings were -83.9 mV and -99.0 mV.

#### 2.1.3 September 2021 Groundwater Elevations and Water Quality Measurements

September 2021 average groundwater elevations increased by 3.96 ft across the site since the June sampling event. Groundwater elevations ranged between 5,416.73 ft AMSL in

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MW-5 and MW-6 to 5,419.13 ft AMSL in MW-1. Groundwater gradient was calculated in a northwesterly direction with a magnitude of 0.025 ft/ft.

A residual sheen was detected in MW-4 and MW-9. Water quality readings were taken at MW-3 only. Conductivity was 1.020 mS/cm, temperature was recorded at 15.8°C, the ORP reading was -75.4 mV.

#### 2.1.4 December 2021 Groundwater Elevations and Water Quality Measurements

Based on data collected during the December 2021 sampling event, groundwater elevations decreased by approximately 0.96 ft across the site since the September sampling event. Groundwater elevations ranged between 5,416.12 ft AMSL in MW-5 and 5,418.27 ft AMSL in MW-1. Groundwater gradient was in a north-northwesterly direction with a magnitude of 0.015 ft/ft.

A residual sheen was detected in MW-4 and MW-9, and conductivity measurements were 0.769 mS/cm in MW-1 and 1.160 mS/cm in MW-5. MW-1 and MW-5 respective temperature readings were 14.5°C and 14.3°C, and ORP readings were -38.2 mV and 54.4 mV.

Groundwater elevations and contours from March, June, September, and December 2021 are presented on Figure 3. Depth to groundwater measurements and water quality data are summarized and presented in Table 1. Groundwater sample collection forms are attached.

## 2.2 Groundwater Analytical Results

### 2.2.1 March 2021 Results

March 2021 groundwater analytical results showed that dissolved phase benzene concentrations were reported above the WQCC standard of 5 µg/L in MW-3 (9,700 µg/L) and MW-9 (6,300 µg/L). Toluene concentrations exceeded the WQCC standard of 1,000 µg/L in MW-3 with 8,900 µg/L and MW-9 with 17,000 µg/L. Ethylbenzene concentrations exceeded the WQCC standard of 700 µg/L in MW-9 (930 µg/L). Xylene concentrations were above the WQCC standard of 620 µg/L in two wells: MW-3 (9,300 µg/L) and MW-9 (9,100 µg/L). No exceedances were recorded at MW-1.

### 2.2.2 June 2021 Results

Groundwater analytical results showed that well MW-3 had the highest benzene concentration (14,000 µg/L); MW-9 had the highest toluene (29,000 µg/L), ethylbenzene (1,600 µg/L), and total xylene (14,000 µg/L) concentrations.

### 2.2.3 September 2021 Results

September 2021 dissolved phase BTEX concentrations were comparable to those of June 2021, except for spikes at MW-4 which had increases to above the WQCC standards for toluene (1,400 µg/L) and total xylenes (840 µg/L). Well MW-3 had the highest benzene

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concentration (12,000 µg/L), and MW-9 again had the highest toluene (24,000 µg/L), ethylbenzene (1,100 µg/L), and total xylene (12,000 µg/L) concentrations.

#### 2.2.4 December 2021 Results

Groundwater analytical results showed that dissolved phase benzene concentrations were reported above the WQCC standard in MW-3 (12,000 µg/L), MW-4 (25 µg/L), and MW-9 (6,300 µg/L). Toluene concentrations exceeded the WQCC standard in MW-3 (11,000 µg/L) and MW-9 (14,000 µg/L). Similarly, ethylbenzene concentrations were above the WQCC standard in MW-3 (740 µg/L) and MW-9 (950 µg/L). Xylene concentrations were above the WQCC standard in MW-3 (9,300 µg/L) and MW-9 (9,100 µg/L).

Laboratory analytical results are presented in Table 2, and contaminant concentrations are included on Figure 4. Dissolved benzene, toluene, and xylene concentration contours are shown on Figures 5, 6, and 7, respectively. Groundwater contaminant concentrations over time for MW-1, MW-3, MW-4 and MW-9 are included as Graphs 1 through 4. Laboratory analytical reports are attached.

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### 3.0 Conclusions, Recommendations, and Scheduled Site Activities

#### 3.1 Conclusions

Groundwater monitoring and sampling at the site was conducted quarterly in 2021 by AES. Site groundwater elevations in 2021 were stable compared year-on-year to 2020 groundwater elevations. Groundwater fluctuations are most likely responses to seasonal groundwater variations associated with the nearby San Juan River, as well as local irrigation activity.

Of the nine monitor wells at this site (MW-1 through MW-9), six wells have had at least eight consecutive sampling events with concentrations *below applicable WQCC standards*, including **MW-1, MW-2, MW-5, MW-6, MW-7, and MW-8**.

In the remaining three wells, dissolved phase concentrations can be summarized as:

**MW-3** – dissolved phase concentrations remained elevated but stable and are well above applicable WQCC standards for BTEX compounds.

**MW-4** - has slightly elevated benzene levels (25 µg/L in December 2021) and showed the presence of residual NAPL sheens during most sampling events. Toluene, ethylbenzene, and xylene concentrations are well below applicable WQCC standards.

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**MW-9** – dissolved phase concentrations have remained consistently above WQCC standards, and the well has had the intermittent presence of residual NAPL throughout the year, with measurable NAPL thicknesses returning in June 2021 (0.04 ft) for the first time since July 2019 (0.01 ft). Both events were conducted when groundwater elevations were at the seasonal low points.

### 3.2 Recommendations

Based on site data, as well as verbal communications between Logos and NMOCD, it is recommended to plug and abandon (P&A) five of the site monitor wells, including MW-1, MW-2, MW-5, MW-7 and MW-8. MW-6 will remain open for groundwater gauging to assist in calculation of gradient magnitude and direction.

Quarterly monitoring and sampling should continue at MW-3, MW-4, and MW-9 with laboratory analysis of full list volatile organics per USEPA Method 8260. MW-6 should be gauged for depth to groundwater.

### 3.3 Scheduled Site Activities

AES will submit well plugging plans to the New Mexico Office of the State Engineer (NMOSE) and prepare a schedule for well P&A. AES will also continue with quarterly groundwater monitoring and sampling of MW-3, MW-4, and MW-9 along with gauging of MW-9.

If you have any questions about this report or site conditions, please feel free to contact Elizabeth McNally at (505) 564-2281.

Respectfully Submitted,



David J. Reese  
Environmental Scientist



Elizabeth McNally, P.E.

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#### Attachments:

Table 1. Groundwater Measurements and Water Quality Data

Table 2. Groundwater Laboratory Analytical Results

Figure 1. Topographic Site Location Map

Figure 1A. Aerial Site Location Map

Figure 2. Site Plan with Monitor Well Locations

Figure 3. 2021 Groundwater Elevation Contours

Figure 4. 2021 Groundwater Contaminant Concentrations

Figure 5. 2021 Dissolved Benzene Concentration Contours

Figure 6. 2021 Dissolved Toluene Concentration Contours

Figure 7. 2021 Dissolved Xylenes Concentration Contours

Graphs 1 through 3 – Groundwater Elevations and Contaminant Concentrations over Time,  
MW-3, MW-4, and MW-9

NMOCD Correspondence (March, June, and December Sampling Notifications)

Groundwater Sample Collection Forms – March, June, September, and December 2021

Laboratory Analytical Reports (Hall Nos. 2103693, 2106655, 2109B86, 2112795)

Logos/Shared Documents/Julander/Reports/2022.03.31 Logos Julander Federal 1E Annual Report.docx

## Attachments



TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-1           | 4-Jan-00             | 5455.49                                  |                           | 41.87                      |                            | 5413.62                                |                                                  | 14.6              | 0.865                         | 6.95      | -59.6           |
| MW-1           | 23-Aug-13            | 5455.49                                  |                           | 37.50                      |                            | 5417.99                                |                                                  | 15.1              | 1.661                         | 6.86      | 84.9            |
| MW-1           | 11-Nov-13            | 5455.49                                  |                           | 36.97                      |                            | 5418.52                                |                                                  | 13.7              | NM                            |           |                 |
| MW-1           | 14-Nov-13            | 5455.49                                  |                           | 36.63                      |                            | 5418.86                                |                                                  | 13.9              | 0.916                         | 7.12      | NM              |
| MW-1           | 10-Feb-14            | 5455.49                                  |                           | 40.10                      |                            | 5415.39                                |                                                  | 14.1              | 0.818                         | 7.54      | NM              |
| MW-1           | 27-May-14            | 5455.49                                  |                           | 42.36                      |                            | 5413.13                                |                                                  | 16.2              | 0.920                         | 7.06      | -80.0           |
| MW-1           | 18-Dec-14            | 5455.49                                  |                           | 37.97                      |                            | 5417.52                                |                                                  | 13.1              | 0.984                         | 7.35      | 73.3            |
| MW-1           | 3-Jun-15             | 5455.49                                  |                           | 42.02                      |                            | 5413.47                                |                                                  | 18.4              | 0.909                         | 6.73      | -151.3          |
| MW-1           | 17-Sep-15            | 5455.49                                  |                           | 38.86                      |                            | 5416.63                                |                                                  | 15.3              | 1.516                         | 7.02      | -129.4          |
| MW-1           | 8-Dec-15             | 5455.49                                  |                           | 38.45                      |                            | 5417.04                                |                                                  | 14.5              | 0.773                         | 7.50      | -238.2          |
| MW-1           | 10-Mar-16            | 5455.49                                  |                           | 41.62                      |                            | 5413.87                                |                                                  | 14.8              | 0.969                         | 7.02      | -108.1          |
| MW-1           | 15-Jun-16            | 5455.49                                  |                           | 42.90                      |                            | 5412.59                                |                                                  | 15.9              | 0.953                         | 6.82      | -229.7          |
| MW-1           | 28-Sep-16            | 5456.49                                  |                           | 39.00                      |                            | 5417.49                                |                                                  | 15.4              | 0.846                         | 7.18      | -107.6          |
| MW-1           | 20-Dec-16            | 5457.49                                  |                           | 39.80                      |                            | 5417.69                                |                                                  | 14.5              | 0.868                         | 7.45      | -116.6          |
| MW-1           | 14-Mar-17            | 5457.49                                  |                           | 42.56                      |                            | 5414.93                                |                                                  | 15.0              | 0.895                         | 7.79      | -175.9          |
| MW-1           | 16-Jun-17            | 5457.49                                  |                           | 43.99                      |                            | 5413.50                                |                                                  | 16.0              | 0.874                         | 6.87      | -148.9          |
| MW-1           | 15-Sep-17            | 5457.49                                  |                           | 40.96                      |                            | 5416.53                                |                                                  | 15.5              | 0.963                         | 6.82      | -167.5          |
| MW-1           | 12-Dec-17            | 5457.49                                  |                           | 41.30                      |                            | 5416.19                                |                                                  | 14.4              | 0.889                         | 7.04      | -129.5          |
| MW-1           | 9-Mar-18             | 5457.49                                  |                           | 43.85                      |                            | 5413.64                                |                                                  | 14.0              | 0.770                         | 7.01      | -85.4           |
| MW-1           | 5-Jun-18             | 5457.49                                  |                           | 44.53                      |                            | 5412.96                                |                                                  | 15.7              | 1.05                          | 6.75      | -187.5          |
| MW-1           | 5-Sep-18             | 5457.49                                  |                           | 39.99                      |                            | 5417.50                                |                                                  | 16.1              | 0.91                          | 6.72      | -126.8          |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-1           | 6-Dec-18             | 5457.49                                  |                           | 37.30                      |                            | 5420.19                                |                                                  | 14.7              | 0.86                          | 7.20      | -146.7          |
| MW-1           | 7-Mar-19             | 5457.49                                  |                           | 41.36                      |                            | 5416.13                                |                                                  | 14.7              | 0.770                         | 7.14      | -93.7           |
| MW-1           | 2-Jul-19             | 5457.49                                  |                           | 41.32                      |                            | 5416.17                                |                                                  | 15.7              | 1.08                          | 6.73      | -83.4           |
| MW-1           | 24-Sep-19            | 5457.49                                  |                           | 37.70                      |                            | 5419.79                                |                                                  | 15.0              | 0.965                         | 6.11      | -79.8           |
| MW-1           | 19-Dec-19            | 5457.49                                  |                           | 38.23                      |                            | 5419.26                                |                                                  | 14.3              | 1.148                         | 7.12      | -74.8           |
| MW-1           | 20-Mar-20            | 5457.49                                  |                           | 41.52                      |                            | 5415.97                                |                                                  | 14.7              | 0.887                         | 7.02      | -148.9          |
| MW-1           | 25-Jun-20            | 5457.49                                  |                           | 40.95                      |                            | 5416.54                                |                                                  | 15.9              | 1.10                          | 6.94      | -61.6           |
| MW-1           | 1-Oct-20             | 5457.49                                  |                           | 37.51                      |                            | 5419.98                                |                                                  | 15.2              | 0.824                         | 6.93      | -55.5           |
| MW-1           | 15-Dec-20            | 5457.49                                  |                           | 38.95                      |                            | 5418.54                                |                                                  | 14.1              | 0.777                         | 6.60      | -95.7           |
| MW-1           | 12-Mar-21            | 5457.49                                  |                           | 41.85                      |                            | 5415.64                                |                                                  | 14.7              | 0.751                         | 7.43      | -130.8          |
| MW-1           | 10-Jun-21            | 5457.49                                  |                           | 42.38                      |                            | 5415.11                                |                                                  | NM - Gauge Only   |                               |           |                 |
| MW-1           | 21-Sep-21            | 5457.49                                  |                           | 38.36                      |                            | 5419.13                                |                                                  | NM - Gauge Only   |                               |           |                 |
| MW-1           | 9-Dec-21             | 5457.49                                  |                           | 39.22                      |                            | 5418.27                                |                                                  | 14.5              | 0.769                         | 6.5       | -38.2           |
|                |                      |                                          |                           |                            |                            |                                        |                                                  |                   |                               |           |                 |
| MW-2           | 6-May-13             | 5452.05                                  |                           | 38.48                      |                            | 5413.57                                |                                                  | 16.9              | 0.542                         | 7.44      | -18.6           |
| MW-2           | 23-Aug-13            | 5452.05                                  |                           | 34.29                      |                            | 5417.76                                |                                                  | 16.3              | 1.124                         | 7.19      | 52.5            |
| MW-2           | 11-Nov-13            | 5452.05                                  |                           | 33.35                      |                            | 5418.70                                |                                                  | 13.5              | NM                            |           |                 |
| MW-2           | 10-Feb-14            | 5452.05                                  |                           | 36.71                      |                            | 5415.34                                |                                                  | 14.9              | 0.537                         | 7.62      | NM              |
| MW-2           | 27-May-14            | 5452.05                                  |                           | 38.83                      |                            | 5413.22                                |                                                  | NM                |                               |           |                 |
| MW-2           | 18-Dec-14            | 5452.05                                  |                           | 34.45                      |                            | 5417.60                                |                                                  | 12.4              | 0.676                         | 7.46      | -100.1          |
| MW-2           | 3-Jun-15             | 5452.05                                  |                           | 38.09                      |                            | 5413.96                                |                                                  | NM                |                               |           |                 |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-2           | 17-Sep-15            | 5452.05                                  |                           | 35.46                      |                            | 5416.59                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 8-Dec-15             | 5452.05                                  |                           | 34.95                      |                            | 5417.10                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 10-Mar-16            | 5452.05                                  |                           | 38.35                      |                            | 5413.70                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 15-Jun-16            | 5452.05                                  |                           | DRY                        |                            | DRY                                    |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 28-Sep-16            | 5452.05                                  |                           | 35.70                      |                            | 5416.35                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 20-Dec-16            | 5452.05                                  |                           | 36.22                      |                            | 5415.83                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 14-Mar-17            | 5452.05                                  |                           | 39.25                      |                            | 5412.80                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 16-Jun-17            | 5452.05                                  |                           | DRY                        |                            | DRY                                    |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 15-Sep-17            | 5452.05                                  |                           | 37.69                      |                            | 5414.36                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 12-Dec-17            | 5452.05                                  |                           | 37.93                      |                            | 5414.12                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 9-Mar-18             | 5452.05                                  |                           | DRY                        |                            | DRY                                    |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 5-Jun-18             | 5452.05                                  |                           | DRY                        |                            | DRY                                    |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 5-Sep-18             | 5452.05                                  |                           | 36.91                      |                            | 5415.14                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 6-Dec-18             | 5452.05                                  |                           | DRY                        |                            | DRY                                    |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 7-Mar-19             | 5452.05                                  |                           | 38.08                      |                            | 5413.97                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 2-Jul-19             | 5452.05                                  |                           | 37.79                      |                            | 5414.26                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 24-Sep-19            | 5452.05                                  |                           | 34.31                      |                            | 5417.74                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 19-Dec-19            | 5452.05                                  |                           | 34.76                      |                            | 5417.29                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 20-Mar-20            | 5452.05                                  |                           | 38.22                      |                            | 5413.83                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 25-Jun-20            | 5452.05                                  |                           | 37.64                      |                            | 5414.41                                |                                                  |                   | NM - Gauge Only               |           |                 |
| MW-2           | 1-Oct-20             | 5452.05                                  |                           | 39.98                      |                            | 5412.07                                |                                                  |                   | NM - Gauge Only               |           |                 |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-2           | 15-Dec-20            | 5452.05                                  |                           | 35.12                      |                            | 5416.93                                |                                                  | NM - Gauge Only   |                               |           |                 |
| MW-2           | 12-Mar-21            | 5452.05                                  |                           | 38.69                      |                            | 5413.36                                |                                                  | NM - Gauge Only   |                               |           |                 |
| MW-2           | 10-Jun-21            | 5452.05                                  |                           | 38.89                      |                            | 5413.16                                |                                                  | NM - Gauge Only   |                               |           |                 |
| MW-2           | 21-Sep-21            | 5452.05                                  |                           | 35.01                      |                            | 5417.04                                |                                                  | NM - Gauge Only   |                               |           |                 |
| MW-2           | 9-Dec-21             | 5452.05                                  |                           | 35.85                      |                            | 5416.20                                |                                                  | NM - Gauge Only   |                               |           |                 |
|                |                      |                                          |                           |                            |                            |                                        |                                                  |                   |                               |           |                 |
| MW-3           | 6-May-13             | 5453.98                                  |                           | 40.47                      |                            | 5413.51                                |                                                  | 14.8              | 1.575                         | 6.70      | -43.5           |
| MW-3           | 23-Aug-13            | 5453.98                                  |                           | 36.16                      |                            | 5417.82                                |                                                  | 14.8              | 1.783                         | 6.70      | -48.7           |
| MW-3           | 11-Nov-13            | 5453.98                                  |                           | 35.53                      |                            | 5418.45                                |                                                  | 13.7              | NM                            |           |                 |
| MW-3           | 14-Nov-13            | 5453.98                                  | 35.61                     | 35.62                      | 0.01                       | 5418.36                                | 5418.37                                          | 13.6              | 1.393                         | 6.89      | NM              |
| MW-3           | 10-Feb-14            | 5453.98                                  |                           | 38.70                      |                            | 5415.28                                |                                                  | 14.2              | 0.993                         | 7.17      | NM              |
| MW-3           | 27-May-14            | 5453.98                                  |                           | 40.94                      |                            | 5413.04                                |                                                  | 16.4              | 0.935                         | 6.78      | -42.2           |
| MW-3           | 18-Dec-14            | 5453.98                                  |                           | 36.56                      |                            | 5417.42                                |                                                  | 12.6              | 1.239                         | 7.40      | 25.8            |
| MW-3           | 3-Jun-15             | 5453.98                                  |                           | 40.54                      |                            | 5413.44                                |                                                  | 15.1              | 0.853                         | 6.65      | -79.9           |
| MW-3           | 17-Sep-15            | 5453.98                                  |                           | 37.55                      |                            | 5416.43                                |                                                  | 15.6              | 1.653                         | 6.60      | -78.6           |
| MW-3           | 8-Dec-15             | 5453.98                                  |                           | 37.02                      |                            | 5416.96                                |                                                  | 14.7              | 1.003                         | 7.06      | -251.6          |
| MW-3           | 10-Mar-16            | 5453.98                                  |                           | 40.25                      |                            | 5413.73                                |                                                  | 15.0              | 1.503                         | 6.61      | -71.2           |
| MW-3           | 15-Jun-16            | 5453.98                                  |                           | 41.56                      |                            | 5412.42                                |                                                  | 15.9              | 1.101                         | 6.58      | -114.5          |
| MW-3           | 28-Sep-16            | 5453.98                                  |                           | 37.68                      |                            | 5416.30                                |                                                  | 15.8              | 1.227                         | 6.78      | -83.2           |
| MW-3           | 20-Dec-16            | 5453.98                                  |                           | 38.36                      |                            | 5415.62                                |                                                  | 15.1              | 1.403                         | 7.06      | -111.1          |
| MW-3           | 14-Mar-17            | 5453.98                                  |                           | 41.20                      |                            | 5412.78                                |                                                  | 15.3              | 1.136                         | 7.50      | -136.9          |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-3           | 16-Jun-17            | 5453.98                                  |                           | 42.11                      |                            | 5411.87                                |                                                  | 15.8              | 1.208                         | 6.90      | -85.9           |
| MW-3           | 15-Sep-17            | 5453.98                                  |                           | 39.68                      |                            | 5414.30                                |                                                  | 15.7              | 1.221                         | 6.80      | -97.5           |
| MW-3           | 12-Dec-17            | 5453.98                                  |                           | 39.91                      |                            | 5414.07                                |                                                  | 14.7              | 1.410                         | 6.84      | -113.3          |
| MW-3           | 9-Mar-18             | 5453.98                                  |                           | 42.46                      |                            | 5411.52                                |                                                  | 15.4              | 0.940                         | 6.88      | -96.2           |
| MW-3           | 5-Jun-18             | 5453.98                                  |                           | 43.12                      |                            | 5410.86                                |                                                  | 16.7              | 1.219                         | 6.80      | -129.4          |
| MW-3           | 5-Sep-18             | 5453.98                                  |                           | 38.70                      |                            | 5415.28                                |                                                  | 16.0              | 1.19                          | 6.50      | -73.1           |
| MW-3           | 6-Dec-18             | 5453.98                                  |                           | 37.00                      |                            | 5416.98                                |                                                  | 15.2              | 1.33                          | 6.95      | -121.3          |
| MW-3           | 7-Mar-19             | 5453.98                                  |                           | 40.01                      |                            | 5413.97                                |                                                  | 15.2              | 1.014                         | 6.98      | -77.2           |
| MW-3           | 2-Jul-19             | 5453.98                                  |                           | 39.80                      |                            | 5414.18                                |                                                  | 15.9              | 1.176                         | 6.23      | -80.4           |
| MW-3           | 24-Sep-19            | 5453.98                                  |                           | 36.35                      |                            | 5417.63                                |                                                  | 15.3              | 1.106                         | 6.24      | -76.5           |
| MW-3           | 19-Dec-19            | 5453.98                                  |                           | 36.81                      |                            | 5417.17                                |                                                  | 14.8              | 1.544                         | 6.90      | -23.7           |
| MW-3           | 20-Mar-20            | 5453.98                                  |                           | 40.14                      |                            | 5413.84                                |                                                  | 14.8              | 1.067                         | 6.97      | 70.7            |
| MW-3           | 25-Jun-20            | 5453.98                                  |                           | 39.54                      |                            | 5414.44                                |                                                  | 15.7              | 1.28                          | 6.66      | -76.2           |
| MW-3           | 1-Oct-20             | 5453.98                                  |                           | 36.18                      |                            | 5417.80                                |                                                  | 15.5              | 0.982                         | 6.70      | -72.0           |
| MW-3           | 15-Dec-20            | 5453.98                                  |                           | 37.58                      |                            | 5416.40                                |                                                  | 15.0              | 1.105                         | 6.39      | -93.2           |
| MW-3           | 12-Mar-21            | 5453.98                                  |                           | 40.47                      |                            | 5413.51                                |                                                  | 15.2              | 1.066                         | 6.77      | -94.9           |
| MW-3           | 10-Jun-21            | 5453.98                                  |                           | 41.06                      |                            | 5412.92                                |                                                  | 15.8              | 1.085                         | 6.89      | -83.9           |
| MW-3           | 21-Sep-21            | 5453.98                                  |                           | 37.14                      |                            | 5416.84                                |                                                  | 15.8              | 1.020                         | 6.76      | -75.4           |
| MW-3           | 9-Dec-21             | 5453.98                                  |                           | 37.80                      |                            | 5416.18                                |                                                  | NM - Slight Sheen |                               |           |                 |
|                |                      |                                          |                           |                            |                            |                                        |                                                  |                   |                               |           |                 |
| MW-4           | 6-May-13             | 5453.72                                  |                           | 40.17                      |                            | 5413.55                                |                                                  | 14.9              | 1.123                         | 7.03      | -28.7           |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-4           | 23-Aug-13            | 5453.72                                  |                           | 35.93                      |                            | 5417.79                                |                                                  | 15.3              | 1.409                         | 6.80      | -63.0           |
| MW-4           | 11-Nov-13            | 5453.72                                  |                           | 35.20                      |                            | 5418.52                                |                                                  | 14.5              | NM                            |           |                 |
| MW-4           | 14-Nov-13            | 5453.72                                  |                           | 35.07                      |                            | 5418.65                                |                                                  | 14.4              | 0.936                         | 7.14      | NM              |
| MW-4           | 10-Feb-14            | 5453.72                                  |                           | 38.41                      |                            | 5415.31                                |                                                  | 14.3              | 0.920                         | 7.32      | NM              |
| MW-4           | 27-May-14            | 5453.72                                  |                           | 40.47                      |                            | 5413.25                                |                                                  | 15.3              | 0.797                         | 7.14      | -31.5           |
| MW-4           | 18-Dec-14            | 5453.72                                  |                           | 35.97                      |                            | 5417.75                                |                                                  | 13.1              | 0.960                         | 7.44      | 58.7            |
| MW-4           | 3-Jun-15             | 5453.72                                  |                           | 39.90                      |                            | 5413.82                                |                                                  | 17.0              | 0.791                         | 6.67      | -58.3           |
| MW-4           | 17-Sep-15            | 5453.72                                  |                           | 37.05                      |                            | 5416.67                                |                                                  | 15.7              | 1.397                         | 6.77      | -84.3           |
| MW-4           | 8-Dec-15             | 5453.72                                  |                           | 36.47                      |                            | 5417.25                                |                                                  | 15.1              | 0.777                         | 7.42      | -174.4          |
| MW-4           | 10-Mar-16            | 5453.72                                  |                           | 39.85                      |                            | 5413.87                                |                                                  | 15.0              | 0.985                         | 6.90      | -90.7           |
| MW-4           | 15-Jun-16            | 5453.72                                  |                           | 41.09                      |                            | 5412.63                                |                                                  | 16.5              | 0.903                         | 6.48      | -75.4           |
| MW-4           | 28-Sep-16            | 5453.72                                  |                           | 37.14                      |                            | 5416.58                                |                                                  | 15.4              | 1.163                         | 6.85      | -78.6           |
| MW-4           | 20-Dec-16            | 5453.72                                  |                           | 37.91                      |                            | 5415.81                                |                                                  | 15.0              | 0.999                         | 7.33      | -123.3          |
| MW-4           | 14-Mar-17            | 5453.72                                  |                           | 40.79                      |                            | 5412.93                                |                                                  | 15.0              | 1.003                         | 7.53      | -71.4           |
| MW-4           | 16-Jun-17            | 5453.72                                  |                           | 41.50                      |                            | 5412.22                                |                                                  | 16.7              | 0.845                         | 6.91      | -85.8           |
| MW-4           | 15-Sep-17            | 5453.72                                  |                           | 39.15                      |                            | 5414.57                                |                                                  | 15.6              | 1.160                         | 6.90      | -130.9          |
| MW-4           | 12-Dec-17            | 5453.72                                  |                           | 39.47                      |                            | 5414.25                                |                                                  | 14.5              | 1.064                         | 6.98      | -111.0          |
| MW-4           | 9-Mar-18             | 5453.72                                  |                           | 42.08                      |                            | 5411.64                                |                                                  | 15.1              | 0.870                         | 6.89      | -111.9          |
| MW-4           | 5-Jun-18             | 5453.72                                  | 43.55                     | 43.62                      | 0.07                       | 5410.10                                | 5410.15                                          | NM - 0.07 ft NAPL |                               |           |                 |
| MW-4           | 5-Sep-18             | 5453.72                                  | 38.21                     | 38.21                      |                            | 5415.51                                |                                                  | NM - NAPL SHEEN   |                               |           |                 |
| MW-4           | 6-Dec-18             | 5453.72                                  | 36.49                     | 36.49                      |                            | 5417.23                                |                                                  | NM - NAPL SHEEN   |                               |           |                 |



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Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-4           | 7-Mar-19             | 5453.72                                  | 39.64                     | 39.64                      |                            | 5414.08                                |                                                  | NM - NAPL SHEEN   |                               |           |                 |
| MW-4           | 2-Jul-19             | 5453.72                                  | 39.41                     | 39.42                      | 0.01                       | 5414.30                                | 5414.31                                          | NM - NAPL SHEEN   |                               |           |                 |
| MW-4           | 24-Sep-19            | 5453.72                                  | 35.99                     | 36.00                      | 0.01                       | 5417.72                                | 5417.73                                          | NM - NAPL SHEEN   |                               |           |                 |
| MW-4           | 19-Dec-19            | 5453.72                                  |                           | 36.09                      |                            | 5417.63                                |                                                  | 14.8              | 1.05                          | 7.07      | -1.5            |
| MW-4           | 20-Mar-20            | 5453.72                                  |                           | 39.75                      |                            | 5413.97                                |                                                  | NM - SHEEN        |                               |           |                 |
| MW-4           | 25-Jun-20            | 5453.72                                  |                           | 38.90                      |                            | 5414.82                                |                                                  | NM - SHEEN        |                               |           |                 |
| MW-4           | 1-Oct-20             | 5453.72                                  |                           | 35.55                      |                            | 5418.17                                |                                                  | NM - SHEEN        |                               |           |                 |
| MW-4           | 15-Dec-20            | 5453.72                                  |                           | 37.11                      |                            | 5416.61                                |                                                  | NM - SHEEN        |                               |           |                 |
| MW-4           | 12-Mar-21            | 5453.72                                  |                           | 40.08                      |                            | 5413.64                                |                                                  | NM - SHEEN        |                               |           |                 |
| MW-4           | 10-Jun-21            | 5453.72                                  |                           | 40.52                      |                            | 5413.20                                |                                                  | 18.47             | 0.98                          | 6.71      | -99.0           |
| MW-4           | 21-Sep-21            | 5453.72                                  | 36.55                     | 36.55                      |                            | 5417.17                                |                                                  | NM - NAPL SHEEN   |                               |           |                 |
| MW-4           | 9-Dec-21             | 5453.72                                  | 37.40                     | 37.40                      |                            | 5416.32                                |                                                  | NM - NAPL SHEEN   |                               |           |                 |
|                |                      |                                          |                           |                            |                            |                                        |                                                  |                   |                               |           |                 |
| MW-5           | 23-Aug-13            | 5453.77                                  |                           | 36.00                      |                            | 5417.77                                |                                                  | 15.1              | 1.686                         | 6.82      | 113.2           |
| MW-5           | 11-Nov-13            | 5453.77                                  |                           | 35.44                      |                            | 5418.33                                |                                                  | 13.2              | NM                            |           |                 |
| MW-5           | 10-Feb-14            | 5453.77                                  |                           | 38.45                      |                            | 5415.32                                |                                                  | 13.4              | 0.908                         | 7.46      | NM              |
| MW-5           | 27-May-14            | 5453.77                                  |                           | 40.75                      |                            | 5413.02                                |                                                  | 15.8              | 1.007                         | 7.21      | 63.8            |
| MW-5           | 18-Dec-14            | 5453.77                                  |                           | 36.30                      |                            | 5417.47                                |                                                  | 12.7              | 1.249                         | 7.30      | 62.8            |
| MW-5           | 3-Jun-15             | 5453.77                                  |                           | 40.47                      |                            | 5413.30                                |                                                  | 16.8              | 1.136                         | 6.25      | 132.0           |
| MW-5           | 17-Sep-15            | 5453.77                                  |                           | 37.42                      |                            | 5416.35                                |                                                  | 14.9              | 1.882                         | 6.45      | 44.7            |
| MW-5           | 8-Dec-15             | 5453.77                                  |                           | 36.84                      |                            | 5416.93                                |                                                  | 14.1              | 0.902                         | 7.35      | -267.2          |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-5           | 10-Mar-16            | 5453.77                                  |                           | 39.99                      |                            | 5413.78                                |                                                  | 14.4              | 1.135                         | 6.65      | 72.6            |
| MW-5           | 15-Jun-16            | 5453.77                                  |                           | 41.38                      |                            | 5412.39                                |                                                  | 15.0              | 1.121                         | 6.33      | 150.2           |
| MW-5           | 28-Sep-16            | 5453.77                                  |                           | 37.60                      |                            | 5417.19                                |                                                  | 14.8              | 1.018                         | 6.69      | 20.6            |
| MW-5           | 13-Oct-16            | 5453.77                                  |                           | 36.58                      |                            | 5415.57                                |                                                  | 15.3              | 1.016                         | 6.80      | 50.9            |
| MW-5           | 20-Dec-16            | 5453.77                                  |                           | 38.20                      |                            | 5415.57                                |                                                  | 14.3              | 1.097                         | 6.97      | 132.1           |
| MW-5           | 14-Mar-17            | 5453.77                                  |                           | 40.94                      |                            | 5412.83                                |                                                  | 14.6              | 1.138                         | 7.20      | 47.2            |
| MW-5           | 16-Jun-17            | 5453.77                                  |                           | 41.99                      |                            | 5411.78                                |                                                  | 15.9              | 1.150                         | 6.71      | 89.9            |
| MW-5           | 22-Sep-17            | 5453.77                                  |                           | 39.32                      |                            | 5414.45                                |                                                  | 14.9              | 1.154                         | 6.74      | 37.9            |
| MW-5           | 12-Dec-17            | 5453.77                                  |                           | 39.71                      |                            | 5414.06                                |                                                  | 14.1              | 1.156                         | 6.76      | -49.4           |
| MW-5           | 9-Mar-18             | 5453.77                                  |                           | 42.20                      |                            | 5411.57                                |                                                  | 14.4              | 1.030                         | 6.82      | 30.3            |
| MW-5           | 5-Jun-18             | 5453.77                                  |                           | 43.02                      |                            | 5410.75                                |                                                  | 15.7              | 1.26                          | 6.71      | 28.2            |
| MW-5           | 5-Sep-18             | 5453.77                                  |                           | 38.55                      |                            | 5415.22                                |                                                  | 15.5              | 0.551                         | 6.75      | 118.7           |
| MW-5           | 6-Dec-18             | 5453.77                                  |                           | 36.76                      |                            | 5417.01                                |                                                  | 13.8              | 1.14                          | 7.16      | 190.7           |
| MW-5           | 7-Mar-19             | 5453.77                                  |                           | 39.75                      |                            | 5414.02                                |                                                  | 14.6              | 0.901                         | 7.14      | 216.1           |
| MW-5           | 12-Jul-19            | 5453.77                                  |                           | 38.52                      |                            | 5415.25                                |                                                  | 15.1              | 0.981                         | 6.96      | 149.5           |
| MW-5           | 24-Sep-19            | 5453.77                                  |                           | 36.15                      |                            | 5417.62                                |                                                  | 14.4              | 0.898                         | 6.04      | 161.5           |
| MW-5           | 19-Dec-19            | 5453.77                                  |                           | NM - Well Frozen           |                            |                                        |                                                  |                   |                               |           |                 |
| MW-5           | 20-Mar-20            | 5453.77                                  |                           | 39.86                      |                            | 5413.91                                |                                                  | 13.7              | 0.852                         | 7.01      | 188.4           |
| MW-5           | 25-Jun-20            | 5453.77                                  |                           | 39.45                      |                            | 5414.32                                |                                                  | 15.0              | 1.10                          | 6.67      | 227.3           |
| MW-5           | 1-Oct-20             | 5453.77                                  |                           | 36.16                      |                            | 5417.61                                |                                                  | 14.5              | 0.889                         | 6.70      | 195.4           |
| MW-5           | 15-Dec-20            | 5453.77                                  |                           | 37.35                      |                            | 5416.42                                |                                                  | 14.0              | 0.938                         | 7.07      | 198.7           |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-5           | 12-Mar-21            | 5453.77                                  |                           | 40.23                      |                            | 5413.54                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-5           | 10-Jun-21            | 5453.77                                  |                           | 40.95                      |                            | 5412.82                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-5           | 21-Sep-21            | 5453.77                                  |                           | 37.04                      |                            | 5416.73                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-5           | 9-Dec-21             | 5453.77                                  |                           | 37.65                      |                            | 5416.12                                |                                                  | 14.3              | 1.160                         | 6.29      | 54.4            |
|                |                      |                                          |                           |                            |                            |                                        |                                                  |                   |                               |           |                 |
| MW-6           | 23-Aug-13            | 5452.29                                  |                           | 34.56                      |                            | 5417.73                                |                                                  | 15.5              | 1.638                         | 7.01      | 108.8           |
| MW-6           | 11-Nov-13            | 5452.29                                  |                           | 33.84                      |                            | 5418.45                                |                                                  | 13.2              | NM                            |           |                 |
| MW-6           | 10-Feb-14            | 5452.29                                  |                           | 37.06                      |                            | 5415.23                                |                                                  | 13.2              | 0.922                         | 7.38      | NM              |
| MW-6           | 27-May-14            | 5452.29                                  |                           | 39.25                      |                            | 5413.04                                |                                                  | 15.6              | 1.018                         | 7.64      | 143.1           |
| MW-6           | 18-Dec-14            | 5452.29                                  |                           | 34.79                      |                            | 5417.50                                |                                                  | 12.7              | 1.098                         | 7.34      | 71.7            |
| MW-6           | 3-Jun-15             | 5452.29                                  |                           | 38.81                      |                            | 5413.48                                |                                                  | 16.7              | 0.900                         | 6.46      | 81.6            |
| MW-6           | 17-Sep-15            | 5452.29                                  |                           | 35.94                      |                            | 5416.35                                |                                                  | 14.9              | 1.431                         | 6.92      | -36.7           |
| MW-6           | 8-Dec-15             | 5452.29                                  |                           | 35.34                      |                            | 5416.95                                |                                                  | 14.2              | 0.931                         | 7.65      | -219.3          |
| MW-6           | 10-Mar-16            | 5452.29                                  |                           | 38.62                      |                            | 5413.67                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 15-Jun-16            | 5452.29                                  |                           | 39.92                      |                            | 5412.37                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 28-Sep-16            | 5452.29                                  |                           | 36.12                      |                            | 5416.17                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 20-Dec-16            | 5452.29                                  |                           | 36.73                      |                            | 5415.56                                |                                                  | 14.4              | 1.299                         | 7.33      | 99.9            |
| MW-6           | 14-Mar-17            | 5452.29                                  |                           | 39.58                      |                            | 5412.71                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 16-Jun-17            | 5452.29                                  |                           | 40.42                      |                            | 5411.87                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 22-Sep-17            | 5452.29                                  |                           | 37.82                      |                            | 5414.47                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 12-Dec-17            | 5452.29                                  |                           | 38.31                      |                            | 5413.98                                |                                                  | NM - Gauge only   |                               |           |                 |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-6           | 9-Mar-18             | 5452.29                                  |                           | 40.81                      |                            | 5411.48                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 5-Jun-18             | 5452.29                                  |                           | 41.41                      |                            | 5410.88                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 5-Sep-18             | 5452.29                                  |                           | 37.18                      |                            | 5415.11                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 6-Dec-18             | 5452.29                                  |                           | 35.31                      |                            | 5416.98                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 7-Mar-19             | 5452.29                                  |                           | 38.39                      |                            | 5413.90                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 12-Jul-19            | 5452.29                                  |                           | 37.17                      |                            | 5415.12                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 24-Sep-19            | 5452.29                                  |                           | 34.73                      |                            | 5417.56                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 19-Dec-19            | 5452.29                                  |                           | 34.88                      |                            | 5417.41                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 20-Mar-20            | 5452.29                                  |                           | 38.49                      |                            | 5413.80                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 25-Jun-20            | 5452.29                                  |                           | 37.85                      |                            | 5414.44                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 1-Oct-20             | 5452.29                                  |                           | 34.81                      |                            | 5417.48                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 15-Dec-20            | 5452.29                                  |                           | 35.88                      |                            | 5416.41                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 12-Mar-21            | 5452.29                                  |                           | 38.86                      |                            | 5413.43                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 10-Jun-21            | 5452.29                                  |                           | 39.41                      |                            | 5412.88                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 21-Sep-21            | 5452.29                                  |                           | 35.56                      |                            | 5416.73                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-6           | 9-Dec-21             | 5452.29                                  |                           | 36.16                      |                            | 5416.13                                |                                                  | NM - Gauge only   |                               |           |                 |
|                |                      |                                          |                           |                            |                            |                                        |                                                  |                   |                               |           |                 |
| MW-7           | 23-Aug-13            | 5454.98                                  |                           | 37.11                      |                            | 5417.87                                |                                                  | 15.6              | 1.337                         | 7.06      | -3.6            |
| MW-7           | 11-Nov-13            | 5454.98                                  |                           | 36.42                      |                            | 5418.56                                |                                                  | 14.4              | NM                            |           |                 |
| MW-7           | 10-Feb-14            | 5454.98                                  |                           | 39.66                      |                            | 5415.32                                |                                                  | 14.5              | 0.698                         | 7.50      | NM              |
| MW-7           | 27-May-14            | 5454.98                                  |                           | 41.88                      |                            | 5413.10                                |                                                  | 17.1              | 0.711                         | 6.65      | -89.0           |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-7           | 18-Dec-14            | 5454.98                                  |                           | 37.47                      |                            | 5417.51                                |                                                  | 13.3              | 0.902                         | 7.40      | 74.0            |
| MW-7           | 3-Jun-15             | 5454.98                                  |                           | 41.41                      |                            | 5413.57                                |                                                  | 16.2              | 0.742                         | 6.58      | -117.1          |
| MW-7           | 17-Sep-15            | 5454.98                                  |                           | 38.38                      |                            | 5416.60                                |                                                  | 15.2              | 1.255                         | 6.71      | -76.0           |
| MW-7           | 8-Dec-15             | 5454.98                                  |                           | 37.95                      |                            | 5417.03                                |                                                  | 14.7              | 0.709                         | 7.56      | -279.8          |
| MW-7           | 10-Mar-16            | 5454.98                                  |                           | 41.23                      |                            | 5413.75                                |                                                  | 14.6              | 0.806                         | 7.07      | -99.9           |
| MW-7           | 15-Jun-16            | 5454.98                                  |                           | 42.47                      |                            | 5412.51                                |                                                  | 15.5              | 0.760                         | 6.78      | -84.4           |
| MW-7           | 13-Oct-16            | 5454.98                                  |                           | 37.22                      |                            | 5417.76                                |                                                  | 15.6              | 0.765                         | 7.15      | -49.6           |
| MW-7           | 20-Dec-16            | 5454.98                                  |                           | 39.28                      |                            | 5415.70                                |                                                  | 14.4              | 0.808                         | 7.39      | -47.1           |
| MW-7           | 14-Mar-17            | 5454.98                                  |                           | 42.17                      |                            | 5412.81                                |                                                  | 14.8              | 0.756                         | 7.67      | -71.4           |
| MW-7           | 16-Jun-17            | 5454.98                                  |                           | 42.94                      |                            | 5412.04                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 15-Sep-17            | 5454.98                                  |                           | 40.44                      |                            | 5414.54                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 12-Dec-17            | 5454.98                                  |                           | 40.87                      |                            | 5414.11                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 9-Mar-18             | 5454.98                                  |                           | 43.42                      |                            | 5411.56                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 5-Jun-18             | 5454.98                                  |                           | 44.00                      |                            | 5410.98                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 5-Sep-18             | 5454.98                                  |                           | 39.51                      |                            | 5415.47                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 6-Dec-18             | 5454.98                                  |                           | 37.84                      |                            | 5417.14                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 7-Mar-19             | 5454.98                                  |                           | 40.95                      |                            | 5414.03                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 2-Jul-19             | 5454.98                                  |                           | 40.93                      |                            | 5414.05                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 24-Sep-19            | 5454.98                                  |                           | 37.18                      |                            | 5417.80                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 19-Dec-19            | 5454.98                                  |                           | 37.74                      |                            | 5417.24                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 20-Mar-20            | 5454.98                                  |                           | 41.13                      |                            | 5413.85                                |                                                  | NM - Gauge only   |                               |           |                 |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-7           | 25-Jun-20            | 5454.98                                  |                           | 40.34                      |                            | 5414.64                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 1-Oct-20             | 5454.98                                  |                           | 36.82                      |                            | 5418.16                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 15-Dec-20            | 5454.98                                  |                           | 38.39                      |                            | 5416.59                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 12-Mar-21            | 5454.98                                  |                           | 41.44                      |                            | 5413.54                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 10-Jun-21            | 5454.98                                  |                           | 41.82                      |                            | 5413.16                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 21-Sep-21            | 5454.98                                  |                           | 37.79                      |                            | 5417.19                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-7           | 9-Dec-21             | 5454.98                                  |                           | 38.68                      |                            | 5416.30                                |                                                  | NM - Gauge only   |                               |           |                 |
|                |                      |                                          |                           |                            |                            |                                        |                                                  |                   |                               |           |                 |
| MW-8           | 23-Aug-13            | 5453.20                                  |                           | 35.41                      |                            | 5417.79                                |                                                  | 16.1              | 1.261                         | 7.29      | 89.4            |
| MW-8           | 11-Nov-13            | 5453.20                                  |                           | 34.31                      |                            | 5418.89                                |                                                  | 14.9              | NM                            |           |                 |
| MW-8           | 10-Feb-14            | 5453.20                                  |                           | 37.86                      |                            | 5415.34                                |                                                  | 14.5              | 0.552                         | 8.01      | NM              |
| MW-8           | 27-May-14            | 5453.20                                  |                           | 39.99                      |                            | 5413.21                                |                                                  | 16.1              | 0.622                         | 6.93      | 67.0            |
| MW-8           | 18-Dec-14            | 5453.20                                  |                           | 35.51                      |                            | 5417.69                                |                                                  | 13.5              | 0.670                         | 7.50      | 69.0            |
| MW-8           | 3-Jun-15             | 5453.20                                  |                           | 39.20                      |                            | 5414.00                                |                                                  | 17.2              | 0.652                         | 6.95      | 114.2           |
| MW-8           | 17-Sep-15            | 5453.20                                  |                           | 36.55                      |                            | 5416.65                                |                                                  | 15.0              | 1.065                         | 7.06      | 101.4           |
| MW-8           | 8-Dec-15             | 5453.20                                  |                           | 35.95                      |                            | 5417.25                                |                                                  | 14.6              | 0.532                         | 8.09      | -201.4          |
| MW-8           | 10-Mar-16            | 5453.20                                  |                           | 39.41                      |                            | 5413.79                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 15-Jun-16            | 5453.20                                  |                           | 40.65                      |                            | 5412.55                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 28-Sep-16            | 5453.20                                  |                           | 36.69                      |                            | 5416.51                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 20-Dec-16            | 5453.20                                  |                           | 37.24                      |                            | 5415.96                                |                                                  | 14.3              | 0.621                         | 7.54      | 174.9           |
| MW-8           | 14-Mar-17            | 5453.20                                  |                           | 40.38                      |                            | 5412.82                                |                                                  | NM - Gauge only   |                               |           |                 |



TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-8           | 16-Jun-17            | 5453.20                                  |                           | 39.88                      |                            | 5413.32                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 15-Sep-17            | 5453.20                                  |                           | 38.61                      |                            | 5414.59                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 12-Dec-17            | 5453.20                                  |                           | 39.01                      |                            | 5414.19                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 9-Mar-18             | 5453.20                                  |                           | 41.69                      |                            | 5411.51                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 5-Jun-18             | 5453.20                                  |                           | 42.05                      |                            | 5411.15                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 5-Sep-18             | 5453.20                                  |                           | 37.77                      |                            | 5415.43                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 6-Dec-18             | 5453.20                                  |                           | 35.95                      |                            | 5417.25                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 7-Mar-19             | 5453.20                                  |                           | 39.20                      |                            | 5414.00                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 2-Jul-19             | 5453.20                                  |                           | 39.00                      |                            | 5414.20                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 24-Sep-19            | 5453.20                                  |                           | 35.34                      |                            | 5417.86                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 19-Dec-19            | 5453.20                                  |                           | 35.83                      |                            | 5417.37                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 20-Mar-20            | 5453.20                                  |                           | 38.51                      |                            | 5414.69                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 25-Jun-20            | 5453.20                                  |                           | 38.32                      |                            | 5414.88                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 1-Oct-20             | 5453.20                                  |                           | 34.75                      |                            | 5418.45                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 15-Dec-20            | 5453.20                                  |                           | 36.50                      |                            | 5416.70                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 12-Mar-21            | 5453.20                                  |                           | 39.67                      |                            | 5413.53                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 10-Jun-21            | 5453.20                                  |                           | 39.92                      |                            | 5413.28                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 21-Sep-21            | 5453.20                                  |                           | 35.84                      |                            | 5417.36                                |                                                  | NM - Gauge only   |                               |           |                 |
| MW-8           | 9-Dec-21             | 5453.20                                  |                           | 36.84                      |                            | 5416.36                                |                                                  | NM - Gauge only   |                               |           |                 |
|                |                      |                                          |                           |                            |                            |                                        |                                                  |                   |                               |           |                 |
| MW-9           | 27-May-14            | NS                                       |                           | 44.47                      | 0.02                       | --                                     | --                                               | NM                |                               |           |                 |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b> | <b>Date Measured</b> | <b>Top of Casing Elevation (ft amsl)</b> | <b>Depth to NAPL (ft)</b> | <b>Depth to Water (ft)</b> | <b>NAPL thickness (ft)</b> | <b>Water Level Elevation (ft amsl)</b> | <b>Corrected Water Level Elevation (ft amsl)</b> | <b>Temp. (°C)</b> | <b>Specific Conduct. (mS)</b> | <b>pH</b> | <b>ORP (mV)</b> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-9           | 18-Dec-14            | NS                                       |                           | 40.08                      |                            | --                                     |                                                  | 12.0              | 0.942                         | 7.44      | 105.2           |
| MW-9           | 3-Jun-15             | NS                                       |                           | 44.00                      |                            | --                                     |                                                  | 17.4              | 0.860                         | 6.47      | -76.1           |
| MW-9           | 17-Sep-15            | NS                                       |                           | 41.01                      |                            | --                                     |                                                  | 16.5              | 1.438                         | 6.64      | -92.8           |
| MW-9           | 8-Dec-15             | NS                                       |                           | 40.52                      |                            | --                                     |                                                  | 15.0              | 0.849                         | 7.26      | -166.4          |
| MW-9           | 10-Mar-16            | NS                                       |                           | 43.78                      |                            | --                                     |                                                  | 15.5              | 1.048                         | 6.67      | -81.4           |
| MW-9           | 15-Jun-16            | NS                                       |                           | 45.03                      |                            | --                                     |                                                  | 16.4              | 1.109                         | 6.53      | -89.3           |
| MW-9           | 28-Sep-16            | NS                                       |                           | 41.09                      |                            | --                                     |                                                  | 15.9              | 1.047                         | 6.87      | -89.2           |
| MW-9           | 20-Dec-16            | NS                                       |                           | 41.86                      |                            | --                                     |                                                  | 15.1              | 0.995                         | 7.16      | -92.4           |
| MW-9           | 14-Mar-17            | NS                                       |                           | 44.72                      |                            | --                                     |                                                  | 15.8              | 1.046                         | 7.55      | -87.0           |
| MW-9           | 16-Jun-17            | NS                                       | 45.46                     | 45.88                      | 0.42                       | --                                     | --                                               | NM - 0.42 ft NAPL |                               |           |                 |
| MW-9           | 15-Sep-17            | NS                                       | 43.08                     | 43.09                      | 0.01                       | --                                     | --                                               | NM - 0.01 ft NAPL |                               |           |                 |
| MW-9           | 12-Dec-17            | NS                                       | 43.43                     | 43.45                      | 0.02                       | --                                     | --                                               | NM - 0.02 ft NAPL |                               |           |                 |
| MW-9           | 9-Mar-18             | NS                                       | 45.65                     | 45.76                      | 0.11                       | --                                     | --                                               | NM - 0.11 ft NAPL |                               |           |                 |
| MW-9           | 5-Jun-18             | NS                                       | 46.45                     | 47.01                      | 0.56                       | --                                     | --                                               | NM - 0.56 ft NAPL |                               |           |                 |
| MW-9           | 5-Sep-18             | NS                                       | 42.10                     | 42.11                      | 0.01                       | --                                     | --                                               | NM - 0.01 ft NAPL |                               |           |                 |
| MW-9           | 6-Dec-18             | NS                                       | 40.45                     | 40.45                      |                            | --                                     | --                                               | NM - NAPL SHEEN   |                               |           |                 |
| MW-9           | 7-Mar-19             | NS                                       | 43.53                     | 43.53                      |                            | --                                     | --                                               | NM - NAPL SHEEN   |                               |           |                 |
| MW-9           | 2-Jul-19             | NS                                       | 43.34                     | 43.35                      | 0.01                       | --                                     | --                                               | NM - 0.01 ft NAPL |                               |           |                 |
| MW-9           | 24-Sep-19            | NS                                       | 39.76                     | 39.76                      | 0.01                       | --                                     | --                                               | NM - NAPL SHEEN   |                               |           |                 |
| MW-9           | 19-Dec-19            | NS                                       | --                        | 40.32                      |                            | --                                     | --                                               | NM - NAPL SHEEN   |                               |           |                 |
| MW-9           | 20-Mar-20            | NS                                       | --                        | 43.66                      |                            | --                                     | --                                               | NM - NAPL SHEEN   |                               |           |                 |

TABLE 1  
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <i>Well ID</i> | <i>Date Measured</i> | <i>Top of Casing Elevation (ft amsl)</i> | <i>Depth to NAPL (ft)</i> | <i>Depth to Water (ft)</i> | <i>NAPL thickness (ft)</i> | <i>Water Level Elevation (ft amsl)</i> | <i>Corrected Water Level Elevation (ft amsl)</i> | <i>Temp. (°C)</i> | <i>Specific Conduct. (mS)</i> | <i>pH</i> | <i>ORP (mV)</i> |
|----------------|----------------------|------------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------------------|--------------------------------------------------|-------------------|-------------------------------|-----------|-----------------|
| MW-9           | 25-Jun-20            | NS                                       | 42.92                     | 42.92                      |                            | --                                     | --                                               | NM - NAPL SHEEN   |                               |           |                 |
| MW-9           | 1-Oct-20             | NS                                       | --                        | 39.54                      |                            | --                                     | --                                               | NM - NAPL SHEEN   |                               |           |                 |
| MW-9           | 15-Dec-20            | NS                                       | --                        | 41.03                      |                            | --                                     | --                                               | NM - NAPL SHEEN   |                               |           |                 |
| MW-9           | 12-Mar-21            | NS                                       | --                        | 43.95                      |                            | --                                     | --                                               | NM - NAPL SHEEN   |                               |           |                 |
| MW-9           | 10-Jun-21            | NS                                       | 44.42                     | 44.46                      | 0.04                       | --                                     | --                                               | NM - 0.04 ft NAPL |                               |           |                 |
| MW-9           | 21-Sep-21            | NS                                       | 40.49                     | 40.50                      | 0.01                       | --                                     | --                                               | NM - 0.01 ft NAPL |                               |           |                 |
| MW-9           | 9-Dec-21             | NS                                       | 41.27                     | 41.28                      | 0.01                       | --                                     | --                                               | NM - 0.01 ft NAPL |                               |           |                 |

**Notes:** NM - Not Measured  
NS - Not Surveyed (MW-9)  
ORP - Oxidation Reduction Potential

TABLE 2  
SUMMARY OF GROUNDWATER LABORATORY ANALYTICAL RESULTS  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <i>Well ID</i>        | <i>Sample Date</i> | <i>Benzene<br/>(µg/L)</i>     | <i>Toluene<br/>(µg/L)</i> | <i>Ethyl-<br/>Benzene<br/>(µg/L)</i> | <i>Total<br/>Xylenes<br/>(µg/L)</i> |
|-----------------------|--------------------|-------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| <i>Sample Method</i>  |                    | <b>EPA Method 8021B/8260B</b> |                           |                                      |                                     |
| <i>WQCC Standards</i> |                    | <b>5</b>                      | <b>1,000</b>              | <b>700</b>                           | <b>620</b>                          |
| <b>MW-1*</b>          | 14-Mar-13          | <b>24</b>                     | 289                       | 401                                  | <b>3,290</b>                        |
| <b>MW-1</b>           | 6-May-13           | <10                           | 77                        | 470                                  | <b>3,900</b>                        |
| <b>MW-1</b>           | 23-Aug-13          | <10                           | 110                       | 470                                  | <b>4,000</b>                        |
| <b>MW-1</b>           | 11-Nov-13          | <5.0                          | 92                        | 360                                  | <b>3,200</b>                        |
| <b>MW-1</b>           | 14-Nov-13          | <10                           | 85                        | 220                                  | <b>2,300</b>                        |
| <b>MW-1</b>           | 10-Feb-14          | <5.0                          | 42                        | 470                                  | <b>4,100</b>                        |
| <b>MW-1</b>           | 27-May-14          | <5.0                          | 8.7                       | 260                                  | <b>1,700</b>                        |
| <b>MW-1</b>           | 18-Dec-14          | <5.0                          | 5.5                       | 78                                   | 600                                 |
| <b>MW-1</b>           | 3-Jun-15           | <5.0                          | 6.4                       | 250                                  | <b>1,100</b>                        |
| <b>MW-1</b>           | 17-Sep-15          | <5.0                          | <5.0                      | 240                                  | 580                                 |
| <b>MW-1</b>           | 8-Dec-15           | <5.0                          | <5.0                      | 300                                  | <b>2,100</b>                        |
| <b>MW-1</b>           | 10-Mar-16          | <5.0                          | <5.0                      | 520                                  | <b>3,400</b>                        |
| <b>MW-1</b>           | 15-Jun-16          | <5.0                          | <5.0                      | 110                                  | 130                                 |
| <b>MW-1</b>           | 28-Sep-16          | <5.0                          | <5.0                      | 120                                  | 400                                 |
| <b>MW-1</b>           | 20-Dec-16          | <1.0                          | <1.0                      | 270                                  | <b>1,400</b>                        |
| <b>MW-1</b>           | 14-Mar-17          | <2.0                          | <2.0                      | 130                                  | <b>730</b>                          |
| <b>MW-1</b>           | 15-Jun-17          | <2.0                          | <2.0                      | 50                                   | < 4.0                               |
| <b>MW-1</b>           | 15-Sep-17          | 1.6                           | <1.0                      | 65                                   | 280                                 |
| <b>MW-1</b>           | 12-Dec-17          | 1.8                           | <1.0                      | 94                                   | 230                                 |
| <b>MW-1</b>           | 9-Mar-18           | <1.0                          | <1.0                      | 17                                   | 2.2                                 |
| <b>MW-1</b>           | 5-Jun-18           | 1.0                           | <1.0                      | 22                                   | 14                                  |
| <b>MW-1</b>           | 5-Sep-18           | <1.0                          | <1.0                      | 27                                   | 43                                  |
| <b>MW-1</b>           | 6-Dec-18           | 4.2                           | 5.5                       | 110                                  | 260                                 |
| <b>MW-1</b>           | 7-Mar-19           | <b>6.4</b>                    | 3.1                       | 130                                  | 300                                 |
| <b>MW-1</b>           | 2-Jul-19           | 1.5                           | <1.0                      | 39                                   | 22                                  |
| <b>MW-1</b>           | 24-Sep-19          | 1.9                           | 4.2                       | 54                                   | 160                                 |
| <b>MW-1</b>           | 19-Dec-19          | 1.2                           | 4.6                       | 55                                   | 220                                 |
| <b>MW-1</b>           | 20-Mar-20          | <1.0                          | 1.6                       | 110                                  | 410                                 |
| <b>MW-1</b>           | 25-Jun-20          | <2.0                          | <2.0                      | 47                                   | 75                                  |
| <b>MW-1</b>           | 1-Oct-20           | 1.1                           | <2.0                      | 110                                  | 84                                  |

TABLE 2  
SUMMARY OF GROUNDWATER LABORATORY ANALYTICAL RESULTS  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <b>Well ID</b>        | <b>Sample Date</b> | <b>Benzene<br/>(µg/L)</b>     | <b>Toluene<br/>(µg/L)</b> | <b>Ethyl-<br/>Benzene<br/>(µg/L)</b> | <b>Total<br/>Xylenes<br/>(µg/L)</b> |
|-----------------------|--------------------|-------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| <b>Sample Method</b>  |                    | <b>EPA Method 8021B/8260B</b> |                           |                                      |                                     |
| <b>WQCC Standards</b> |                    | <b>5</b>                      | <b>1,000</b>              | <b>700</b>                           | <b>620</b>                          |
| <b>MW-1</b>           | 15-Dec-20          | <2.0                          | <2.0                      | 140                                  | 420                                 |
| <b>MW-1</b>           | 12-Mar-21          | <2.0                          | <2.0                      | 47                                   | 220                                 |
|                       |                    |                               |                           |                                      |                                     |
| <b>MW-3</b>           | 6-May-13           | <b>16,000</b>                 | <b>27,000</b>             | <b>1,000</b>                         | <b>9,500</b>                        |
| <b>MW-3</b>           | 23-Aug-13          | <b>18,000</b>                 | <b>27,000</b>             | <b>1,300</b>                         | <b>12,000</b>                       |
| <b>MW-3</b>           | 11-Nov-13          | <b>2,300</b>                  | 320                       | 170                                  | <b>910</b>                          |
| <b>MW-3</b>           | 14-Nov-13          | <b>1,500</b>                  | 280                       | 54                                   | 550                                 |
| <b>MW-3</b>           | 10-Feb-14          | <b>9,100</b>                  | <b>8,800</b>              | 670                                  | <b>5,300</b>                        |
| <b>MW-3</b>           | 27-May-14          | <b>14,000</b>                 | <b>22,000</b>             | <b>860</b>                           | <b>6,300</b>                        |
| <b>MW-3</b>           | 18-Dec-14          | <b>1,500</b>                  | <b>1,000</b>              | 61                                   | 610                                 |
| <b>MW-3</b>           | 3-Jun-15           | <b>14,000</b>                 | <b>16,000</b>             | <b>860</b>                           | <b>7,800</b>                        |
| <b>MW-3</b>           | 17-Sep-15          | <b>13,000</b>                 | <b>16,000</b>             | <b>970</b>                           | <b>9,100</b>                        |
| <b>MW-3</b>           | 8-Dec-15           | <b>10,000</b>                 | <b>8,700</b>              | 620                                  | <b>6,100</b>                        |
| <b>MW-3</b>           | 10-Mar-16          | <b>10,000</b>                 | <b>7,200</b>              | <b>760</b>                           | <b>7,300</b>                        |
| <b>MW-3</b>           | 15-Jun-16          | <b>15,000</b>                 | <b>16,000</b>             | <b>900</b>                           | <b>8,700</b>                        |
| <b>MW-3</b>           | 28-Sep-16          | <b>10,000</b>                 | <b>15,000</b>             | <b>910</b>                           | <b>11,000</b>                       |
| <b>MW-3</b>           | 20-Dec-16          | <b>13,000</b>                 | <b>17,000</b>             | <b>940</b>                           | <b>9,500</b>                        |
| <b>MW-3</b>           | 14-Mar-17          | <b>13,000</b>                 | <b>6,300</b>              | <b>860</b>                           | <b>8,500</b>                        |
| <b>MW-3</b>           | 15-Jun-17          | <b>14,000</b>                 | <b>13,000</b>             | <b>820</b>                           | <b>7,700</b>                        |
| <b>MW-3</b>           | 15-Sep-17          | <b>12,000</b>                 | <b>16,000</b>             | <b>950</b>                           | <b>10,000</b>                       |
| <b>MW-3</b>           | 12-Dec-17          | <b>12,000</b>                 | <b>16,000</b>             | <b>850</b>                           | <b>9,200</b>                        |
| <b>MW-3</b>           | 9-Mar-18           | <b>14,000</b>                 | <b>14,000</b>             | <b>880</b>                           | <b>8,700</b>                        |
| <b>MW-3</b>           | 5-Jun-18           | <b>17,000</b>                 | <b>15,000</b>             | <b>970</b>                           | <b>9,100</b>                        |
| <b>MW-3</b>           | 5-Sep-18           | <b>53</b>                     | 42                        | 2.9                                  | 43                                  |
| <b>MW-3</b>           | 6-Dec-18           | <b>10,000</b>                 | <b>10,000</b>             | 570                                  | <b>8,700</b>                        |
| <b>MW-3</b>           | 7-Mar-19           | <b>8,400</b>                  | <b>5,400</b>              | 510                                  | <b>6,800</b>                        |
| <b>MW-3</b>           | 2-Jul-19           | <b>7,500</b>                  | <b>4,100</b>              | 310                                  | <b>6,500</b>                        |
| <b>MW-3</b>           | 24-Sep-19          | <b>9,600</b>                  | <b>4,600</b>              | 680                                  | <b>8,400</b>                        |
| <b>MW-3</b>           | 19-Dec-19          | <b>2,300</b>                  | 530                       | 190                                  | <b>1,700</b>                        |
| <b>MW-3</b>           | 20-Mar-20          | <b>6,900</b>                  | <b>3,000</b>              | 440                                  | <b>4,100</b>                        |

TABLE 2  
SUMMARY OF GROUNDWATER LABORATORY ANALYTICAL RESULTS  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <i>Well ID</i>        | <i>Sample Date</i> | <i>Benzene<br/>(µg/L)</i>     | <i>Toluene<br/>(µg/L)</i> | <i>Ethyl-<br/>Benzene<br/>(µg/L)</i> | <i>Total<br/>Xylenes<br/>(µg/L)</i> |
|-----------------------|--------------------|-------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| <i>Sample Method</i>  |                    | <b>EPA Method 8021B/8260B</b> |                           |                                      |                                     |
| <i>WQCC Standards</i> |                    | <b>5</b>                      | <b>1,000</b>              | <b>700</b>                           | <b>620</b>                          |
| <b>MW-3</b>           | 25-Jun-20          | <b>13,000</b>                 | <b>16,000</b>             | <b>830</b>                           | <b>8,200</b>                        |
| <b>MW-3</b>           | 1-Oct-20           | <b>10,000</b>                 | <b>12,000</b>             | <b>800</b>                           | <b>9,200</b>                        |
| <b>MW-3</b>           | 15-Dec-20          | <b>11,000</b>                 | <b>8,300</b>              | <b>770</b>                           | <b>9,100</b>                        |
| <b>MW-3</b>           | 12-Mar-21          | <b>9,700</b>                  | <b>8,900</b>              | <b>690</b>                           | <b>7,600</b>                        |
| <b>MW-3</b>           | 10-Jun-21          | <b>14,000</b>                 | <b>20,000</b>             | <b>980</b>                           | <b>8,900</b>                        |
| <b>MW-3</b>           | 21-Sep-21          | <b>12,000</b>                 | <b>13,000</b>             | <b>720</b>                           | <b>9,100</b>                        |
| <b>MW-3</b>           | 9-Dec-21           | <b>12,000</b>                 | <b>11,000</b>             | <b>740</b>                           | <b>9,300</b>                        |
|                       |                    |                               |                           |                                      |                                     |
| <b>MW-4</b>           | 6-May-13           | <b>8,500</b>                  | <b>29,000</b>             | <b>1,100</b>                         | <b>10,000</b>                       |
| <b>MW-4</b>           | 23-Aug-13          | <b>15,000</b>                 | <b>28,000</b>             | <b>1,200</b>                         | <b>11,000</b>                       |
| <b>MW-4</b>           | 11-Oct-13          | <b>9,300</b>                  | <b>16,000</b>             | <b>720</b>                           | <b>6,800</b>                        |
| <b>MW-4</b>           | 11-Nov-13          | <b>89</b>                     | <b>87</b>                 | <b>8.8</b>                           | <b>68</b>                           |
| <b>MW-4</b>           | 14-Nov-13          | <b>&lt;5.0</b>                | <b>140</b>                | <b>350</b>                           | <b>3,500</b>                        |
| <b>MW-4</b>           | 10-Feb-14          | <b>1,300</b>                  | <b>1,100</b>              | <b>150</b>                           | <b>1,300</b>                        |
| <b>MW-4</b>           | 27-May-14          | <b>610</b>                    | <b>3,300</b>              | <b>220</b>                           | <b>1,800</b>                        |
| <b>MW-4</b>           | 18-Dec-14          | <b>28</b>                     | <b>35</b>                 | <b>5.5</b>                           | <b>46</b>                           |
| <b>MW-4</b>           | 3-Jun-15           | <b>2,400</b>                  | <b>7,000</b>              | <b>320</b>                           | <b>2,400</b>                        |
| <b>MW-4</b>           | 17-Sep-15          | <b>6,400</b>                  | <b>22,000</b>             | <b>700</b>                           | <b>5,900</b>                        |
| <b>MW-4</b>           | 8-Dec-15           | <b>22</b>                     | <b>39</b>                 | <b>7.6</b>                           | <b>70</b>                           |
| <b>MW-4</b>           | 10-Mar-16          | <b>100</b>                    | <b>290</b>                | <b>97</b>                            | <b>430</b>                          |
| <b>MW-4</b>           | 15-Jun-16          | <b>210</b>                    | <b>270</b>                | <b>120</b>                           | <b>550</b>                          |
| <b>MW-4</b>           | 28-Sep-16          | <b>3,400</b>                  | <b>4,600</b>              | <b>380</b>                           | <b>2,700</b>                        |
| <b>MW-4</b>           | 20-Dec-16          | <b>90</b>                     | <b>68</b>                 | <b>34</b>                            | <b>230</b>                          |
| <b>MW-4</b>           | 14-Mar-17          | <b>180</b>                    | <b>190</b>                | <b>87</b>                            | <b>530</b>                          |
| <b>MW-4</b>           | 15-Jun-17          | <b>550</b>                    | <b>350</b>                | <b>120</b>                           | <b>740</b>                          |
| <b>MW-4</b>           | 15-Sep-17          | <b>2,400</b>                  | <b>4,300</b>              | <b>300</b>                           | <b>2,700</b>                        |
| <b>MW-4</b>           | 12-Dec-17          | <b>2,300</b>                  | <b>4,600</b>              | <b>290</b>                           | <b>2,400</b>                        |
| <b>MW-4</b>           | 9-Mar-18           | <b>1,600</b>                  | <b>2,900</b>              | <b>240</b>                           | <b>2,400</b>                        |
| <b>MW-4</b>           | 5-Jun-18           | <b>0.07 FEET NAPL</b>         |                           |                                      |                                     |
| <b>MW-4</b>           | 5-Sep-18           | <b>83</b>                     | <b>15,000</b>             | <b>19</b>                            | <b>180</b>                          |



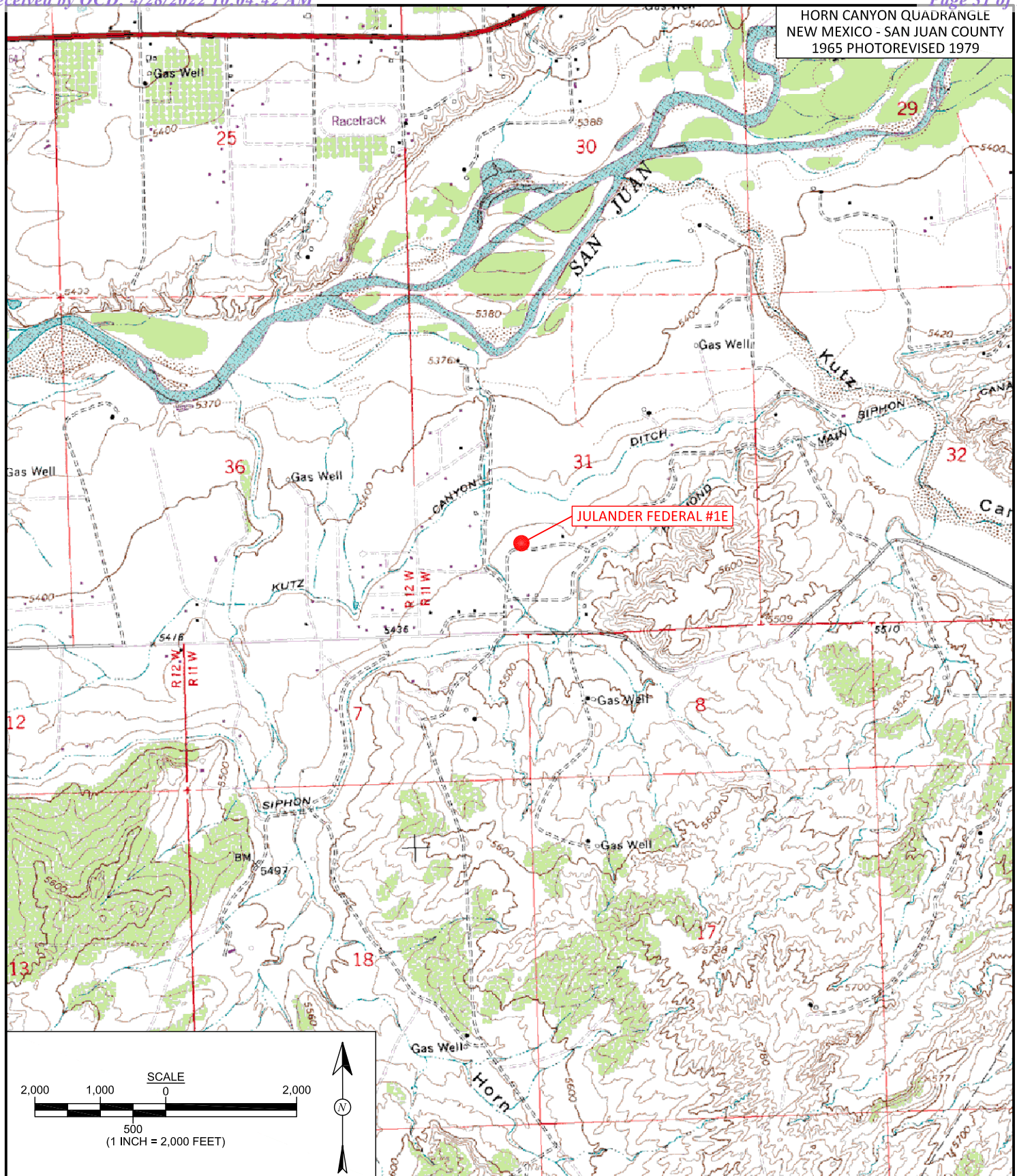
TABLE 2  
SUMMARY OF GROUNDWATER LABORATORY ANALYTICAL RESULTS  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <i>Well ID</i>        | <i>Sample Date</i> | <i>Benzene<br/>(µg/L)</i>     | <i>Toluene<br/>(µg/L)</i> | <i>Ethyl-<br/>Benzene<br/>(µg/L)</i> | <i>Total<br/>Xylenes<br/>(µg/L)</i> |
|-----------------------|--------------------|-------------------------------|---------------------------|--------------------------------------|-------------------------------------|
| <i>Sample Method</i>  |                    | <b>EPA Method 8021B/8260B</b> |                           |                                      |                                     |
| <i>WQCC Standards</i> |                    | <b>5</b>                      | <b>1,000</b>              | <b>700</b>                           | <b>620</b>                          |
| <b>MW-4</b>           | 6-Dec-18           | <b>67</b>                     | 230                       | 41                                   | 440                                 |
| <b>MW-4</b>           | 7-Mar-19           | <b>480</b>                    | <b>2,700</b>              | 310                                  | <b>2,600</b>                        |
| <b>MW-4</b>           | 2-Jul-19           | <b>1,100</b>                  | <b>2,800</b>              | 270                                  | <b>3,200</b>                        |
| <b>MW-4</b>           | 24-Sep-19          | <b>2,600</b>                  | <b>9,000</b>              | 490                                  | <b>4,900</b>                        |
| <b>MW-4</b>           | 19-Dec-19          | 2.3                           | 7.7                       | 12                                   | 100                                 |
| <b>MW-4</b>           | 20-Mar-20          | <b>70</b>                     | 290                       | 54                                   | 340                                 |
| <b>MW-4</b>           | 25-Jun-20          | <b>230</b>                    | 180                       | 50                                   | 430                                 |
| <b>MW-4</b>           | 1-Oct-20           | <b>13</b>                     | 7.6                       | 7.4                                  | 51                                  |
| <b>MW-4</b>           | 15-Dec-20          | <b>11</b>                     | <1.0                      | 6.9                                  | 31                                  |
| <b>MW-4</b>           | 12-Mar-21          | 3.7                           | 6.6                       | <1.0                                 | 74                                  |
| <b>MW-4</b>           | 10-Jun-21          | <b>150</b>                    | 47                        | 26                                   | 330                                 |
| <b>MW-4</b>           | 21-Sep-21          | <b>870</b>                    | <b>1,400</b>              | 100                                  | <b>840</b>                          |
| <b>MW-4</b>           | 9-Dec-21           | <b>25</b>                     | <10                       | 21                                   | 140                                 |
|                       |                    |                               |                           |                                      |                                     |
| <b>MW-9</b>           | 27-May-14          | 0.02 FEET NAPL                |                           |                                      |                                     |
| <b>MW-9</b>           | 18-Dec-14          | <b>6,600</b>                  | <b>17,000</b>             | <b>750</b>                           | <b>7,400</b>                        |
| <b>MW-9</b>           | 3-Jun-15           | <b>4,000</b>                  | <b>13,000</b>             | 610                                  | <b>5,600</b>                        |
| <b>MW-9</b>           | 17-Sep-15          | <b>6,400</b>                  | <b>13,000</b>             | 560                                  | <b>5,000</b>                        |
| <b>MW-9</b>           | 8-Dec-15           | <b>9,600</b>                  | <b>17,000</b>             | 620                                  | <b>5,600</b>                        |
| <b>MW-9</b>           | 10-Mar-16          | <b>9,600</b>                  | <b>18,000</b>             | 690                                  | <b>6,800</b>                        |
| <b>MW-9</b>           | 15-Jun-16          | <b>6,800</b>                  | <b>13,000</b>             | 620                                  | <b>6,000</b>                        |
| <b>MW-9</b>           | 28-Sep-16          | <b>8,600</b>                  | <b>17,000</b>             | 680                                  | <b>7,100</b>                        |
| <b>MW-9</b>           | 20-Dec-16          | <b>10,000</b>                 | <b>21,000</b>             | <b>840</b>                           | <b>7,700</b>                        |
| <b>MW-9</b>           | 14-Mar-17          | <b>9,300</b>                  | <b>17,000</b>             | <b>710</b>                           | <b>7,000</b>                        |
| <b>MW-9</b>           | 15-Jun-17          | 0.42 FEET NAPL                |                           |                                      |                                     |
| <b>MW-9</b>           | 15-Sep-17          | 0.01 FEET NAPL                |                           |                                      |                                     |
| <b>MW-9</b>           | 12-Dec-17          | 0.02 FEET NAPL                |                           |                                      |                                     |
| <b>MW-9</b>           | 9-Mar-18           | 0.11 FEET NAPL                |                           |                                      |                                     |
| <b>MW-9</b>           | 5-Jun-18           | 0.56 FEET NAPL                |                           |                                      |                                     |
| <b>MW-9</b>           | 5-Sep-18           | <b>9,400</b>                  | <b>31,000</b>             | <b>1,300</b>                         | <b>11,000</b>                       |

TABLE 2  
SUMMARY OF GROUNDWATER LABORATORY ANALYTICAL RESULTS  
Logos Julander Federal #1E  
San Juan County, New Mexico

| <i>Well ID</i>        | <i>Sample Date</i> | <i>Benzene<br/>(µg/L)</i> | <i>Toluene<br/>(µg/L)</i> | <i>Ethyl-<br/>Benzene<br/>(µg/L)</i> | <i>Total<br/>Xylenes<br/>(µg/L)</i> |
|-----------------------|--------------------|---------------------------|---------------------------|--------------------------------------|-------------------------------------|
| <i>Sample Method</i>  |                    | EPA Method 8021B/8260B    |                           |                                      |                                     |
| <i>WQCC Standards</i> |                    | <i>5</i>                  | <i>1,000</i>              | <i>700</i>                           | <i>620</i>                          |
| MW-9                  | 6-Dec-18           | 7,400                     | 24,000                    | 1,100                                | 11,000                              |
| MW-9                  | 7-Mar-19           | 8,400                     | 25,000                    | 1,100                                | 9,800                               |
| MW-9                  | 2-Jul-19           | 7,000                     | 21,000                    | 1,000                                | 9,800                               |
| MW-9                  | 24-Sep-19          | 9,400                     | 31,000                    | 1,300                                | 13,000                              |
| MW-9                  | 19-Dec-19          | 9,100                     | 27,000                    | 1,000                                | 10,000                              |
| MW-9                  | 20-Mar-20          | 5,900                     | 19,000                    | 1,100                                | 11,000                              |
| MW-9                  | 25-Jun-20          | 7,200                     | 23,000                    | 1,200                                | 12,000                              |
| MW-9                  | 1-Oct-20           | 10,000                    | 29,000                    | 1,200                                | 13,000                              |
| MW-9                  | 15-Dec-20          | 7,800                     | 20,000                    | 1,000                                | 11,000                              |
| MW-9                  | 12-Mar-21          | 6,300                     | 17,000                    | 930                                  | 9,000                               |
| MW-9                  | 10-Jun-21          | 9,400                     | 29,000                    | 1,600                                | 14,000                              |
| MW-9                  | 21-Sep-21          | 8,600                     | 24,000                    | 1,100                                | 12,000                              |
| MW-9                  | 9-Dec-21           | 6,300                     | 14,000                    | 950                                  | 9,100                               |

Notes: \*Sample collected and analyzed by Envirotech, Inc.



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**DRAWN BY:**

C. Lameman

**DATE DRAWN:**

November 16, 2018

**REVISIONS BY:**

C. Lameman

**DATE REVISED:**

February 8, 2022

**CHECKED BY:**

D. Reese

**DATE CHECKED:**

February 8, 2022

**APPROVED BY:**

E. McNally

**DATE APPROVED:**

February 8, 2022

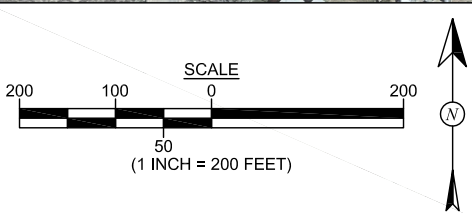
## FIGURE 1

### TOPOGRAPHIC SITE LOCATION MAP

LOGOS RESOURCES, LLC  
JULANDER FEDERAL #1E  
NE $\frac{1}{4}$  SW $\frac{1}{4}$ , SECTION 31, T29N, R11W  
SAN JUAN COUNTY, NEW MEXICO  
N36.67936, W108.03514



\* LOCATION WAS DERIVED FROM PLSS. WELL LOCATED AT CENTER OF THE SE QUARTER-QUARTER SECTION.



AERIAL SOURCE: © 2019 GOOGLE EARTH PRO, AERIAL DATE: MARCH 15, 2015



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C. Lameman

**DATE DRAWN:**  
February 6, 2017

**REVISIONS BY:**  
C. Lameman

**DATE REVISED:**  
February 8, 2022

**CHECKED BY:**  
D. Reese

**DATE CHECKED:**  
February 8, 2022

**APPROVED BY:**  
E. McNally

**DATE APPROVED:**  
February 8, 2022

## FIGURE 1A

**AERIAL SITE LOCATION MAP**  
LOGOS RESOURCES, LLC  
JULANDER FEDERAL #1E  
NE $\frac{1}{4}$  SW $\frac{1}{4}$ , SECTION 31, T29N, R11W  
SAN JUAN COUNTY, NEW MEXICO  
N36.67936, W108.03514





DRAWN BY:

C. Lameman

DATE DRAWN:

June 4, 2013

REVISIONS BY:

C. Lameman

DATE REVISED:

February 8, 2022

CHECKED BY:

D. Reese

DATE CHECKED:

February 8, 2022

APPROVED BY:

E. McNally

DATE APPROVED:

February 8, 2022

**FIGURE 2****SITE PLAN WITH  
MONITOR WELL LOCATIONS**

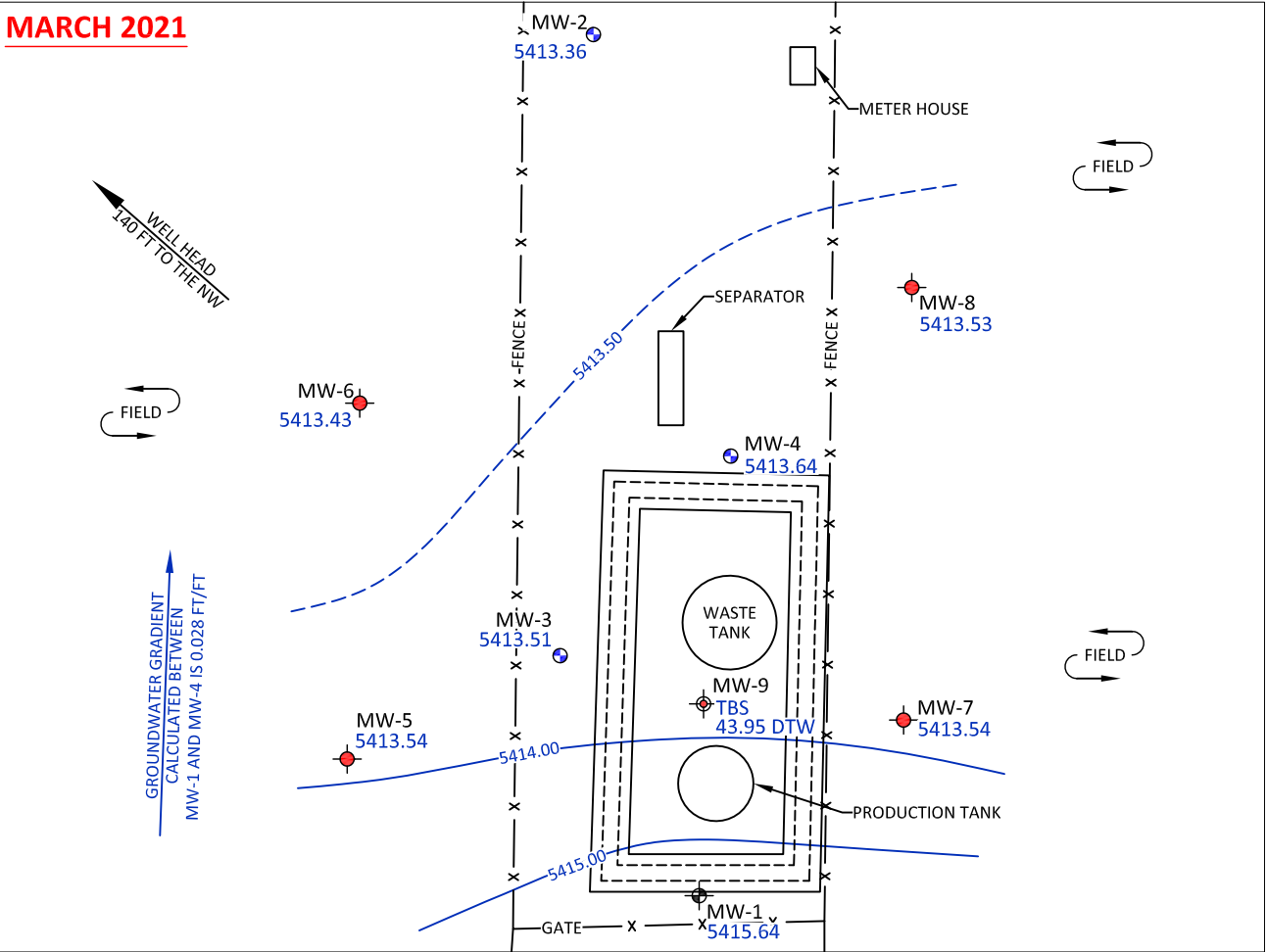
LOGOS RESOURCES, LLC  
JULANDER FEDERAL #1E  
NE $\frac{1}{4}$  SW $\frac{1}{4}$ , SECTION 31, T29N, R11W  
SAN JUAN COUNTY, NEW MEXICO  
N36.67936, W108.03514



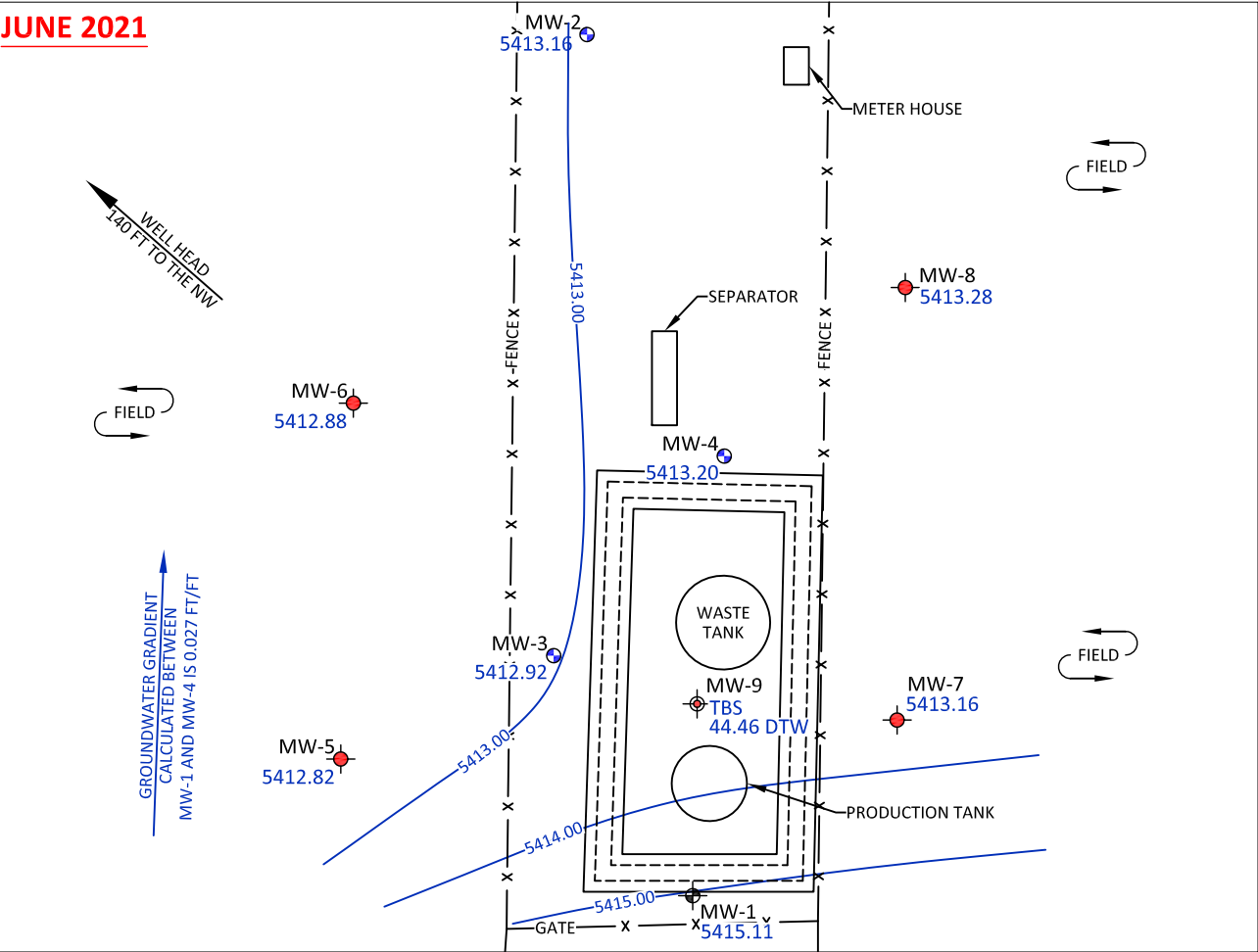
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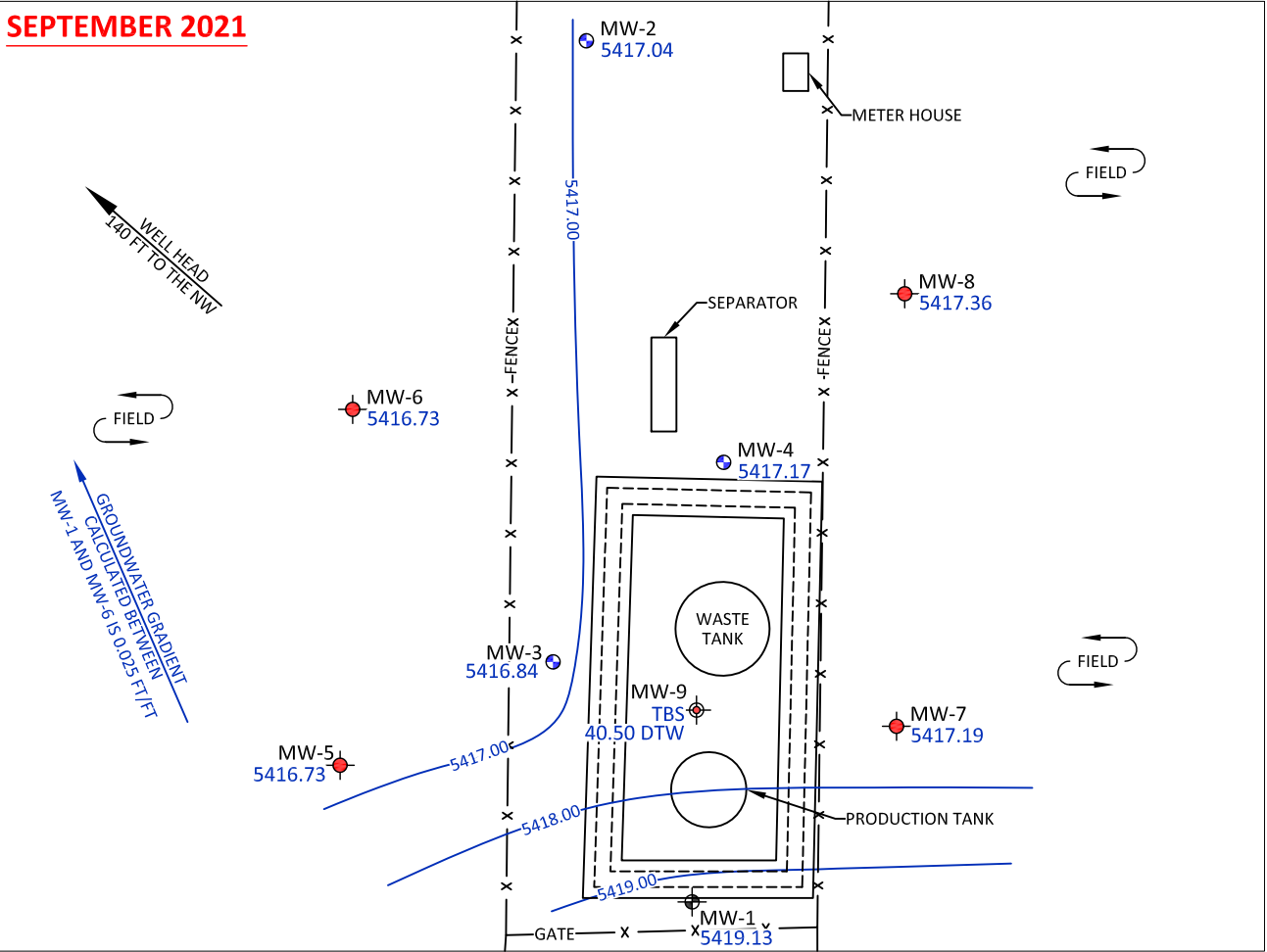
MARCH 2021



JUNE 2021



SEPTEMBER 2021



DECEMBER 2021

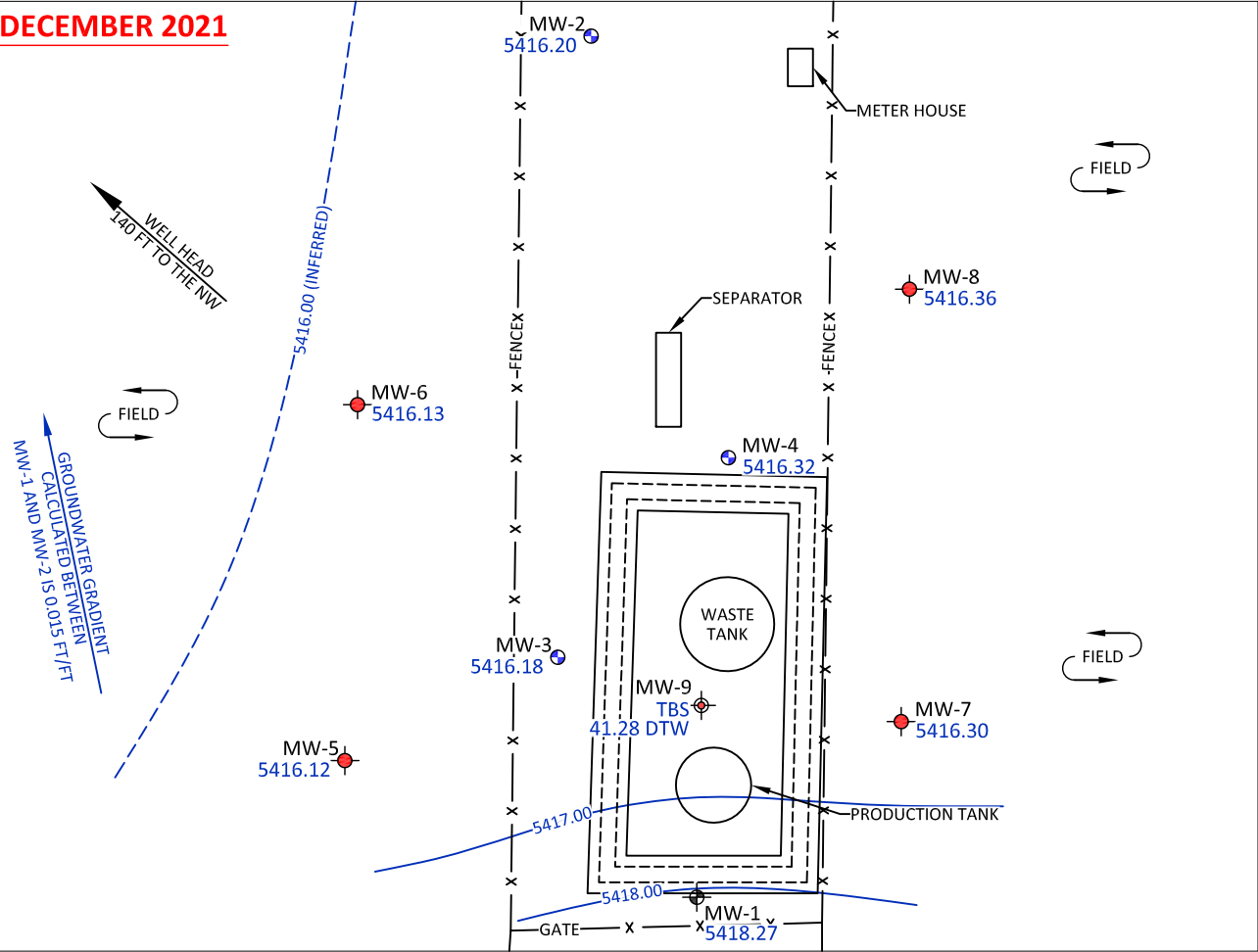


FIGURE 3

2021 GROUNDWATER ELEVATION CONTOURS

LOGOS RESOURCES, LLC  
JULANDER FEDERAL #1E  
NE¼ SW¼, SECTION 31, T29N, R11W  
SAN JUAN COUNTY, NEW MEXICO  
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C. Lameman

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C. Lameman

DATE REVISED:  
February 8, 2022

CHECKED BY:  
D. Reese

DATE CHECKED:  
February 8, 2022

APPROVED BY:  
E. McNally

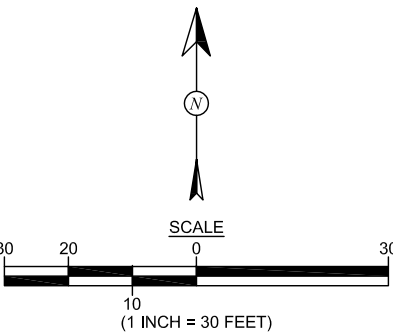
DATE APPROVED:  
February 8, 2022

LEGEND

- EXISTING INVESTIGATION WELL
- MONITOR WELL INSTALLED IN APRIL AND MAY 2013
- MONITOR WELL INSTALLED IN AUGUST 2013
- MONITOR WELL INSTALLED IN JUNE 2014

5414.64 GROUNDWATER ELEVATIONS IN FEET (AMSL)

5417.00 GROUNDWATER ELEVATIONS CONTOURS IN FEET (AMSL)





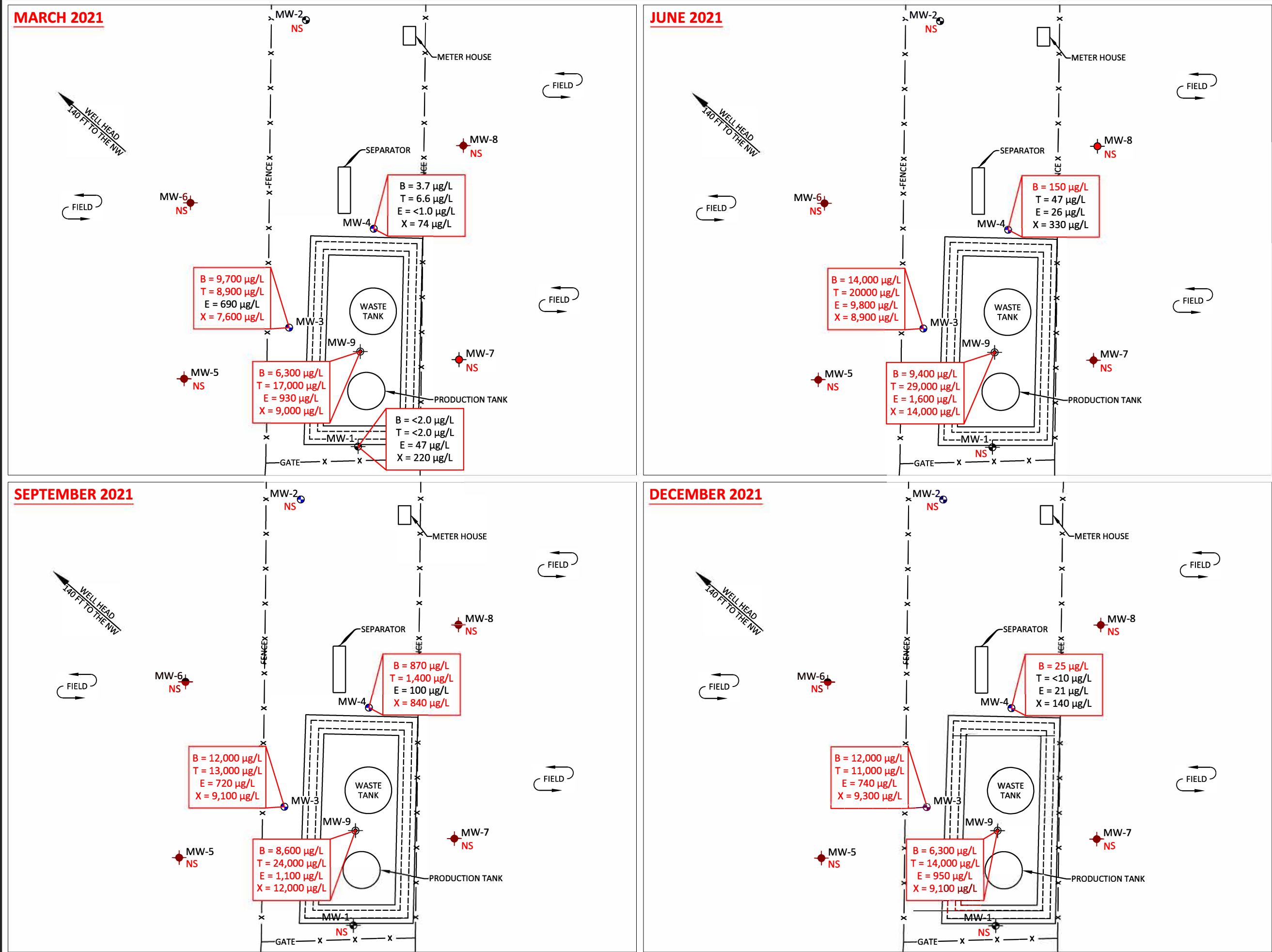


FIGURE 4

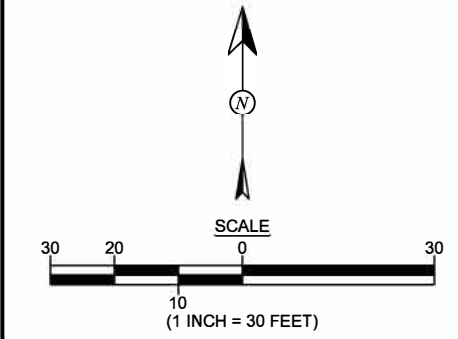
**2021 GROUNDWATER  
CONTAMINANT CONCENTRATIONS**  
LOGOS RESOURCES, LLC  
JULANDER FEDERAL #1E  
NE¼ SW¼, SECTION 31, T29N, R11W  
SAN JUAN COUNTY, NEW MEXICO  
N36.67936, W108.03514



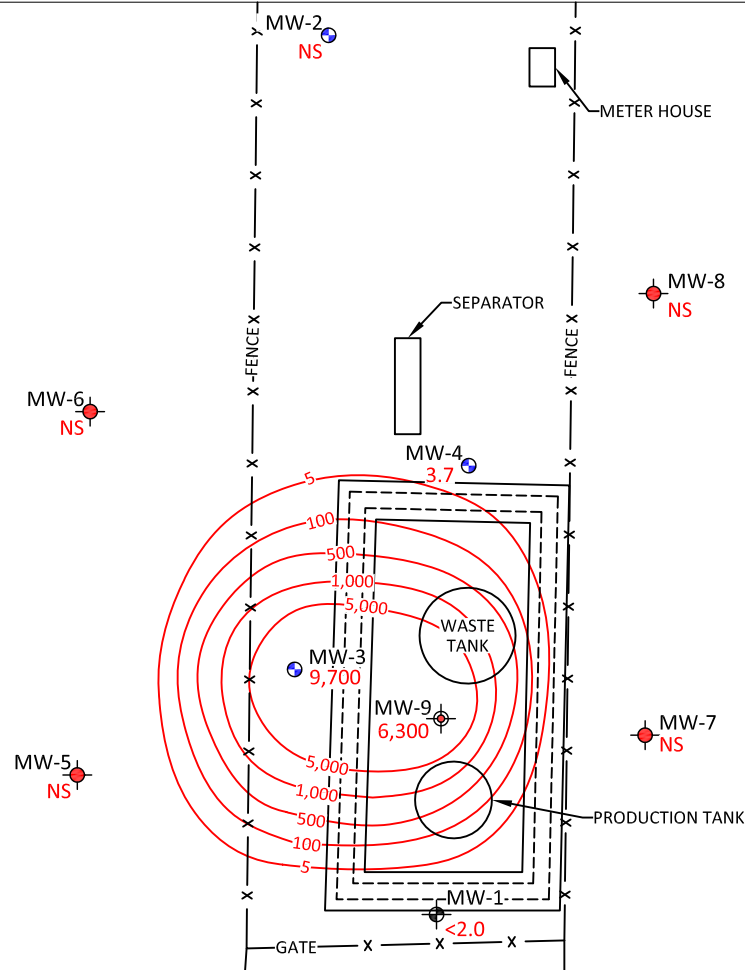
|                                    |                                           |
|------------------------------------|-------------------------------------------|
| <b>DRAWN BY:</b><br>C. Lameman     | <b>DATE DRAWN:</b><br>January 8, 2016     |
| <b>REVISIONS BY:</b><br>C. Lameman | <b>DATE REVISED:</b><br>February 8, 2022  |
| <b>CHECKED BY:</b><br>D. Reese     | <b>DATE CHECKED:</b><br>February 8, 2022  |
| <b>APPROVED BY:</b><br>E. McNally  | <b>DATE APPROVED:</b><br>February 8, 2022 |

- LEGEND**
- EXISTING INVESTIGATION WELL
  - MONITOR WELL INSTALLED IN APRIL AND MAY 2013
  - MONITOR WELL INSTALLED IN AUGUST 2013
  - MONITOR WELL INSTALLED IN JUNE 2014
  - B BENZENE
  - T TOLUENE
  - E ETHYLBENZENE
  - X XYLENES
  - µg/L MICROGRAM PER LITER (ppb)
  - < BELOW DETECTION LIMIT
  - NS NOT SAMPLED

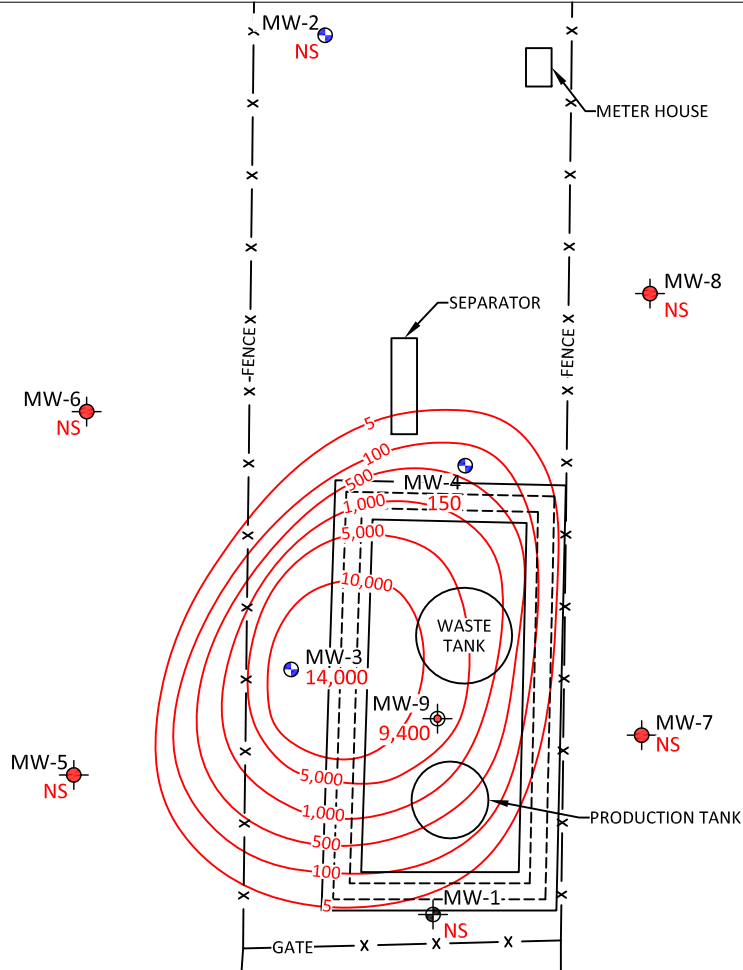
NOTE: ALL SAMPLES ANALYZED PER EPA METHOD 8021B.



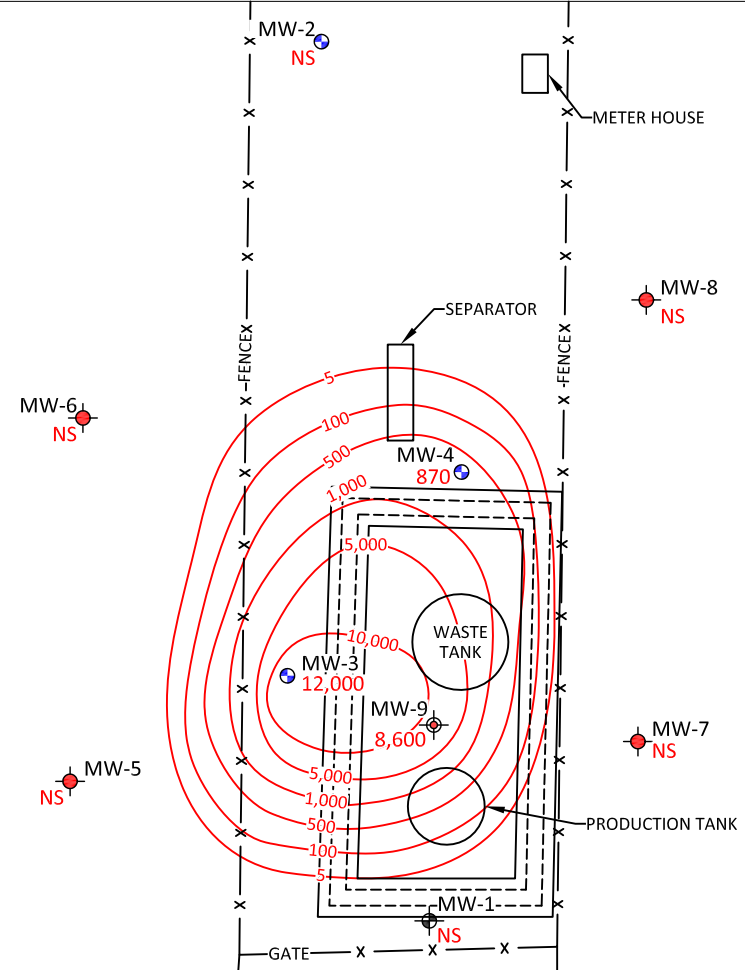
MARCH 2021



JUNE 2021



SEPTEMBER 2021



DECEMBER 2021

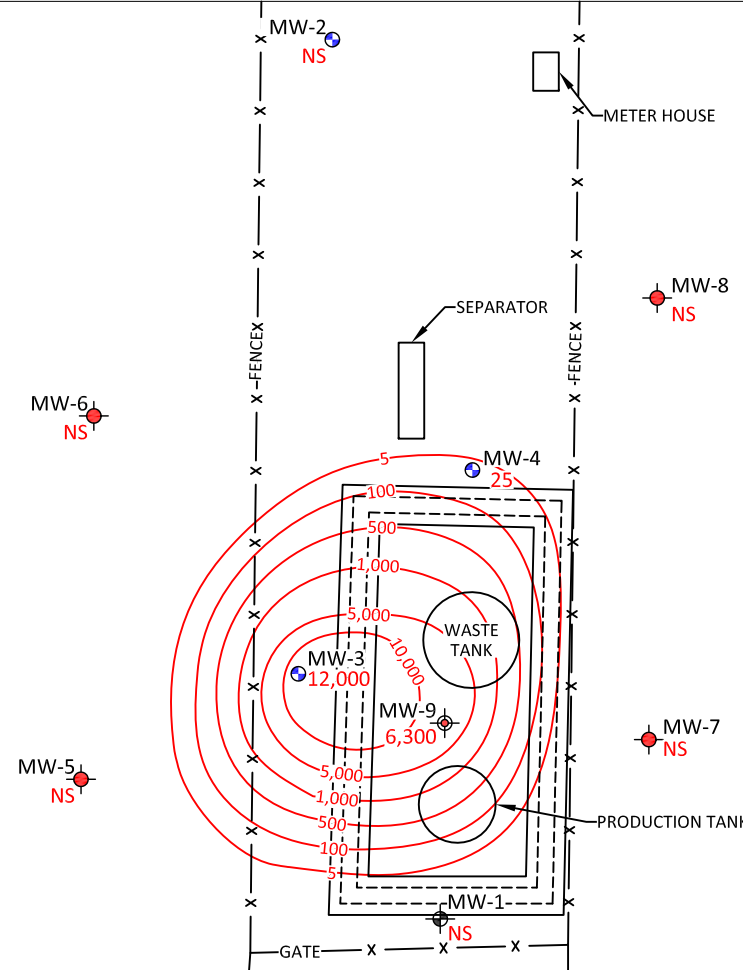


FIGURE 5

**2021 DISSOLVED BENZENE  
CONCENTRATION CONTOURS**  
LOGOS RESOURCES, LLC  
JULANDER FEDERAL #1E  
NE¼ SW¼, SECTION 31, T29N, R11W  
SAN JUAN COUNTY, NEW MEXICO  
N36.67936, W108.03514



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C. Lameman

**DATE REVISED:**  
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D. Reese

**DATE CHECKED:**  
February 8, 2022

**APPROVED BY:**  
E. McNally

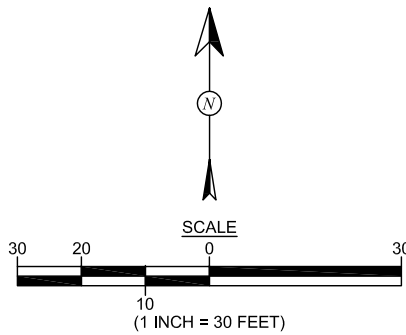
**DATE APPROVED:**  
February 8, 2022

**LEGEND**

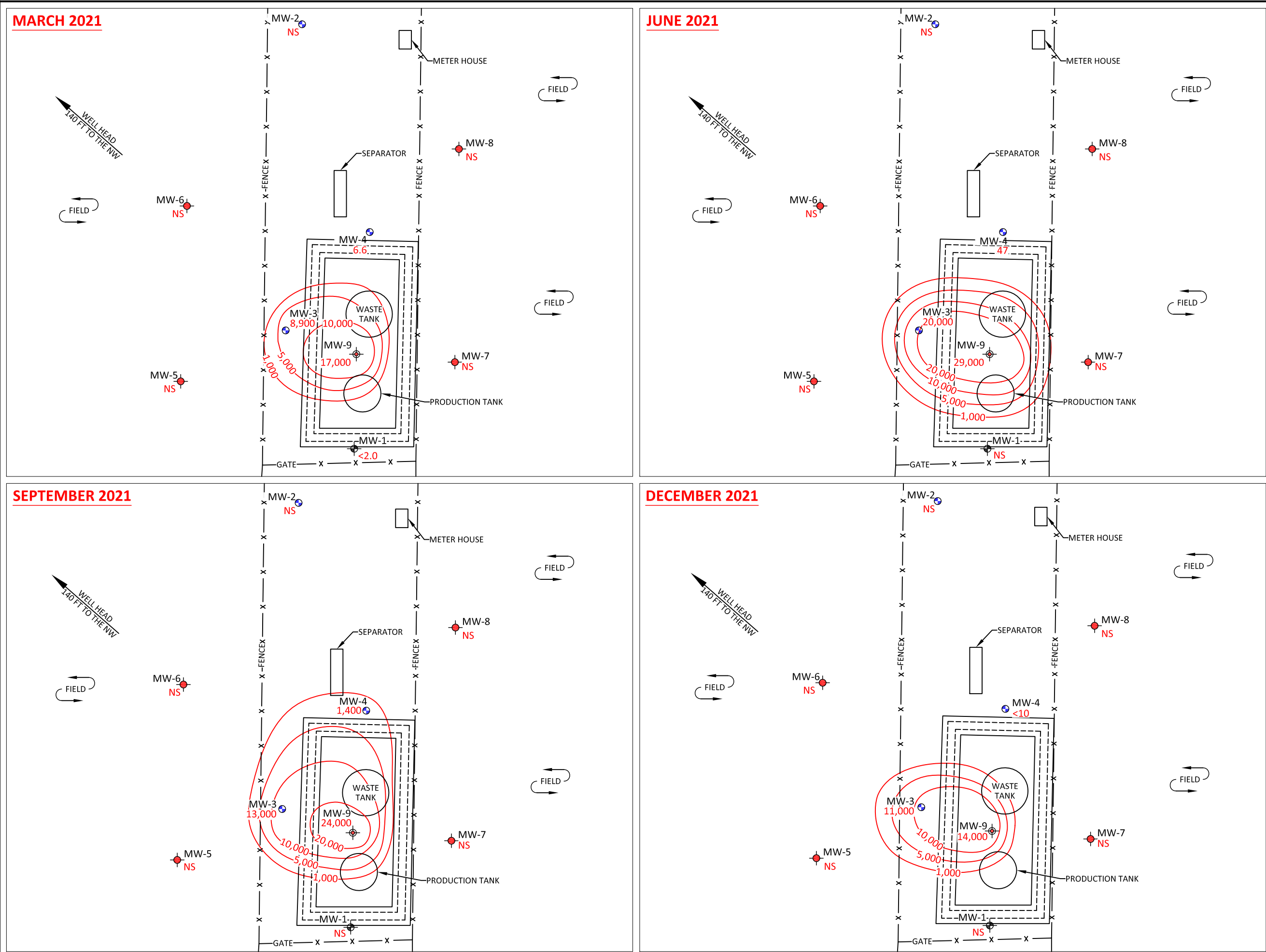
- EXISTING INVESTIGATION WELL
- MONITOR WELL INSTALLED  
IN APRIL AND MAY 2013
- MONITOR WELL INSTALLED  
IN AUGUST 2013
- MONITOR WELL INSTALLED  
IN JUNE 2014

- 1,100 DISSOLVED BENZENE  
CONCENTRATIONS IN µg/L
- 5 DISSOLVED BENZENE  
CONCENTRATIONS CONTOURS IN µg/L
- NS NOT SAMPLED

NOTE: ALL SAMPLES ANALYZED PER USEPA  
METHOD 8021B.







### FIGURE 6

**2021 DISSOLVED TOLUENE CONCENTRATION CONTOURS**  
LOGOS RESOURCES, LLC  
JULANDER FEDERAL #1E  
NE¼ SW¼, SECTION 31, T29N, R11W  
SAN JUAN COUNTY, NEW MEXICO  
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| <b>REVISIONS BY:</b><br>C. Lameman | <b>DATE REVISED:</b><br>February 8, 2022  |
| <b>CHECKED BY:</b><br>D. Reese     | <b>DATE CHECKED:</b><br>February 8, 2022  |
| <b>APPROVED BY:</b><br>E. McNally  | <b>DATE APPROVED:</b><br>February 8, 2022 |

**LEGEND**

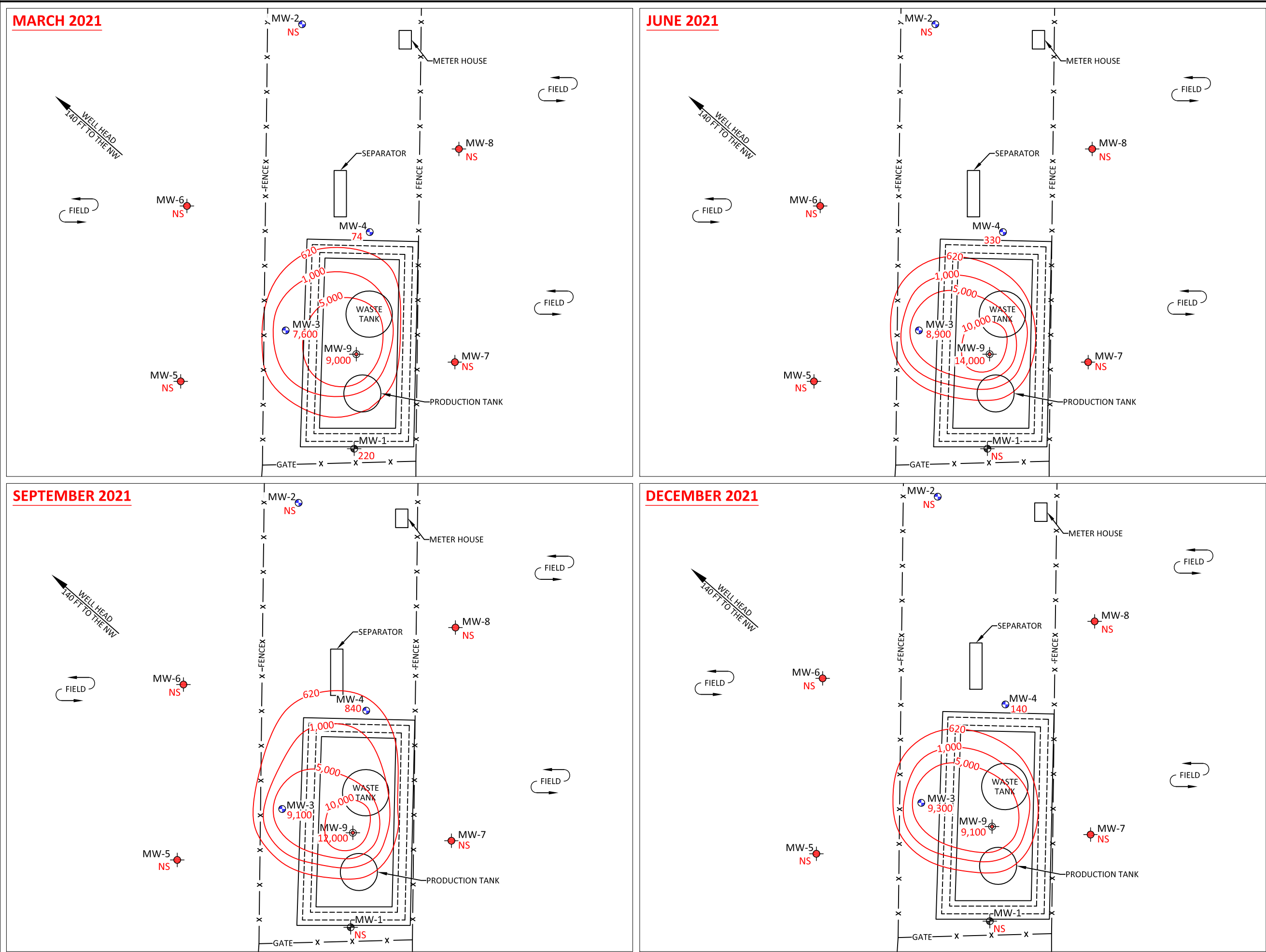
- EXISTING INVESTIGATION WELL
- MONITOR WELL INSTALLED IN APRIL AND MAY 2013
- MONITOR WELL INSTALLED IN AUGUST 2013
- MONITOR WELL INSTALLED IN JUNE 2014
- 21,00 DISSOLVED TOLUENE CONCENTRATIONS IN µg/L
- 1,000 DISSOLVED TOLUENE CONCENTRATIONS CONTOURS IN µg/L
- NS NOT SAMPLED

NOTE: ALL SAMPLES ANALYZED PER USEPA METHOD 8021B.

SCALE

30 20 0 10 30

(1 INCH = 30 FEET)



### FIGURE 7

**2021 DISSOLVED TOTAL XYLENES CONCENTRATION CONTOURS**  
LOGOS RESOURCES, LLC  
JULANDER FEDERAL #1E  
NE¼ SW¼, SECTION 31, T29N, R11W  
SAN JUAN COUNTY, NEW MEXICO  
N36.67936, W108.03514

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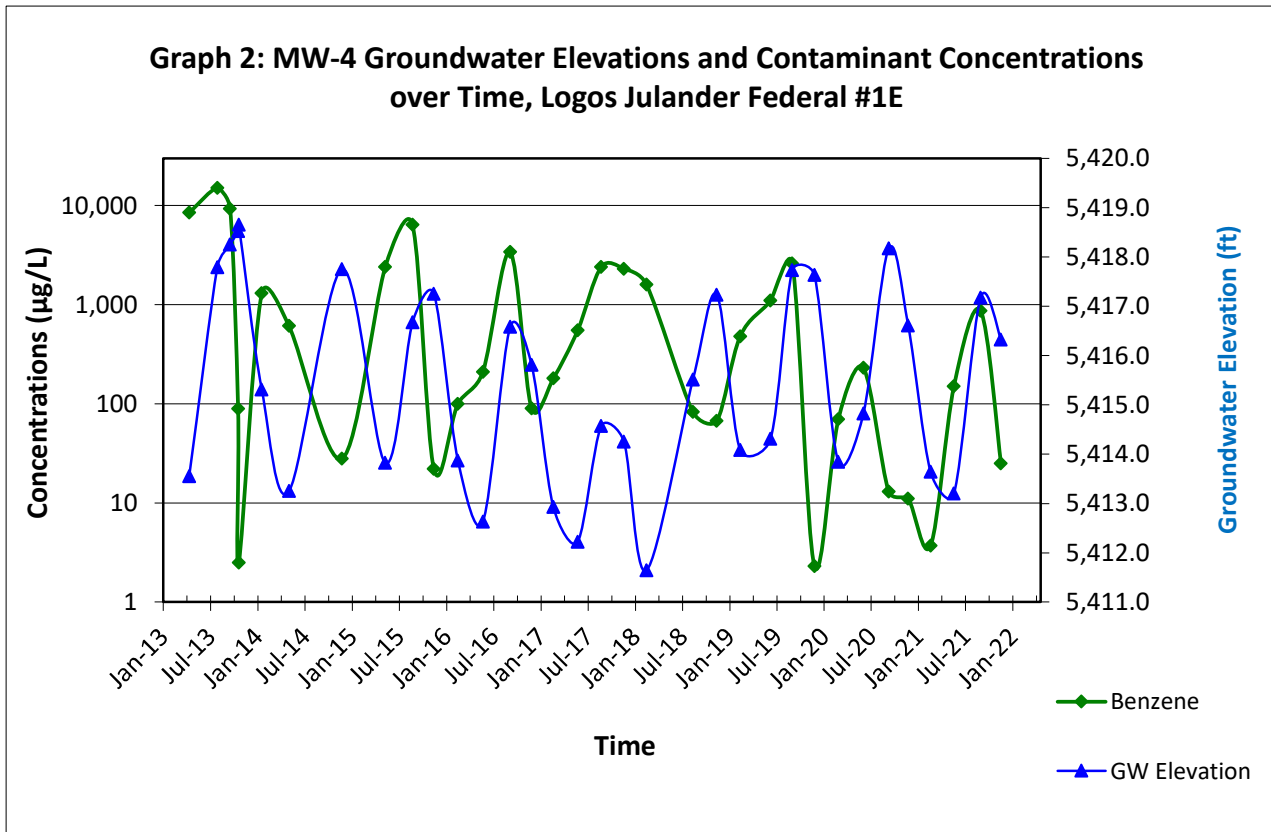
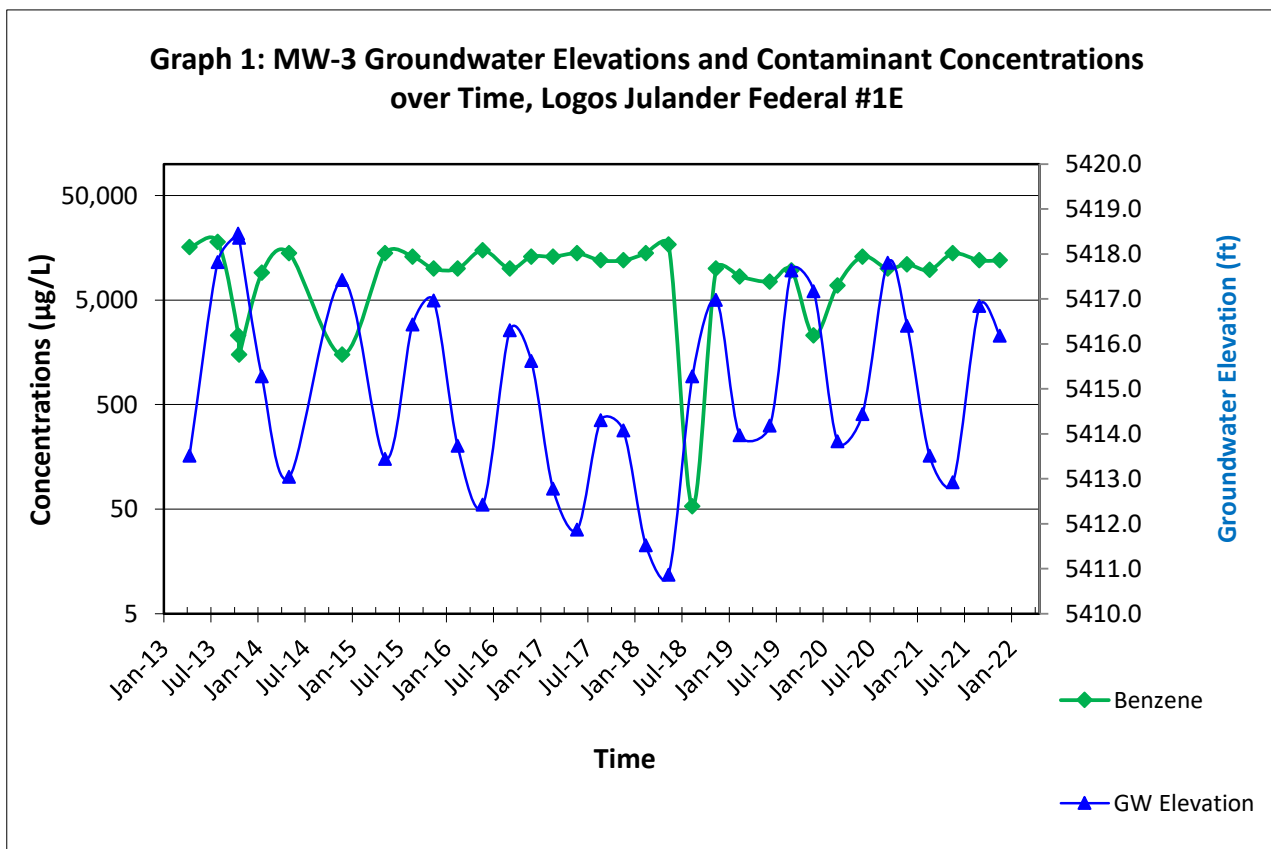
|                                    |                                           |
|------------------------------------|-------------------------------------------|
| <b>DRAWN BY:</b><br>C. Lameman     | <b>DATE DRAWN:</b><br>January 8, 2016     |
| <b>REVISIONS BY:</b><br>C. Lameman | <b>DATE REVISED:</b><br>February 8, 2022  |
| <b>CHECKED BY:</b><br>D. Reese     | <b>DATE CHECKED:</b><br>February 8, 2022  |
| <b>APPROVED BY:</b><br>E. McNally  | <b>DATE APPROVED:</b><br>February 8, 2022 |

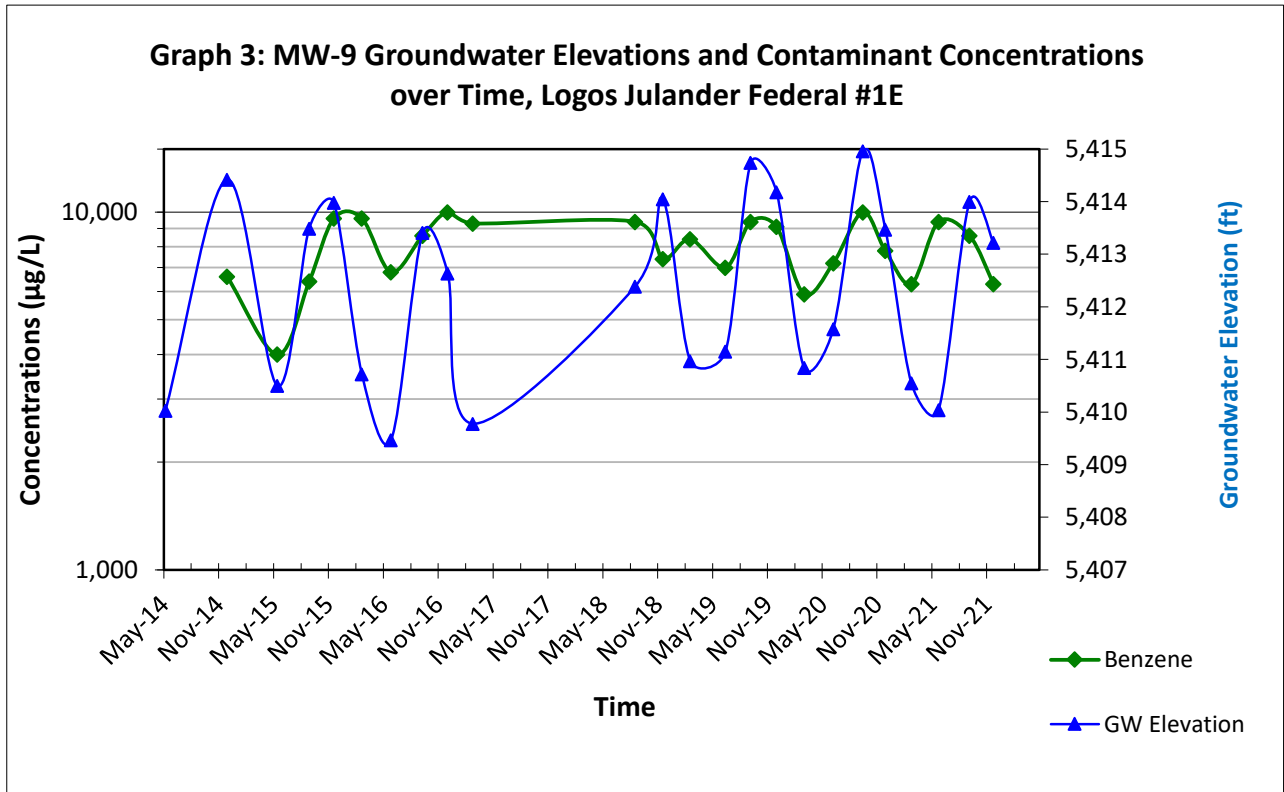
**LEGEND**

- EXISTING INVESTIGATION WELL
- MONITOR WELL INSTALLED IN APRIL AND MAY 2013
- MONITOR WELL INSTALLED IN AUGUST 2013
- MONITOR WELL INSTALLED IN JUNE 2014
- 3,200 DISSOLVED TOTAL XYLENES CONCENTRATIONS IN µg/L
- 620 DISSOLVED TOTAL XYLENES CONCENTRATIONS IN µg/L
- NS NOT SAMPLED

NOTE: ALL SAMPLES ANALYZED PER USEPA METHOD 8021B.

SCALE  
30 20 0 10 30  
(1 INCH = 30 FEET)





**From:** [Karen Lupton](#)  
**To:** [Cory Smith \(cory.smith@state.nm.us\)](#)  
**Cc:** [John Bruner](#); [Tamra Sessions](#); [Marie Florez](#); [Elizabeth McNally \(emcnally@animasenvironmental.com\)](#); [Greg Broome](#); [Corwin Lameman \(clameman@animasenvironmental.com\)](#)  
**Subject:** Logos Julander Federal 1E - Quarterly Sampling Event  
**Date:** Tuesday, March 9, 2021 3:02:00 PM

---

Good Morning,

This e-mail serves as project notification that Animas Environmental Services, LLC (AES) has scheduled the quarterly groundwater monitoring and sampling event at the above referenced site. Groundwater monitoring and sampling will be conducted by AES personnel on March 12, 2021. Corwin Lameman and Greg Broome will be on-site. Their contact numbers are:

Corwin 505.486.4062

Greg 970.560.2117

If you have any questions regarding the scheduled site work, please do not hesitate to contact me at (505) 564-2281.

Karen Lupton  
Director of Operations  
[klupton@animasenvironmental.com](mailto:klupton@animasenvironmental.com)  
Animas Environmental Services, LLC  
[www.animasenvironmental.com](http://www.animasenvironmental.com)  
624 E Comanche, Farmington, NM 87401  
P.O. Box 8, Farmington, NM 87499-0008  
(Tel) 505.564.2281

## Lany Cupps

---

**From:** Karen Lupton  
**Sent:** Thursday, June 03, 2021 10:14 AM  
**To:** Cory Smith (cory.smith@state.nm.us)  
**Cc:** John Bruner; Tamra Sessions; Marie Florez; Elizabeth McNally; Lany Cupps; Corwin Lameman  
**Subject:** Logos Julander Federal 1E - Quarterly Sampling Event - API #30-045; RP# 3RP-445

Good Morning,

This e-mail serves as project notification that Animas Environmental Services, LLC (AES) has scheduled the quarterly groundwater monitoring and sampling event at the above referenced site. Groundwater monitoring and sampling will be conducted by AES personnel on June 10, 2021. Corwin Lameman will be on-site, his cell phone number is 505.486.4062.

If you have any questions regarding the scheduled site work, please do not hesitate to contact me at (505) 564-2281.

Karen Lupton  
Director of Operations  
[klupton@animasenvironmental.com](mailto:klupton@animasenvironmental.com)  
Animas Environmental Services, LLC  
[www.animasenvironmental.com](http://www.animasenvironmental.com)  
624 E Comanche, Farmington, NM 87401  
P.O. Box 8, Farmington, NM 87499-0008  
(Tel) 505.564.2281

## Lany Cupps

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**From:** Lany Cupps  
**Sent:** Friday, December 03, 2021 5:42 AM  
**To:** Cory Smith  
**Cc:** regulatory@logosresourcesllc.com; mflorez@logosresourcesllc.com; etrujillo@logosresourcesllc.com; mbrueggenjohann@logosresourcesllc.com; Jason Oyebe  
**Subject:** Logos Julander Federal 1E - Quarterly Sampling Event Notification

Good Morning,

This e-mail serves as project notification that Animas Environmental Services, LLC (AES) has scheduled the quarterly groundwater monitoring and sampling event at the above referenced site. Groundwater monitoring and sampling will be conducted by AES personnel on Thursday, December 9, 2021. Jason Oyebe will be on-site. His contact number is 505.409.0269.

If you have any questions regarding the scheduled site work, please don't hesitate to contact me at 505.564.2281 or the number below.

Thank you,

Lany Cupps  
Environmental Administrator  
Animas Environmental Services, LLC  
[www.animasenvironmental.com](http://www.animasenvironmental.com)  
505.486.9250 mobile

[illegible]



## MONITORING WELL SAMPLING RECORD

**Monitor Well No: MW-1**

## Animas Environmental Services

624 E. Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

**Site:** Groundwater Sampling

**Location:** Julander Federal #1E

**Project:** Logos Resources, LLC

Sampling Technician: ALCB

| Purge / No Purge: | Purge |
|-------------------|-------|
|-------------------|-------|

Well Diameter (in): 2

Initial D.T.W. (ft): 41.85

Confirm D.T.W. (ft): 41.85

Final D.T.W. (ft): 46.82

**If NAPL Present: D.T.P.: ~**

**Project No.: AES 160806**

Date: 3-12-21

Arrival Time: 9:14

Air Temp: 38°F Sunny

**T.O.C. Elev. (ft):** 5455.49

**Total Well Depth (ft):** 47.72

*(taken at initial gauging of all wells)*

(taken prior to purging well)

(taken after sample collection)

**Thickness:** — **Time:** —

### Water Quality Parameters - Recorded During Well Purging

YSI # / Calibration Date: 4 3-12-21 CB

[illegible]**Analytical Parameters (include analysis method and number and type of sample containers)**USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl<sub>2</sub>) VOA

**Disposal of Purged Water:** On site Waste Tank

**Collected Samples Stored on Ice in Cooler:**

### Chain of Custody Record Complete:

**Analytical Laboratory:** Hall Environmental Analysis Laboratory, Albuquerque, NM

**Equipment Used During Sampling:** Keck Water Level or Keck Interface Level, YSI Water Quality Meter  
and New Disposable Bailer

Notes/Comments: Calculated Fuel Volume  $\approx$  3 Gallons

## MONITORING WELL SAMPLING RECORD

**Monitor Well No:** **MW-3**

Animas Environmental Services

624 E. Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

**Site:** Groundwater Sampling

**Location:** Julander Federal #1E

**Project:** Logos Resources, LLC

Sampling Technician: *cc/bb*

| Purge / No Purge: | Purge |
|-------------------|-------|
|-------------------|-------|

Well Diameter (in): 2

Initial D.T.W. (ft): 40.47

Confirm D.T.W. (ft): 40.47

Final D.T.W. (ft): 43.59

If NAPL Present: D.T.P.: —

**Project No.: AES 160806**

Date: 3-12-21

Arrival Time: 9:54

Air Temp: 40°F Sunny

**T.O.C. Elev. (ft):** 5453.98

**Total Well Depth (ft):** 46.52

**Time:** 9:58 (taken at initial gauging of all wells)

**Time:** 9:57 (taken prior to purging well)

**Time:** 16:11 (taken after sample collection)

If NAPL Present: D.T.P.:        D.T.W.:        Thickness:        Time:       

### Water Quality Parameters - Recorded During Well Purging

YSI # / Calibration Date: 3-12-21 GIB

[illegible]**Analytical Parameters (include analysis method and number and type of sample containers)**USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl<sub>2</sub>) VOA

**Disposal of Purged Water:** On Site Waste Tank

Collected Samples Stored on Ice in Cooler: *Yes*

**Chain of Custody Record Complete:** *Yes*

**Analytical Laboratory:** Hall Environmental Analysis Laboratory, Albuquerque, NM

**Equipment Used During Sampling:** Keck Water Level or Keck Interface Level, YSI Water Quality Meter  
and New Disposable Bailer

Notes/Comments: Calculated Purge Volume  $\approx 3$  Gallons

**MONITORING WELL SAMPLING RECORD**Monitor Well No: **MW-4**

Animas Environmental Services

624 E. Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: Groundwater SamplingProject No.: AES 160806Location: Julander Federal #1EDate: 3-12-21Project: Logos Resources, LLCArrival Time: 9:32Sampling Technician: AL/GBAir Temp: 39°F SunnyPurge / No Purge: PurgeT.O.C. Elev. (ft): 5453.72Well Diameter (in): 2Total Well Depth (ft): 47.45Initial D.T.W. (ft): 40.08 Time: 9:35 (taken at initial gauging of all wells)Confirm D.T.W. (ft): 40.08 Time: 9:37 (taken prior to purging well)Final D.T.W. (ft): 46.89 Time: 9:50 (taken after sample collection)If NAPL Present: D.T.P.: - D.T.W.: - Thickness: - Time: -**Water Quality Parameters - Recorded During Well Purging**YSI # 1 Calibration Date: 3-12-21 GB

| Time        | Temp<br>(deg C)                               | Conductivity<br>(µS) (mS) | DO<br>(mg/L) | pH | ORP<br>(mV) | PURGED VOLUME<br>(see reverse for calc.) | Notes/Observations       |
|-------------|-----------------------------------------------|---------------------------|--------------|----|-------------|------------------------------------------|--------------------------|
|             |                                               |                           |              |    |             | <u>Initial</u>                           |                          |
|             | <u>NO WATER QUALITY READINGS DUE TO SLEEN</u> |                           |              |    |             |                                          |                          |
|             | <u>SEE NOTES BELOW</u>                        |                           |              |    |             |                                          |                          |
| <u>9:49</u> |                                               |                           |              |    |             |                                          | <u>Samples Collected</u> |
|             |                                               |                           |              |    |             |                                          |                          |
|             |                                               |                           |              |    |             |                                          |                          |
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|             |                                               |                           |              |    |             |                                          |                          |

**Analytical Parameters (include analysis method and number and type of sample containers)**USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl<sub>2</sub>) VOADisposal of Purged Water: On Site Waste TankCollected Samples Stored on Ice in Cooler: YesChain of Custody Record Complete: YesAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter  
and New Disposable BailorNotes/Comments: Calculated Purge Volume @ 3.5 Gallons  
Attempt to Bail off Sleen.

## MONITORING WELL SAMPLING RECORD

**Monitor Well No: MW-9**

## Animas Environmental Services

624 E. Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

**Site:** Groundwater Sampling

**Location:** Julander Federal #1E

**Project:** Logos Resources, LLC

**Sampling Technician:**

### Purge / No Purge:

**Well Diameter (in):**

Initial D.T.W. (ft): 43.95

Confirm D.T.W. (ft): 43.95

Final D.T.W. (ft): 50.86

**If NAPL Present: D.T.P.:**

**Project No.: AES 160806**

Date: 2-12-21

Arrival Time: 10:13

Air Temp: 41°F Sunny

T.O.C. Elev. (ft): TBS

**Total Well Depth (ft):** 52.63

**Time:** 10:15 (taken at initial gauging of all wells)

**Time:** 10:17 (taken prior to purging well)

**Time:** 10:31 (taken after sample collection)

D.T.W.: — Thickness: — Time: ✓

### Water Quality Parameters - Recorded During Well Purging

YSI # 1 Calibration Date: 3-12-21 GB

[illegible]**Analytical Parameters (include analysis method and number and type of sample containers)**USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl<sub>2</sub>) VOA

**Disposal of Purged Water:** *On Site Waste Tank*

Collected Samples Stored on Ice in Cooler: Yes

Chain of Custody Record Complete: Yes

**Analytical Laboratory:** Hall Environmental Analysis Laboratory, Albuquerque, NM

**Equipment Used During Sampling:** Keck Water Level or Keck Interface Level, YSI Water Quality Meter  
and New Disposable Bailer

Notes/Comments: Calculated Purge Volume  $\approx 4.25$  Gallons

Attempt to Bail off them and sample Below their Surface



Released to Imaging: 6/1/2022 3:10:04 PM

# MONITORING WELL SAMPLING RECORD

**Monitor Well No: MW-3**

Animas Environmental Services

624 E. Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

**Site:** Groundwater Sampling

**Project No.: AES 160806**

**Location:** Julander Federal #1E

Date: 6-10-21

**Project:** Logos Resources, LLC

Arrival Time: 8:53

Sampling Technician: JDH

Air Temp: 63°F

**Purge / No Purge:**                      Purge

**T.O.C. Elev. (ft):** 5453.98

Well Diameter (in): 2

**Total Well Depth (ft):** 46.52

Initial D.T.W. (ft): 41.06

Time: 8:55

(taken at initial gauging of all wells)

Confirm D.T.W. (ft): 41.06

Time: 8:57

(taken prior to purging well)

Final D.T.W. (ft): 42.58

Time: 9:13

(taken after sample collection)

If NAPL Present: D.T.P.:           

D.T.W.:

**Thickness:**            **Time:**           

### Water Quality Parameters - Recorded During Well Purging

YSI # 2 Calibration Date: 6-8-21 CL

[illegible]

**Analytical Parameters (include analysis method and number and type of sample containers)**

USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl<sub>2</sub>) VOA

**Disposal of Purged Water:** on ground - no drainage + sw drains

Collected Samples Stored on Ice in Cooler: 1465

Chain of Custody Record Complete: yes

**Analytical Laboratory:** Hall Environmental Analysis Laboratory, Albuquerque, NM

**Equipment Used During Sampling:** Keck Water Level or Keck Interface Level, YSI Water Quality Meter  
and New Disposable Bailer

**Notes/Comments:**

## Animas Environmental Services

624 E. Comanche St., Farmington NM 87401  
Tel. (505) 564-2281 Fax (505) 324-2022

**Project No.: AES 160806**

**Date:** 6-10-21

Arrival Time: 9:17

Air Temp: 72°F

**T.O.C. Elev. (ft):** 5453.72

**Total Well Depth (ft):** 47.45

Time: 9:17

(taken at initial gauging of all wells)

Time: 9:21

(taken prior to purging well)

Time: 9.41

(taken after sample collection)

D.T.W.: \_\_\_\_\_

**Thickness:** — **Time:** —

### Water Quality Parameters - Recorded During Well Purging

YSI # 2 Calibration Date: 6-8-21 CU

[illegible]

**Analytical Parameters (include analysis method and number and type of sample containers)**

USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl<sub>2</sub>) VOA

Disposal of Purged Water: on ground - No drainage to SW drains

Collected Samples Stored on Ice in Cooler: yes

Chain of Custody Record Complete: yes

**Analytical Laboratory:** Hall Environmental Analysis Laboratory, Albuquerque, NM

**Equipment Used During Sampling:** Keck Water Level or Keck Interface Level, YSI Water Quality Meter  
and New Disposable Bailer

Notes/Comments: Sheen developed, no water quality collected, attempted to bail off sheen, samples collected below Sheen surface

**MONITORING WELL SAMPLING RECORD**

Animas Environmental Services

Monitor Well No: **MW-9**

624 E. Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: Groundwater SamplingProject No.: AES 160806Location: Julander Federal #1EDate: 6-10-21Project: Logos Resources, LLCArrival Time: 9:49Sampling Technician: CL+LLAir Temp: 76°FPurge / No Purge: PurgeT.O.C. Elev. (ft): TBSWell Diameter (in): 2Total Well Depth (ft): 52.63Initial D.T.W. (ft): — Time: — (taken at initial gauging of all wells)Confirm D.T.W. (ft): — Time: — (taken prior to purging well)Final D.T.W. (ft): 46.90 Time: 10:07 (taken after sample collection)If NAPL Present: D.T.P.: 44.42 D.T.W.: 44.46 Thickness: 0.04 Time: 9:50**Water Quality Parameters - Recorded During Well Purging**YSI # 2 Calibration Date: 6-8-21

| Time  | Temp<br>(deg C)                                     | Conductivity<br>(µS) (mS) | DO<br>(mg/L) | pH | ORP<br>(mV) | PURGED VOLUME<br>(see reverse for calc.) | Notes/Observations |
|-------|-----------------------------------------------------|---------------------------|--------------|----|-------------|------------------------------------------|--------------------|
| 9:56  | NAPL 0.04 ft - no water quality measurements taken. |                           |              |    |             |                                          |                    |
| 10:07 |                                                     |                           |              |    |             |                                          | Sample collected   |
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**Analytical Parameters (include analysis method and number and type of sample containers)**USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl<sub>2</sub>) VOADisposal of Purged Water: into onSite tankCollected Samples Stored on Ice in Cooler: YesChain of Custody Record Complete: YesAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable BailorNotes/Comments: Attempt to remove NAPL with Bailor. Sample collected below NAPL/Sheen layer.





## MONITORING WELL SAMPLING RECORD

Animas Environmental Services

Monitor Well No: MW-3

624 E. Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: Groundwater SamplingProject No.: AES 160806Location: Julander Federal #1EDate: 9-21-21Project: Logos Resources, LLCArrival Time: 9:45Sampling Technician: CL/JSAir Temp: 53° F - SunnyPurge / No Purge: PurgeT.O.C. Elev. (ft): 5453.98Well Diameter (in): 2Total Well Depth (ft): 46.52Initial D.T.W. (ft): 37.14Time: 9:47 (taken at initial gauging of all wells)Confirm D.T.W. (ft): 37.14Time: 9:48 (taken prior to purging well)Final D.T.W. (ft): 37.85Time: 10:13 (taken after sample collection)If NAPL Present: D.T.P.:        D.T.W.:        Thickness:        Time:       

## Water Quality Parameters - Recorded During Well Purging

YSI # 1 Calibration Date: 9-20-21 - JS

| Time     | Temp<br>(deg C) | Conductivity<br>(µS) (mS) | DO<br>(mg/L) | pH   | ORP<br>(mV) | PURGED VOLUME<br>(see reverse for calc.) | Notes/Observations    |
|----------|-----------------|---------------------------|--------------|------|-------------|------------------------------------------|-----------------------|
| 7:57     | 17.3            | 930                       | .48          | 6.80 | -83.7       | initial / .25 gal                        | odor, clear, bugs     |
| 9:59     | 16.5            | 940                       | .57          | 6.76 | -81.7       | 1 gal                                    | organics              |
| 10:03    | 15.7            | 958                       | .55          | 6.76 | -78.9       | 2 gal                                    | S. Fed. bugs, organic |
| 10:06    | 15.7            | 1005                      | .52          | 6.76 | -76.6       | 3 gal                                    | odor - Tan            |
| 10:09    | 15.8            | 1020                      | .50          | 6.76 | -75.4       | 4 gal                                    | S.A.A.                |
| 10:11 am |                 |                           |              |      |             |                                          | S.A.A.                |
|          |                 |                           |              |      |             |                                          | sample collected      |
|          |                 |                           |              |      |             |                                          |                       |
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## Analytical Parameters (include analysis method and number and type of sample containers)

USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl2) VOA

Disposal of Purged Water: On Ground - No Drainage to Stormwater DrainsCollected Samples Stored on Ice in Cooler: YESChain of Custody Record Complete: YESAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter

and New Disposable Bailor

Notes/Comments: Calculated purge vol - 4.59 gallonsSlight odor, organics

**MONITORING WELL SAMPLING RECORD**

Animas Environmental Services

Monitor Well No: MW-4

624 E. Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: Groundwater SamplingProject No.: AES 160806Location: Julander Federal #1EDate: 9-21-21Project: Logos Resources, LLCArrival Time: 10:16Sampling Technician: CL-JBAir Temp: 59° - SunnyPurge / No Purge: PurgeT.O.C. Elev. (ft): 5453.72Well Diameter (in): 2Total Well Depth (ft): 47.45Initial D.T.W. (ft): 36.55Time: 10:18

(taken at initial gauging of all wells)

Confirm D.T.W. (ft): 36.55Time: 10:18

(taken prior to purging well)

Final D.T.W. (ft): 31.11Time: 10:43

(taken after sample collection)

If NAPL Present: D.T.P.: 36.55D.T.W.: 36.55Thickness: less than .01 Time: 10:18**Water Quality Parameters - Recorded During Well Purging**YSI # 1 Calibration Date: 9-20-21 - JB

| Time  | Temp<br>(deg C) | Conductivity<br>(µS) (mS)     | DO<br>(mg/L) | pH         | ORP<br>(mV) | PURGED VOLUME<br>(see reverse for calc.) | Notes/Observations       |
|-------|-----------------|-------------------------------|--------------|------------|-------------|------------------------------------------|--------------------------|
| 10:24 | <u>NO</u>       | <u>WATER QUALITY READINGS</u> |              |            |             |                                          | <u>Shore, odor</u>       |
| 10:41 | <u>---</u>      | <u>---</u>                    | <u>---</u>   | <u>---</u> | <u>---</u>  | <u>5.25 GAL</u>                          | <u>Samples Collected</u> |
|       |                 |                               |              |            |             |                                          |                          |
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|       |                 |                               |              |            |             |                                          |                          |

**Analytical Parameters (include analysis method and number and type of sample containers)**USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl<sub>2</sub>) VOADisposal of Purged Water: Onsite storage tankCollected Samples Stored on Ice in Cooler: yesChain of Custody Record Complete: yesAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter  
and New Disposable BailerNotes/Comments: Calculated purge Volume - 5.25 gal



**MONITORING WELL SAMPLING RECORD**

Animas Environmental Services

Monitor Well No: MW-9

624 E. Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: Groundwater SamplingProject No.: AES 160806Location: Julander Federal #1EDate: 9-21-21Project: Logos Resources, LLCArrival Time: 10:56Sampling Technician: CL-JOAir Temp: 60° - SunnyPurge / No Purge: PurgeT.O.C. Elev. (ft): TBSWell Diameter (in): 2Total Well Depth (ft): 52.63Initial D.T.W. (ft): 40.50Time: 10:56

(taken at initial gauging of all wells)

Confirm D.T.W. (ft):           Time:           

(taken prior to purging well)

Final D.T.W. (ft):           Time:           

(taken after sample collection)

If NAPL Present: D.T.P.: 40.49D.T.W.: 40.50Thickness: .01Time: 10:56**Water Quality Parameters - Recorded During Well Purging**YSI # 1 Calibration Date: 9-20-21-JO

| Time         | Temp<br>(deg C) | Conductivity<br>(µS) (mS) | DO<br>(mg/L)    | pH | ORP<br>(mV) | PURGED VOLUME<br>(see reverse for calc.) | Notes/Observations  |
|--------------|-----------------|---------------------------|-----------------|----|-------------|------------------------------------------|---------------------|
| <u>10:56</u> | <u>NO</u>       | <u>WATER QUALITY</u>      | <u>READINGS</u> |    |             |                                          | <u>Strong odor</u>  |
| <u>11:16</u> |                 |                           |                 |    |             | <u>2 GAL</u>                             | <u>Shreen clear</u> |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
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|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |
|              |                 |                           |                 |    |             |                                          |                     |

**Analytical Parameters (include analysis method and number and type of sample containers)**USEPA Method 8260 (Full List VOCs) - Three 40 mL (HgCl<sub>2</sub>) VOADisposal of Purged Water: On-site storage tankCollected Samples Stored on Ice in Cooler: YMSChain of Custody Record Complete: YMSAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meterand New Disposable BailerNotes/Comments: Calculated Purge volume D.T.P. 44.15D.T.W. 44.16 Thickness .01 Time 11:17 AM

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| GROUNDWATER SAMPLE COLLECTION FORM                                                                                            |              |                                     |           |     | Animas Environmental Services<br>624 E Comanche St., Farmington NM 87401<br>Tel. (505) 564-2281 Fax (505) 324-2022 |                                       |                    |
|-------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------|-----------|-----|--------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------|
| Monitor Well No: MW-1                                                                                                         |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Site: Groundwater Sampling                                                                                                    |              |                                     |           |     | Project No.:                                                                                                       |                                       |                    |
| Location: Indian Federal #1E                                                                                                  |              |                                     |           |     | Date: 12-09-2021                                                                                                   |                                       |                    |
| Project: Laso Resources LLC                                                                                                   |              |                                     |           |     | Arrival Time: 11:29                                                                                                |                                       |                    |
| Sampling Technician: JO                                                                                                       |              |                                     |           |     | Air Temp: Cloudy ~ 40°                                                                                             |                                       |                    |
| Purge / No Purge: Purge                                                                                                       |              |                                     |           |     | T.O.C. Elev. (ft):                                                                                                 |                                       |                    |
| Well Diameter (in): 2                                                                                                         |              |                                     |           |     | Total Well Depth (ft):                                                                                             |                                       |                    |
| Initial D.T.W. (ft): 39.22      Time: 11:20 (taken at initial gauging of all wells)                                           |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Confirm D.T.W. (ft): 39.22      Time: 11:21 (taken prior to purging well)                                                     |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Final D.T.W. (ft): 43.80      Time: 12:06 (taken after sample collection)                                                     |              |                                     |           |     |                                                                                                                    |                                       |                    |
| If NAPL Present: D.T.P.:      D.T.W.:      Thickness:      Time:                                                              |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Water Quality Parameters - Recorded During Well Purging                                                                       |              |                                     |           |     |                                                                                                                    |                                       |                    |
| YSI # 1 Calibration Date: JO By: 12-09-2021                                                                                   |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Time                                                                                                                          | Temp (deg C) | Conductivity ( $\mu\text{S}$ ) (mS) | DO (mg/L) | pH  | ORP (mV)                                                                                                           | PURGED VOLUME (see reverse for calc.) | Notes/Observations |
| 11:35                                                                                                                         | 14.1         | 783                                 | 0.7       | 6.4 | -124.6                                                                                                             | initial                               | Bio-odor clear     |
| 11:41                                                                                                                         | 14.3         | 818                                 | 0.84      | 6.3 | -111.2                                                                                                             | 1 gallon                              | Bio-odor gray      |
| 11:48                                                                                                                         | 14.5         | 803                                 | 1.14      | 6.6 | -100.0                                                                                                             | 2 gallons                             | S.A.A.             |
| 11:55                                                                                                                         | 14.5         | 780                                 | 1.24      | 6.5 | -75.4                                                                                                              | 3 gallons                             | S.A.A.             |
| 12:02                                                                                                                         | 14.5         | 769                                 | 1.7       | 6.5 | -38.2                                                                                                              | 4 gallons                             | S.A.A.             |
|                                                                                                                               |              |                                     |           |     |                                                                                                                    |                                       |                    |
|                                                                                                                               |              |                                     |           |     |                                                                                                                    |                                       |                    |
|                                                                                                                               |              |                                     |           |     |                                                                                                                    |                                       |                    |
|                                                                                                                               |              |                                     |           |     |                                                                                                                    |                                       |                    |
|                                                                                                                               |              |                                     |           |     |                                                                                                                    |                                       |                    |
|                                                                                                                               |              |                                     |           |     |                                                                                                                    |                                       |                    |
|                                                                                                                               |              |                                     |           |     |                                                                                                                    |                                       |                    |
|                                                                                                                               |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Analytical Parameters (include analysis method and number and type of sample containers)                                      |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Disposal of Purged Water: On ground - No discharge to SW drains                                                               |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Collected Samples Stored on Ice in Cooler: N/A                                                                                |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Chain of Custody Record Complete: N/A                                                                                         |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM                                                |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Equipment Used During Sampling: Check Water Level or Check Interface Level, YSI Water Quality Meter and New Disposable Bailor |              |                                     |           |     |                                                                                                                    |                                       |                    |
| Notes/Comments: Purge ~ 4 gallons - JO                                                                                        |              |                                     |           |     |                                                                                                                    |                                       |                    |









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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

March 25, 2021

David Reese

Animas Environmental Services

624 E. Comanche

Farmington, NM 87401

TEL:

FAX:

RE: Logos Julander Federal 1E

OrderNo.: 2103693

Dear David Reese:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/13/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109



## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: Logos Julander Federal 1E

Collection Date: 3/12/2021 9:28:00 AM

Lab ID: 2103693-001

Matrix: AQUEOUS

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch               |
|------------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: <b>BRM</b> |
| Benzene                            | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Toluene                            | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Ethylbenzene                       | 47     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Methyl tert-butyl ether (MTBE)     | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,2,4-Trimethylbenzene             | 40     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,3,5-Trimethylbenzene             | 26     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,2-Dichloroethane (EDC)           | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,2-Dibromoethane (EDB)            | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Naphthalene                        | 20     | 4.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1-Methylnaphthalene                | ND     | 8.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 2-Methylnaphthalene                | ND     | 8.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Acetone                            | ND     | 20  |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Bromobenzene                       | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Bromodichloromethane               | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Bromoform                          | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Bromomethane                       | ND     | 6.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 2-Butanone                         | ND     | 20  |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Carbon disulfide                   | ND     | 20  |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Carbon Tetrachloride               | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Chlorobenzene                      | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Chloroethane                       | ND     | 4.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Chloroform                         | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Chloromethane                      | ND     | 6.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 2-Chlorotoluene                    | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 4-Chlorotoluene                    | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| cis-1,2-DCE                        | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| cis-1,3-Dichloropropene            | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,2-Dibromo-3-chloropropane        | ND     | 4.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Dibromochloromethane               | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Dibromomethane                     | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,2-Dichlorobenzene                | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,3-Dichlorobenzene                | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,4-Dichlorobenzene                | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| Dichlorodifluoromethane            | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,1-Dichloroethane                 | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,1-Dichloroethene                 | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,2-Dichloropropane                | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 1,3-Dichloropropane                | ND     | 2.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |
| 2,2-Dichloropropane                | ND     | 4.0 |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195              |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |
|--------------------|-----|-------------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              |
|                    | D   | Sample Diluted Due to Matrix                          |
|                    | H   | Holding times for preparation or analysis exceeded    |
|                    | ND  | Not Detected at the Reporting Limit                   |
|                    | PQL | Practical Quantitative Limit                          |
|                    | S   | % Recovery outside of range due to dilution or matrix |

|    |                                                 |
|----|-------------------------------------------------|
| B  | Analyte detected in the associated Method Blank |
| E  | Value above quantitation range                  |
| J  | Analyte detected below quantitation limits      |
| P  | Sample pH Not In Range                          |
| RL | Reporting Limit                                 |

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## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: Logos Julander Federal 1E

Collection Date: 3/12/2021 9:28:00 AM

Lab ID: 2103693-001

Matrix: AQUEOUS

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: BRM |
| 1,1-Dichloropropene                | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Hexachlorobutadiene                | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 2-Hexanone                         | ND     | 20     |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Isopropylbenzene                   | 3.9    | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 4-Isopropyltoluene                 | 2.3    | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 4-Methyl-2-pentanone               | ND     | 20     |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Methylene Chloride                 | ND     | 6.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| n-Butylbenzene                     | ND     | 6.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| n-Propylbenzene                    | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| sec-Butylbenzene                   | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Styrene                            | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| tert-Butylbenzene                  | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 1,1,1,2-Tetrachloroethane          | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 1,1,2,2-Tetrachloroethane          | ND     | 4.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Tetrachloroethene (PCE)            | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| trans-1,2-DCE                      | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| trans-1,3-Dichloropropene          | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 1,2,3-Trichlorobenzene             | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 1,2,4-Trichlorobenzene             | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 1,1,1-Trichloroethane              | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 1,1,2-Trichloroethane              | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Trichloroethene (TCE)              | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Trichlorofluoromethane             | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| 1,2,3-Trichloropropane             | ND     | 4.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Vinyl chloride                     | ND     | 2.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Xylenes, Total                     | 220    | 3.0    |      | µg/L  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Surr: 1,2-Dichloroethane-d4        | 87.6   | 70-130 |      | %Rec  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Surr: 4-Bromofluorobenzene         | 106    | 70-130 |      | %Rec  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Surr: Dibromofluoromethane         | 95.1   | 70-130 |      | %Rec  | 2  | 3/25/2021 3:42:51 AM | A76195       |
| Surr: Toluene-d8                   | 104    | 70-130 |      | %Rec  | 2  | 3/25/2021 3:42:51 AM | A76195       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |
|                    |     |                                                       |    |                                                 |

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## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3

Project: Logos Julander Federal 1E

Collection Date: 3/12/2021 10:09:00 AM

Lab ID: 2103693-002

Matrix: AQUEOUS

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF  | Date Analyzed        | Batch               |
|------------------------------------|--------|-----|------|-------|-----|----------------------|---------------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |     |                      | Analyst: <b>BRM</b> |
| Benzene                            | 9700   | 500 |      | µg/L  | 500 | 3/25/2021 4:09:44 AM | A76195              |
| Toluene                            | 8900   | 500 |      | µg/L  | 500 | 3/25/2021 4:09:44 AM | A76195              |
| Ethylbenzene                       | 690    | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Methyl tert-butyl ether (MTBE)     | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,2,4-Trimethylbenzene             | 400    | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,3,5-Trimethylbenzene             | 170    | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,2-Dichloroethane (EDC)           | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,2-Dibromoethane (EDB)            | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Naphthalene                        | ND     | 100 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 2-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Acetone                            | ND     | 500 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Bromobenzene                       | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Bromodichloromethane               | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Bromoform                          | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Bromomethane                       | ND     | 150 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 2-Butanone                         | ND     | 500 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Carbon disulfide                   | ND     | 500 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Carbon Tetrachloride               | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Chlorobenzene                      | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Chloroethane                       | ND     | 100 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Chloroform                         | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Chloromethane                      | ND     | 150 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 2-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 4-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| cis-1,2-DCE                        | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| cis-1,3-Dichloropropene            | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,2-Dibromo-3-chloropropane        | ND     | 100 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Dibromochloromethane               | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Dibromomethane                     | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,2-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,3-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,4-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| Dichlorodifluoromethane            | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,1-Dichloroethane                 | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,1-Dichloroethene                 | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,2-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 1,3-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |
| 2,2-Dichloropropane                | ND     | 100 |      | µg/L  | 50  | 3/25/2021 4:36:42 AM | A76195              |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |

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## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3

Project: Logos Julander Federal 1E

Collection Date: 3/12/2021 10:09:00 AM

Lab ID: 2103693-002

Matrix: AQUEOUS

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch               |
|------------------------------------|--------|--------|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: <b>BRM</b> |
| 1,1-Dichloropropene                | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Hexachlorobutadiene                | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 2-Hexanone                         | ND     | 500    |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Isopropylbenzene                   | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 4-Isopropyltoluene                 | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 4-Methyl-2-pentanone               | ND     | 500    |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Methylene Chloride                 | ND     | 150    |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| n-Butylbenzene                     | ND     | 150    |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| n-Propylbenzene                    | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| sec-Butylbenzene                   | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Styrene                            | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| tert-Butylbenzene                  | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 1,1,1,2-Tetrachloroethane          | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 1,1,2,2-Tetrachloroethane          | ND     | 100    |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Tetrachloroethene (PCE)            | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| trans-1,2-DCE                      | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| trans-1,3-Dichloropropene          | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 1,2,3-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 1,2,4-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 1,1,1-Trichloroethane              | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 1,1,2-Trichloroethane              | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Trichloroethene (TCE)              | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Trichlorofluoromethane             | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| 1,2,3-Trichloropropane             | ND     | 100    |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Vinyl chloride                     | ND     | 50     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Xylenes, Total                     | 7600   | 75     |      | µg/L  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Surr: 1,2-Dichloroethane-d4        | 91.2   | 70-130 |      | %Rec  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Surr: 4-Bromofluorobenzene         | 103    | 70-130 |      | %Rec  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Surr: Dibromofluoromethane         | 99.8   | 70-130 |      | %Rec  | 50 | 3/25/2021 4:36:42 AM | A76195              |
| Surr: Toluene-d8                   | 105    | 70-130 |      | %Rec  | 50 | 3/25/2021 4:36:42 AM | A76195              |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |
|--------------------|-----|-------------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              |
|                    | D   | Sample Diluted Due to Matrix                          |
|                    | H   | Holding times for preparation or analysis exceeded    |
|                    | ND  | Not Detected at the Reporting Limit                   |
|                    | PQL | Practical Quantitative Limit                          |
|                    | S   | % Recovery outside of range due to dilution or matrix |

|    |                                                 |
|----|-------------------------------------------------|
| B  | Analyte detected in the associated Method Blank |
| E  | Value above quantitation range                  |
| J  | Analyte detected below quantitation limits      |
| P  | Sample pH Not In Range                          |
| RL | Reporting Limit                                 |

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## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4

Project: Logos Julander Federal 1E

Collection Date: 3/12/2021 9:49:00 AM

Lab ID: 2103693-003

Matrix: AQUEOUS

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch               |
|------------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: <b>BRM</b> |
| Benzene                            | 3.7    | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Toluene                            | 6.6    | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Ethylbenzene                       | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Methyl tert-butyl ether (MTBE)     | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,2,4-Trimethylbenzene             | 8.4    | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,3,5-Trimethylbenzene             | 9.1    | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,2-Dichloroethane (EDC)           | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,2-Dibromoethane (EDB)            | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Naphthalene                        | ND     | 2.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 2-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Acetone                            | ND     | 10  |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Bromobenzene                       | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Bromodichloromethane               | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Bromoform                          | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Bromomethane                       | ND     | 3.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 2-Butanone                         | ND     | 10  |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Carbon disulfide                   | ND     | 10  |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Carbon Tetrachloride               | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Chlorobenzene                      | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Chloroethane                       | ND     | 2.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Chloroform                         | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Chloromethane                      | ND     | 3.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 2-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 4-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| cis-1,2-DCE                        | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| cis-1,3-Dichloropropene            | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,2-Dibromo-3-chloropropane        | ND     | 2.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Dibromochloromethane               | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Dibromomethane                     | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,2-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,3-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,4-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Dichlorodifluoromethane            | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,1-Dichloroethane                 | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,1-Dichloroethene                 | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,2-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,3-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 2,2-Dichloropropane                | ND     | 2.0 |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |
|--------------------|-----|-------------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              |
|                    | D   | Sample Diluted Due to Matrix                          |
|                    | H   | Holding times for preparation or analysis exceeded    |
|                    | ND  | Not Detected at the Reporting Limit                   |
|                    | PQL | Practical Quantitative Limit                          |
|                    | S   | % Recovery outside of range due to dilution or matrix |

|    |                                                 |
|----|-------------------------------------------------|
| B  | Analyte detected in the associated Method Blank |
| E  | Value above quantitation range                  |
| J  | Analyte detected below quantitation limits      |
| P  | Sample pH Not In Range                          |
| RL | Reporting Limit                                 |

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## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4

Project: Logos Julander Federal 1E

Collection Date: 3/12/2021 9:49:00 AM

Lab ID: 2103693-003

Matrix: AQUEOUS

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch               |
|------------------------------------|--------|--------|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: <b>BRM</b> |
| 1,1-Dichloropropene                | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Hexachlorobutadiene                | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 2-Hexanone                         | ND     | 10     |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Isopropylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 4-Isopropyltoluene                 | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 4-Methyl-2-pentanone               | ND     | 10     |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Methylene Chloride                 | ND     | 3.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| n-Butylbenzene                     | ND     | 3.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| n-Propylbenzene                    | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| sec-Butylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Styrene                            | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| tert-Butylbenzene                  | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,1,1,2-Tetrachloroethane          | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,1,2,2-Tetrachloroethane          | ND     | 2.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Tetrachloroethene (PCE)            | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| trans-1,2-DCE                      | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| trans-1,3-Dichloropropene          | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,2,3-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,2,4-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,1,1-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,1,2-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Trichloroethene (TCE)              | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Trichlorofluoromethane             | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| 1,2,3-Trichloropropane             | ND     | 2.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Vinyl chloride                     | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Xylenes, Total                     | 74     | 1.5    |      | µg/L  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Surr: 1,2-Dichloroethane-d4        | 84.8   | 70-130 |      | %Rec  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Surr: 4-Bromofluorobenzene         | 103    | 70-130 |      | %Rec  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Surr: Dibromofluoromethane         | 89.0   | 70-130 |      | %Rec  | 1  | 3/25/2021 5:03:34 AM | A76195              |
| Surr: Toluene-d8                   | 105    | 70-130 |      | %Rec  | 1  | 3/25/2021 5:03:34 AM | A76195              |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |
|--------------------|-----|-------------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              |
|                    | D   | Sample Diluted Due to Matrix                          |
|                    | H   | Holding times for preparation or analysis exceeded    |
|                    | ND  | Not Detected at the Reporting Limit                   |
|                    | PQL | Practical Quantitative Limit                          |
|                    | S   | % Recovery outside of range due to dilution or matrix |

|    |                                                 |
|----|-------------------------------------------------|
| B  | Analyte detected in the associated Method Blank |
| E  | Value above quantitation range                  |
| J  | Analyte detected below quantitation limits      |
| P  | Sample pH Not In Range                          |
| RL | Reporting Limit                                 |

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## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-9

Project: Logos Julander Federal 1E

Collection Date: 3/12/2021 10:35:00 AM

Lab ID: 2103693-004

Matrix: AQUEOUS

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL   | Qual | Units | DF  | Date Analyzed        | Batch               |
|------------------------------------|--------|------|------|-------|-----|----------------------|---------------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |      |      |       |     |                      | Analyst: <b>BRM</b> |
| Benzene                            | 6300   | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Toluene                            | 17000  | 1000 |      | µg/L  | 1E+ | 3/25/2021 5:30:29 AM | A76195              |
| Ethylbenzene                       | 930    | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Methyl tert-butyl ether (MTBE)     | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,2,4-Trimethylbenzene             | 550    | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,3,5-Trimethylbenzene             | 220    | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,2-Dichloroethane (EDC)           | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,2-Dibromoethane (EDB)            | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Naphthalene                        | ND     | 200  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1-Methylnaphthalene                | ND     | 400  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 2-Methylnaphthalene                | ND     | 400  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Acetone                            | ND     | 1000 |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Bromobenzene                       | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Bromodichloromethane               | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Bromoform                          | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Bromomethane                       | ND     | 300  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 2-Butanone                         | ND     | 1000 |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Carbon disulfide                   | ND     | 1000 |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Carbon Tetrachloride               | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Chlorobenzene                      | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Chloroethane                       | ND     | 200  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Chloroform                         | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Chloromethane                      | ND     | 300  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 2-Chlorotoluene                    | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 4-Chlorotoluene                    | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| cis-1,2-DCE                        | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| cis-1,3-Dichloropropene            | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,2-Dibromo-3-chloropropane        | ND     | 200  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Dibromochloromethane               | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Dibromomethane                     | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,2-Dichlorobenzene                | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,3-Dichlorobenzene                | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,4-Dichlorobenzene                | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| Dichlorodifluoromethane            | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,1-Dichloroethane                 | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,1-Dichloroethene                 | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,2-Dichloropropane                | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 1,3-Dichloropropane                | ND     | 100  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |
| 2,2-Dichloropropane                | ND     | 200  |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195              |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |

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## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-9

Project: Logos Julander Federal 1E

Collection Date: 3/12/2021 10:35:00 AM

Lab ID: 2103693-004

Matrix: AQUEOUS

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF  | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|-----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |     |                      | Analyst: BRM |
| 1,1-Dichloropropene                | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Hexachlorobutadiene                | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 2-Hexanone                         | ND     | 1000   |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Isopropylbenzene                   | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 4-Isopropyltoluene                 | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 4-Methyl-2-pentanone               | ND     | 1000   |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Methylene Chloride                 | ND     | 300    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| n-Butylbenzene                     | ND     | 300    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| n-Propylbenzene                    | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| sec-Butylbenzene                   | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Styrene                            | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| tert-Butylbenzene                  | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 1,1,1,2-Tetrachloroethane          | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 1,1,2,2-Tetrachloroethane          | ND     | 200    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Tetrachloroethene (PCE)            | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| trans-1,2-DCE                      | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| trans-1,3-Dichloropropene          | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 1,2,3-Trichlorobenzene             | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 1,2,4-Trichlorobenzene             | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 1,1,1-Trichloroethane              | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 1,1,2-Trichloroethane              | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Trichloroethene (TCE)              | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Trichlorofluoromethane             | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| 1,2,3-Trichloropropane             | ND     | 200    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Vinyl chloride                     | ND     | 100    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Xylenes, Total                     | 9000   | 150    |      | µg/L  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Surr: 1,2-Dichloroethane-d4        | 92.0   | 70-130 |      | %Rec  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Surr: 4-Bromofluorobenzene         | 108    | 70-130 |      | %Rec  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Surr: Dibromofluoromethane         | 99.2   | 70-130 |      | %Rec  | 100 | 3/25/2021 5:57:22 AM | A76195       |
| Surr: Toluene-d8                   | 105    | 70-130 |      | %Rec  | 100 | 3/25/2021 5:57:22 AM | A76195       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |
|                    |     |                                                       |    |                                                 |

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## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: Logos Julander Federal 1E

Collection Date:

Lab ID: 2103693-005

Matrix: TRIP BLANK

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch               |
|------------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: <b>BRM</b> |
| Benzene                            | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Toluene                            | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Ethylbenzene                       | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Methyl tert-butyl ether (MTBE)     | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,2,4-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,3,5-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,2-Dichloroethane (EDC)           | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,2-Dibromoethane (EDB)            | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Naphthalene                        | ND     | 2.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 2-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Acetone                            | ND     | 10  |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Bromobenzene                       | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Bromodichloromethane               | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Bromoform                          | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Bromomethane                       | ND     | 3.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 2-Butanone                         | ND     | 10  |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Carbon disulfide                   | ND     | 10  |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Carbon Tetrachloride               | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Chlorobenzene                      | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Chloroethane                       | ND     | 2.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Chloroform                         | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Chloromethane                      | ND     | 3.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 2-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 4-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| cis-1,2-DCE                        | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| cis-1,3-Dichloropropene            | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,2-Dibromo-3-chloropropane        | ND     | 2.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Dibromochloromethane               | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Dibromomethane                     | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,2-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,3-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,4-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| Dichlorodifluoromethane            | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,1-Dichloroethane                 | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,1-Dichloroethene                 | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,2-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 1,3-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |
| 2,2-Dichloropropane                | ND     | 2.0 |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195              |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |
|                    |     |                                                       |    |                                                 |

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## Analytical Report

Lab Order 2103693

Date Reported: 3/25/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: Logos Julander Federal 1E

Collection Date:

Lab ID: 2103693-005

Matrix: TRIP BLANK

Received Date: 3/13/2021 10:00:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: BRM |
| 1,1-Dichloropropene                | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Hexachlorobutadiene                | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 2-Hexanone                         | ND     | 10     |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Isopropylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 4-Isopropyltoluene                 | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 4-Methyl-2-pentanone               | ND     | 10     |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Methylene Chloride                 | ND     | 3.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| n-Butylbenzene                     | ND     | 3.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| n-Propylbenzene                    | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| sec-Butylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Styrene                            | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| tert-Butylbenzene                  | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 1,1,1,2-Tetrachloroethane          | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 1,1,2,2-Tetrachloroethane          | ND     | 2.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Tetrachloroethene (PCE)            | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| trans-1,2-DCE                      | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| trans-1,3-Dichloropropene          | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 1,2,3-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 1,2,4-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 1,1,1-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 1,1,2-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Trichloroethene (TCE)              | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Trichlorofluoromethane             | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| 1,2,3-Trichloropropane             | ND     | 2.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Vinyl chloride                     | ND     | 1.0    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Xylenes, Total                     | ND     | 1.5    |      | µg/L  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Surr: 1,2-Dichloroethane-d4        | 99.2   | 70-130 |      | %Rec  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Surr: 4-Bromofluorobenzene         | 105    | 70-130 |      | %Rec  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Surr: Dibromofluoromethane         | 102    | 70-130 |      | %Rec  | 1  | 3/25/2021 7:18:03 AM | A76195       |
| Surr: Toluene-d8                   | 103    | 70-130 |      | %Rec  | 1  | 3/25/2021 7:18:03 AM | A76195       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |
|                    |     |                                                       |    |                                                 |

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2103693

25-Mar-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>100ng lcs4</b> | SampType: <b>LCS</b>            |     |           |             | TestCode: <b>EPA Method 8260B: VOLATILES</b> |                    |           |      |          |      |
|------------------------------|---------------------------------|-----|-----------|-------------|----------------------------------------------|--------------------|-----------|------|----------|------|
| Client ID: <b>LCSW</b>       | Batch ID: <b>A76195</b>         |     |           |             | RunNo: <b>76195</b>                          |                    |           |      |          |      |
| Prep Date:                   | Analysis Date: <b>3/24/2021</b> |     |           |             | SeqNo: <b>2697617</b>                        | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                      | Result                          | PQL | SPK value | SPK Ref Val | %REC                                         | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                      | 20                              | 1.0 | 20.00     | 0           | 97.6                                         | 70                 | 130       |      |          |      |
| Toluene                      | 19                              | 1.0 | 20.00     | 0           | 95.1                                         | 70                 | 130       |      |          |      |
| Chlorobenzene                | 18                              | 1.0 | 20.00     | 0           | 91.8                                         | 70                 | 130       |      |          |      |
| 1,1-Dichloroethene           | 21                              | 1.0 | 20.00     | 0           | 103                                          | 70                 | 130       |      |          |      |
| Trichloroethene (TCE)        | 18                              | 1.0 | 20.00     | 0           | 91.9                                         | 70                 | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4  | 9.9                             |     | 10.00     |             | 99.0                                         | 70                 | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene   | 9.8                             |     | 10.00     |             | 98.4                                         | 70                 | 130       |      |          |      |
| Surr: Dibromofluoromethane   | 10                              |     | 10.00     |             | 101                                          | 70                 | 130       |      |          |      |
| Surr: Toluene-d8             | 9.9                             |     | 10.00     |             | 98.9                                         | 70                 | 130       |      |          |      |

| Sample ID: <b>mb</b>           | SampType: <b>MBLK</b>           |     |           |             | TestCode: <b>EPA Method 8260B: VOLATILES</b> |                    |           |      |          |      |
|--------------------------------|---------------------------------|-----|-----------|-------------|----------------------------------------------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>          | Batch ID: <b>A76195</b>         |     |           |             | RunNo: <b>76195</b>                          |                    |           |      |          |      |
| Prep Date:                     | Analysis Date: <b>3/24/2021</b> |     |           |             | SeqNo: <b>2697637</b>                        | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                        | Result                          | PQL | SPK value | SPK Ref Val | %REC                                         | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                        | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Toluene                        | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Ethylbenzene                   | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Naphthalene                    | ND                              | 2.0 |           |             |                                              |                    |           |      |          |      |
| 1-Methylnaphthalene            | ND                              | 4.0 |           |             |                                              |                    |           |      |          |      |
| 2-Methylnaphthalene            | ND                              | 4.0 |           |             |                                              |                    |           |      |          |      |
| Acetone                        | ND                              | 10  |           |             |                                              |                    |           |      |          |      |
| Bromobenzene                   | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Bromodichloromethane           | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Bromoform                      | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Bromomethane                   | ND                              | 3.0 |           |             |                                              |                    |           |      |          |      |
| 2-Butanone                     | ND                              | 10  |           |             |                                              |                    |           |      |          |      |
| Carbon disulfide               | ND                              | 10  |           |             |                                              |                    |           |      |          |      |
| Carbon Tetrachloride           | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Chlorobenzene                  | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Chloroethane                   | ND                              | 2.0 |           |             |                                              |                    |           |      |          |      |
| Chloroform                     | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Chloromethane                  | ND                              | 3.0 |           |             |                                              |                    |           |      |          |      |
| 2-Chlorotoluene                | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2103693

25-Mar-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        |        | SampType: <b>MBLK</b>           |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|--------|---------------------------------|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       |        | Batch ID: <b>A76195</b>         |           | RunNo: <b>76195</b>                          |      |                    |           |      |          |      |
| Prep Date:                  |        | Analysis Date: <b>3/24/2021</b> |           | SeqNo: <b>2697637</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result | PQL                             | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| 4-Chlorotoluene             | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| cis-1,2-DCE                 | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| cis-1,3-Dichloropropene     | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromo-3-chloropropane | ND     | 2.0                             |           |                                              |      |                    |           |      |          |      |
| Dibromochloromethane        | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| Dibromomethane              | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichlorobenzene         | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichlorobenzene         | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,4-Dichlorobenzene         | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| Dichlorodifluoromethane     | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethane          | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethene          | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloropropane         | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichloropropane         | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 2,2-Dichloropropane         | ND     | 2.0                             |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloropropene         | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| Hexachlorobutadiene         | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 2-Hexanone                  | ND     | 10                              |           |                                              |      |                    |           |      |          |      |
| Isopropylbenzene            | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 4-Isopropyltoluene          | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 4-Methyl-2-pentanone        | ND     | 10                              |           |                                              |      |                    |           |      |          |      |
| Methylene Chloride          | ND     | 3.0                             |           |                                              |      |                    |           |      |          |      |
| n-Butylbenzene              | ND     | 3.0                             |           |                                              |      |                    |           |      |          |      |
| n-Propylbenzene             | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| sec-Butylbenzene            | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| Styrene                     | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| tert-Butylbenzene           | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,1,2,2-Tetrachloroethane   | ND     | 2.0                             |           |                                              |      |                    |           |      |          |      |
| Tetrachloroethene (PCE)     | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| trans-1,2-DCE               | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| trans-1,3-Dichloropropene   | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,1,1-Trichloroethane       | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,1,2-Trichloroethane       | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| Trichloroethene (TCE)       | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| Trichlorofluoromethane      | ND     | 1.0                             |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichloropropane      | ND     | 2.0                             |           |                                              |      |                    |           |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2103693

25-Mar-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |           |                    |      |          |           |      |          |      |
|-----------------------------|---------------------------------|----------------------------------------------|-----------|--------------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>A76195</b>         | RunNo: <b>76195</b>                          |           |                    |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>3/24/2021</b> | SeqNo: <b>2697637</b>                        |           | Units: <b>µg/L</b> |      |          |           |      |          |      |
| Analyte                     | Result                          | PQL                                          | SPK value | SPK Ref Val        | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Vinyl chloride              | ND                              | 1.0                                          |           |                    |      |          |           |      |          |      |
| Xylenes, Total              | ND                              | 1.5                                          |           |                    |      |          |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10                              |                                              | 10.00     |                    | 99.6 | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 11                              |                                              | 10.00     |                    | 111  | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 11                              |                                              | 10.00     |                    | 107  | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 11                              |                                              | 10.00     |                    | 106  | 70       | 130       |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: Animas Environmental Services

Work Order Number: 2103693

RcptNo: 1

Received By: Erin Melendrez

3/13/2021 10:00:00 AM

Completed By: Erin Melendrez

3/13/2021 2:51:05 PM

Reviewed By: *ce*

3/15/21

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *SPA 3.15.21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 3.1                     | Good      |             |         |           |           |

Released to Imaging: 6/1/2022 3:10:04 PM

☐ EDD (Type)

Sample Temperature:  $2.9 + 0.2 \text{ (CF)} = 3.1^{\circ}\text{C}$

8260 Full List

Air Bubbles (Y or N)

MW-4 and MW-9 had hydrocarbon sheen.



## Analysis Request





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

June 23, 2021

David Reese  
Animas Environmental Services  
624 E. Comanche  
Farmington, NM 87401  
TEL:  
FAX

RE: Logos Julander Federal 1E

OrderNo.: 2106655

Dear David Reese:

Hall Environmental Analysis Laboratory received 4 sample(s) on 6/11/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2106655

Date Reported: 6/23/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3

Project: Logos Julander Federal 1E

Collection Date: 6/10/2021 9:10:00 AM

Lab ID: 2106655-001

Matrix: AQUEOUS

Received Date: 6/11/2021 7:30:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF  | Date Analyzed        | Batch        |
|------------------------------------|--------|-----|------|-------|-----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |     |                      | Analyst: RAA |
| Benzene                            | 14000  | 500 |      | µg/L  | 500 | 6/18/2021 6:07:35 PM | R79222       |
| Toluene                            | 20000  | 500 |      | µg/L  | 500 | 6/18/2021 6:07:35 PM | R79222       |
| Ethylbenzene                       | 980    | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Methyl tert-butyl ether (MTBE)     | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,2,4-Trimethylbenzene             | 380    | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,3,5-Trimethylbenzene             | 150    | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,2-Dichloroethane (EDC)           | ND     | 20  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,2-Dibromoethane (EDB)            | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Naphthalene                        | 100    | 100 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 2-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Acetone                            | ND     | 500 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Bromobenzene                       | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Bromodichloromethane               | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Bromoform                          | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Bromomethane                       | ND     | 150 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 2-Butanone                         | ND     | 500 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Carbon disulfide                   | ND     | 500 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Carbon Tetrachloride               | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Chlorobenzene                      | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Chloroethane                       | ND     | 100 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Chloroform                         | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Chloromethane                      | ND     | 150 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 2-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 4-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| cis-1,2-DCE                        | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| cis-1,3-Dichloropropene            | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,2-Dibromo-3-chloropropane        | ND     | 100 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Dibromochloromethane               | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Dibromomethane                     | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,2-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,3-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,4-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| Dichlorodifluoromethane            | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,1-Dichloroethane                 | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,1-Dichloroethene                 | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,2-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 1,3-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |
| 2,2-Dichloropropane                | ND     | 100 |      | µg/L  | 50  | 6/18/2021 6:35:12 PM | R79222       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |

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## Analytical Report

Lab Order 2106655

Date Reported: 6/23/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3

Project: Logos Julander Federal 1E

Collection Date: 6/10/2021 9:10:00 AM

Lab ID: 2106655-001

Matrix: AQUEOUS

Received Date: 6/11/2021 7:30:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: RAA |
| 1,1-Dichloropropene                | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Hexachlorobutadiene                | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 2-Hexanone                         | ND     | 500    |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Isopropylbenzene                   | 53     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 4-Isopropyltoluene                 | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 4-Methyl-2-pentanone               | ND     | 500    |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Methylene Chloride                 | ND     | 150    |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| n-Butylbenzene                     | ND     | 150    |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| n-Propylbenzene                    | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| sec-Butylbenzene                   | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Styrene                            | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| tert-Butylbenzene                  | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 1,1,1,2-Tetrachloroethane          | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 1,1,2,2-Tetrachloroethane          | ND     | 100    |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Tetrachloroethene (PCE)            | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| trans-1,2-DCE                      | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| trans-1,3-Dichloropropene          | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 1,2,3-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 1,2,4-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 1,1,1-Trichloroethane              | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 1,1,2-Trichloroethane              | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Trichloroethene (TCE)              | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Trichlorofluoromethane             | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| 1,2,3-Trichloropropane             | ND     | 100    |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Vinyl chloride                     | ND     | 50     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Xylenes, Total                     | 8900   | 75     |      | µg/L  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Surr: 1,2-Dichloroethane-d4        | 113    | 70-130 |      | %Rec  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Surr: 4-Bromofluorobenzene         | 109    | 70-130 |      | %Rec  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Surr: Dibromofluoromethane         | 106    | 70-130 |      | %Rec  | 50 | 6/18/2021 6:35:12 PM | R79222       |
| Surr: Toluene-d8                   | 107    | 70-130 |      | %Rec  | 50 | 6/18/2021 6:35:12 PM | R79222       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |
|                    |     |                                                       |    |                                                 |

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## Analytical Report

Lab Order 2106655

Date Reported: 6/23/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4

Project: Logos Julander Federal 1E

Collection Date: 6/10/2021 9:41:00 AM

Lab ID: 2106655-002

Matrix: AQUEOUS

Received Date: 6/11/2021 7:30:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: RAA |
| Benzene                            | 150    | 10  |      | µg/L  | 10 | 6/21/2021 4:14:16 PM | R79245       |
| Toluene                            | 47     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Ethylbenzene                       | 26     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Methyl tert-butyl ether (MTBE)     | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,2,4-Trimethylbenzene             | 47     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,3,5-Trimethylbenzene             | 26     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,2-Dichloroethane (EDC)           | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,2-Dibromoethane (EDB)            | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Naphthalene                        | 6.3    | 2.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 2-Methylnaphthalene                | 5.2    | 4.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Acetone                            | ND     | 10  |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Bromobenzene                       | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Bromodichloromethane               | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Bromoform                          | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Bromomethane                       | ND     | 3.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 2-Butanone                         | ND     | 10  |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Carbon disulfide                   | ND     | 10  |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Carbon Tetrachloride               | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Chlorobenzene                      | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Chloroethane                       | ND     | 2.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Chloroform                         | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Chloromethane                      | ND     | 3.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 2-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 4-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| cis-1,2-DCE                        | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| cis-1,3-Dichloropropene            | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,2-Dibromo-3-chloropropane        | ND     | 2.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Dibromochloromethane               | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Dibromomethane                     | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,2-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,3-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,4-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Dichlorodifluoromethane            | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,1-Dichloroethane                 | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,1-Dichloroethene                 | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,2-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,3-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 2,2-Dichloropropane                | ND     | 2.0 |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |

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## Analytical Report

Lab Order 2106655

Date Reported: 6/23/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4

Project: Logos Julander Federal 1E

Collection Date: 6/10/2021 9:41:00 AM

Lab ID: 2106655-002

Matrix: AQUEOUS

Received Date: 6/11/2021 7:30:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: RAA |
| 1,1-Dichloropropene                | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Hexachlorobutadiene                | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 2-Hexanone                         | ND     | 10     |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Isopropylbenzene                   | 2.8    | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 4-Isopropyltoluene                 | 3.6    | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 4-Methyl-2-pentanone               | ND     | 10     |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Methylene Chloride                 | ND     | 3.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| n-Butylbenzene                     | ND     | 3.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| n-Propylbenzene                    | 2.6    | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| sec-Butylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Styrene                            | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| tert-Butylbenzene                  | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,1,1,2-Tetrachloroethane          | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,1,2,2-Tetrachloroethane          | ND     | 2.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Tetrachloroethene (PCE)            | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| trans-1,2-DCE                      | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| trans-1,3-Dichloropropene          | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,2,3-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,2,4-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,1,1-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,1,2-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Trichloroethene (TCE)              | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Trichlorofluoromethane             | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| 1,2,3-Trichloropropane             | ND     | 2.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Vinyl chloride                     | ND     | 1.0    |      | µg/L  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Xylenes, Total                     | 330    | 15     |      | µg/L  | 10 | 6/21/2021 4:14:16 PM | R79245       |
| Surr: 1,2-Dichloroethane-d4        | 81.8   | 70-130 |      | %Rec  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Surr: 4-Bromofluorobenzene         | 122    | 70-130 |      | %Rec  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Surr: Dibromofluoromethane         | 77.2   | 70-130 |      | %Rec  | 1  | 6/18/2021 7:02:42 PM | R79222       |
| Surr: Toluene-d8                   | 107    | 70-130 |      | %Rec  | 1  | 6/18/2021 7:02:42 PM | R79222       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |
|--------------------|-----|-------------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              |
|                    | D   | Sample Diluted Due to Matrix                          |
|                    | H   | Holding times for preparation or analysis exceeded    |
|                    | ND  | Not Detected at the Reporting Limit                   |
|                    | PQL | Practical Quantitative Limit                          |
|                    | S   | % Recovery outside of range due to dilution or matrix |

|    |                                                 |
|----|-------------------------------------------------|
| B  | Analyte detected in the associated Method Blank |
| E  | Value above quantitation range                  |
| J  | Analyte detected below quantitation limits      |
| P  | Sample pH Not In Range                          |
| RL | Reporting Limit                                 |

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## Analytical Report

Lab Order 2106655

Date Reported: 6/23/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-9

Project: Logos Julander Federal 1E

Collection Date: 6/10/2021 10:07:00 AM

Lab ID: 2106655-003

Matrix: AQUEOUS

Received Date: 6/11/2021 7:30:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF  | Date Analyzed        | Batch        |
|------------------------------------|--------|-----|------|-------|-----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |     |                      | Analyst: RAA |
| Benzene                            | 9400   | 500 |      | µg/L  | 500 | 6/18/2021 7:30:10 PM | R79222       |
| Toluene                            | 29000  | 500 |      | µg/L  | 500 | 6/18/2021 7:30:10 PM | R79222       |
| Ethylbenzene                       | 1600   | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Methyl tert-butyl ether (MTBE)     | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,2,4-Trimethylbenzene             | 950    | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,3,5-Trimethylbenzene             | 370    | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,2-Dichloroethane (EDC)           | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,2-Dibromoethane (EDB)            | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Naphthalene                        | 170    | 100 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 2-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Acetone                            | ND     | 500 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Bromobenzene                       | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Bromodichloromethane               | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Bromoform                          | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Bromomethane                       | ND     | 150 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 2-Butanone                         | ND     | 500 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Carbon disulfide                   | ND     | 500 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Carbon Tetrachloride               | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Chlorobenzene                      | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Chloroethane                       | ND     | 100 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Chloroform                         | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Chloromethane                      | ND     | 150 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 2-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 4-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| cis-1,2-DCE                        | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| cis-1,3-Dichloropropene            | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,2-Dibromo-3-chloropropane        | ND     | 100 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Dibromochloromethane               | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Dibromomethane                     | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,2-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,3-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,4-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Dichlorodifluoromethane            | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,1-Dichloroethane                 | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,1-Dichloroethene                 | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,2-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,3-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 2,2-Dichloropropane                | ND     | 100 |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |

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## Analytical Report

Lab Order 2106655

Date Reported: 6/23/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-9

Project: Logos Julander Federal 1E

Collection Date: 6/10/2021 10:07:00 AM

Lab ID: 2106655-003

Matrix: AQUEOUS

Received Date: 6/11/2021 7:30:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF  | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|-----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |     |                      | Analyst: RAA |
| 1,1-Dichloropropene                | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Hexachlorobutadiene                | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 2-Hexanone                         | ND     | 500    |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Isopropylbenzene                   | 140    | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 4-Isopropyltoluene                 | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 4-Methyl-2-pentanone               | ND     | 500    |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Methylene Chloride                 | ND     | 150    |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| n-Butylbenzene                     | ND     | 150    |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| n-Propylbenzene                    | 160    | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| sec-Butylbenzene                   | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Styrene                            | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| tert-Butylbenzene                  | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,1,1,2-Tetrachloroethane          | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,1,2,2-Tetrachloroethane          | ND     | 100    |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Tetrachloroethene (PCE)            | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| trans-1,2-DCE                      | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| trans-1,3-Dichloropropene          | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,2,3-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,2,4-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,1,1-Trichloroethane              | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,1,2-Trichloroethane              | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Trichloroethene (TCE)              | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Trichlorofluoromethane             | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| 1,2,3-Trichloropropane             | ND     | 100    |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Vinyl chloride                     | ND     | 50     |      | µg/L  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Xylenes, Total                     | 14000  | 750    |      | µg/L  | 500 | 6/18/2021 7:30:10 PM | R79222       |
| Surr: 1,2-Dichloroethane-d4        | 95.0   | 70-130 |      | %Rec  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Surr: 4-Bromofluorobenzene         | 106    | 70-130 |      | %Rec  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Surr: Dibromofluoromethane         | 84.9   | 70-130 |      | %Rec  | 50  | 6/18/2021 7:57:41 PM | R79222       |
| Surr: Toluene-d8                   | 108    | 70-130 |      | %Rec  | 50  | 6/18/2021 7:57:41 PM | R79222       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |
|--------------------|-----|-------------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              |
|                    | D   | Sample Diluted Due to Matrix                          |
|                    | H   | Holding times for preparation or analysis exceeded    |
|                    | ND  | Not Detected at the Reporting Limit                   |
|                    | PQL | Practical Quantitative Limit                          |
|                    | S   | % Recovery outside of range due to dilution or matrix |

|    |                                                 |
|----|-------------------------------------------------|
| B  | Analyte detected in the associated Method Blank |
| E  | Value above quantitation range                  |
| J  | Analyte detected below quantitation limits      |
| P  | Sample pH Not In Range                          |
| RL | Reporting Limit                                 |

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## Analytical Report

Lab Order 2106655

Date Reported: 6/23/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: Logos Julander Federal 1E

Collection Date:

Lab ID: 2106655-004

Matrix: TRIP BLANK

Received Date: 6/11/2021 7:30:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: RAA |
| Benzene                            | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Toluene                            | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Ethylbenzene                       | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Methyl tert-butyl ether (MTBE)     | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,2,4-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,3,5-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,2-Dichloroethane (EDC)           | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,2-Dibromoethane (EDB)            | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Naphthalene                        | ND     | 2.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 2-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Acetone                            | ND     | 10  |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Bromobenzene                       | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Bromodichloromethane               | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Bromoform                          | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Bromomethane                       | ND     | 3.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 2-Butanone                         | ND     | 10  |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Carbon disulfide                   | ND     | 10  |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Carbon Tetrachloride               | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Chlorobenzene                      | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Chloroethane                       | ND     | 2.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Chloroform                         | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Chloromethane                      | ND     | 3.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 2-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 4-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| cis-1,2-DCE                        | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| cis-1,3-Dichloropropene            | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,2-Dibromo-3-chloropropane        | ND     | 2.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Dibromochloromethane               | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Dibromomethane                     | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,2-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,3-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,4-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Dichlorodifluoromethane            | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,1-Dichloroethane                 | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,1-Dichloroethene                 | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,2-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,3-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 2,2-Dichloropropane                | ND     | 2.0 |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |

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## Analytical Report

Lab Order 2106655

Date Reported: 6/23/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: Logos Julander Federal 1E

Collection Date:

Lab ID: 2106655-004

Matrix: TRIP BLANK

Received Date: 6/11/2021 7:30:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: RAA |
| 1,1-Dichloropropene                | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Hexachlorobutadiene                | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 2-Hexanone                         | ND     | 10     |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Isopropylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 4-Isopropyltoluene                 | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 4-Methyl-2-pentanone               | ND     | 10     |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Methylene Chloride                 | ND     | 3.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| n-Butylbenzene                     | ND     | 3.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| n-Propylbenzene                    | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| sec-Butylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Styrene                            | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| tert-Butylbenzene                  | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,1,1,2-Tetrachloroethane          | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,1,2,2-Tetrachloroethane          | ND     | 2.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Tetrachloroethene (PCE)            | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| trans-1,2-DCE                      | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| trans-1,3-Dichloropropene          | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,2,3-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,2,4-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,1,1-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,1,2-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Trichloroethene (TCE)              | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Trichlorofluoromethane             | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| 1,2,3-Trichloropropane             | ND     | 2.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Vinyl chloride                     | ND     | 1.0    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Xylenes, Total                     | ND     | 1.5    |      | µg/L  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Surr: 1,2-Dichloroethane-d4        | 112    | 70-130 |      | %Rec  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Surr: 4-Bromofluorobenzene         | 108    | 70-130 |      | %Rec  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Surr: Dibromofluoromethane         | 104    | 70-130 |      | %Rec  | 1  | 6/21/2021 4:41:41 PM | R79245       |
| Surr: Toluene-d8                   | 105    | 70-130 |      | %Rec  | 1  | 6/21/2021 4:41:41 PM | R79245       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |
|--------------------|-----|-------------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              |
|                    | D   | Sample Diluted Due to Matrix                          |
|                    | H   | Holding times for preparation or analysis exceeded    |
|                    | ND  | Not Detected at the Reporting Limit                   |
|                    | PQL | Practical Quantitative Limit                          |
|                    | S   | % Recovery outside of range due to dilution or matrix |

|    |                                                 |
|----|-------------------------------------------------|
| B  | Analyte detected in the associated Method Blank |
| E  | Value above quantitation range                  |
| J  | Analyte detected below quantitation limits      |
| P  | Sample pH Not In Range                          |
| RL | Reporting Limit                                 |

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106655

23-Jun-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>100ng lcs</b> | SampType: <b>LCS</b>            |     |           |             | TestCode: <b>EPA Method 8260B: VOLATILES</b> |                    |           |      |          |      |
|-----------------------------|---------------------------------|-----|-----------|-------------|----------------------------------------------|--------------------|-----------|------|----------|------|
| Client ID: <b>LCSW</b>      | Batch ID: <b>R79222</b>         |     |           |             | RunNo: <b>79222</b>                          |                    |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>6/18/2021</b> |     |           |             | SeqNo: <b>2781505</b>                        | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result                          | PQL | SPK value | SPK Ref Val | %REC                                         | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                     | 22                              | 1.0 | 20.00     | 0           | 108                                          | 70                 | 130       |      |          |      |
| Toluene                     | 21                              | 1.0 | 20.00     | 0           | 105                                          | 70                 | 130       |      |          |      |
| Chlorobenzene               | 20                              | 1.0 | 20.00     | 0           | 101                                          | 70                 | 130       |      |          |      |
| 1,1-Dichloroethene          | 20                              | 1.0 | 20.00     | 0           | 97.9                                         | 70                 | 130       |      |          |      |
| Trichloroethene (TCE)       | 20                              | 1.0 | 20.00     | 0           | 97.5                                         | 70                 | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 11                              |     | 10.00     |             | 111                                          | 70                 | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                              |     | 10.00     |             | 103                                          | 70                 | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 10                              |     | 10.00     |             | 102                                          | 70                 | 130       |      |          |      |
| Surr: Toluene-d8            | 10                              |     | 10.00     |             | 101                                          | 70                 | 130       |      |          |      |

| Sample ID: <b>mb</b>           | SampType: <b>MBLK</b>           |     |           |             | TestCode: <b>EPA Method 8260B: VOLATILES</b> |                    |           |      |          |      |
|--------------------------------|---------------------------------|-----|-----------|-------------|----------------------------------------------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>          | Batch ID: <b>R79222</b>         |     |           |             | RunNo: <b>79222</b>                          |                    |           |      |          |      |
| Prep Date:                     | Analysis Date: <b>6/18/2021</b> |     |           |             | SeqNo: <b>2781550</b>                        | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                        | Result                          | PQL | SPK value | SPK Ref Val | %REC                                         | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                        | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Toluene                        | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Ethylbenzene                   | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Naphthalene                    | ND                              | 2.0 |           |             |                                              |                    |           |      |          |      |
| 1-Methylnaphthalene            | ND                              | 4.0 |           |             |                                              |                    |           |      |          |      |
| 2-Methylnaphthalene            | ND                              | 4.0 |           |             |                                              |                    |           |      |          |      |
| Acetone                        | ND                              | 10  |           |             |                                              |                    |           |      |          |      |
| Bromobenzene                   | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Bromodichloromethane           | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Bromoform                      | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Bromomethane                   | ND                              | 3.0 |           |             |                                              |                    |           |      |          |      |
| 2-Butanone                     | ND                              | 10  |           |             |                                              |                    |           |      |          |      |
| Carbon disulfide               | ND                              | 10  |           |             |                                              |                    |           |      |          |      |
| Carbon Tetrachloride           | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Chlorobenzene                  | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Chloroethane                   | ND                              | 2.0 |           |             |                                              |                    |           |      |          |      |
| Chloroform                     | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |
| Chloromethane                  | ND                              | 3.0 |           |             |                                              |                    |           |      |          |      |
| 2-Chlorotoluene                | ND                              | 1.0 |           |             |                                              |                    |           |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106655

23-Jun-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>           |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|---------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R79222</b>         |     |           | RunNo: <b>79222</b>                          |      |                    |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>6/18/2021</b> |     |           | SeqNo: <b>2781550</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result                          | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| 4-Chlorotoluene             | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,2-DCE                 | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,3-Dichloropropene     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromo-3-chloropropane | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| Dibromochloromethane        | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dibromomethane              | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichlorobenzene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichlorobenzene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,4-Dichlorobenzene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dichlorodifluoromethane     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethane          | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethene          | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloropropane         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichloropropane         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2,2-Dichloropropane         | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloropropene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Hexachlorobutadiene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2-Hexanone                  | ND                              | 10  |           |                                              |      |                    |           |      |          |      |
| Isopropylbenzene            | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Isopropyltoluene          | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Methyl-2-pentanone        | ND                              | 10  |           |                                              |      |                    |           |      |          |      |
| Methylene Chloride          | ND                              | 3.0 |           |                                              |      |                    |           |      |          |      |
| n-Butylbenzene              | ND                              | 3.0 |           |                                              |      |                    |           |      |          |      |
| n-Propylbenzene             | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| sec-Butylbenzene            | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Styrene                     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| tert-Butylbenzene           | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2,2-Tetrachloroethane   | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| Tetrachloroethene (PCE)     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,2-DCE               | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,3-Dichloropropene   | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1-Trichloroethane       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2-Trichloroethane       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichloroethene (TCE)       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichlorofluoromethane      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichloropropane      | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106655

23-Jun-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |           |             |      |          |           |      |          |      |
|-----------------------------|---------------------------------|----------------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R79222</b>         | RunNo: <b>79222</b>                          |           |             |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>6/18/2021</b> | SeqNo: <b>2781550</b> Units: <b>µg/L</b>     |           |             |      |          |           |      |          |      |
| Analyte                     | Result                          | PQL                                          | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Vinyl chloride              | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |
| Xylenes, Total              | ND                              | 1.5                                          |           |             |      |          |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 11                              |                                              | 10.00     |             | 109  | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                              |                                              | 10.00     |             | 105  | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 11                              |                                              | 10.00     |             | 105  | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 10                              |                                              | 10.00     |             | 103  | 70       | 130       |      |          |      |

| Sample ID: <b>100ng lcs</b> | SampType: <b>LCS</b>            | TestCode: <b>EPA Method 8260B: VOLATILES</b> |           |             |      |          |           |      |          |      |
|-----------------------------|---------------------------------|----------------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSW</b>      | Batch ID: <b>R79245</b>         | RunNo: <b>79245</b>                          |           |             |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>6/21/2021</b> | SeqNo: <b>2782887</b> Units: <b>µg/L</b>     |           |             |      |          |           |      |          |      |
| Analyte                     | Result                          | PQL                                          | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                     | 17                              | 1.0                                          | 20.00     | 0           | 86.3 | 70       | 130       |      |          |      |
| Toluene                     | 19                              | 1.0                                          | 20.00     | 0           | 94.4 | 70       | 130       |      |          |      |
| Chlorobenzene               | 19                              | 1.0                                          | 20.00     | 0           | 95.5 | 70       | 130       |      |          |      |
| 1,1-Dichloroethene          | 16                              | 1.0                                          | 20.00     | 0           | 82.0 | 70       | 130       |      |          |      |
| Trichloroethene (TCE)       | 17                              | 1.0                                          | 20.00     | 0           | 87.0 | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 9.9                             |                                              | 10.00     |             | 98.8 | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 11                              |                                              | 10.00     |             | 109  | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 9.5                             |                                              | 10.00     |             | 94.7 | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 9.7                             |                                              | 10.00     |             | 97.4 | 70       | 130       |      |          |      |

| Sample ID: <b>mb</b>           | SampType: <b>MBLK</b>           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |           |             |      |          |           |      |          |      |
|--------------------------------|---------------------------------|----------------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>          | Batch ID: <b>R79245</b>         | RunNo: <b>79245</b>                          |           |             |      |          |           |      |          |      |
| Prep Date:                     | Analysis Date: <b>6/21/2021</b> | SeqNo: <b>2782925</b> Units: <b>µg/L</b>     |           |             |      |          |           |      |          |      |
| Analyte                        | Result                          | PQL                                          | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                        | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |
| Toluene                        | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |
| Ethylbenzene                   | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |
| Naphthalene                    | ND                              | 2.0                                          |           |             |      |          |           |      |          |      |
| 1-Methylnaphthalene            | ND                              | 4.0                                          |           |             |      |          |           |      |          |      |
| 2-Methylnaphthalene            | ND                              | 4.0                                          |           |             |      |          |           |      |          |      |
| Acetone                        | ND                              | 10                                           |           |             |      |          |           |      |          |      |
| Bromobenzene                   | ND                              | 1.0                                          |           |             |      |          |           |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2106655

23-Jun-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |                    |             |      |          |           |      |          |      |
|-----------------------------|---------------------------------|----------------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R79245</b>         | RunNo: <b>79245</b>                          |                    |             |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>6/21/2021</b> | SeqNo: <b>2782925</b>                        | Units: <b>µg/L</b> |             |      |          |           |      |          |      |
| Analyte                     | Result                          | PQL                                          | SPK value          | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Bromodichloromethane        | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Bromoform                   | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Bromomethane                | ND                              | 3.0                                          |                    |             |      |          |           |      |          |      |
| 2-Butanone                  | ND                              | 10                                           |                    |             |      |          |           |      |          |      |
| Carbon disulfide            | ND                              | 10                                           |                    |             |      |          |           |      |          |      |
| Carbon Tetrachloride        | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Chlorobenzene               | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Chloroethane                | ND                              | 2.0                                          |                    |             |      |          |           |      |          |      |
| Chloroform                  | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Chloromethane               | ND                              | 3.0                                          |                    |             |      |          |           |      |          |      |
| 2-Chlorotoluene             | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 4-Chlorotoluene             | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| cis-1,2-DCE                 | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| cis-1,3-Dichloropropene     | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2-Dibromo-3-chloropropane | ND                              | 2.0                                          |                    |             |      |          |           |      |          |      |
| Dibromochloromethane        | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Dibromomethane              | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2-Dichlorobenzene         | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,3-Dichlorobenzene         | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,4-Dichlorobenzene         | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Dichlorodifluoromethane     | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,1-Dichloroethane          | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,1-Dichloroethene          | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2-Dichloropropane         | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,3-Dichloropropane         | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 2,2-Dichloropropane         | ND                              | 2.0                                          |                    |             |      |          |           |      |          |      |
| 1,1-Dichloropropene         | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Hexachlorobutadiene         | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 2-Hexanone                  | ND                              | 10                                           |                    |             |      |          |           |      |          |      |
| Isopropylbenzene            | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 4-Isopropyltoluene          | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 4-Methyl-2-pentanone        | ND                              | 10                                           |                    |             |      |          |           |      |          |      |
| Methylene Chloride          | ND                              | 3.0                                          |                    |             |      |          |           |      |          |      |
| n-Butylbenzene              | ND                              | 3.0                                          |                    |             |      |          |           |      |          |      |
| n-Propylbenzene             | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| sec-Butylbenzene            | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Styrene                     | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| tert-Butylbenzene           | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106655

23-Jun-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

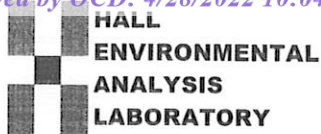
| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>           |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|---------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R79245</b>         |     |           | RunNo: <b>79245</b>                          |      |                    |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>6/21/2021</b> |     |           | SeqNo: <b>2782925</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result                          | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| 1,1,2,2-Tetrachloroethane   | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| Tetrachloroethene (PCE)     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,2-DCE               | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,3-Dichloropropene   | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1-Trichloroethane       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2-Trichloroethane       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichloroethene (TCE)       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichlorofluoromethane      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichloropropane      | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| Vinyl chloride              | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Xylenes, Total              | ND                              | 1.5 |           |                                              |      |                    |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 11                              |     | 10.00     |                                              | 107  | 70                 | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 11                              |     | 10.00     |                                              | 111  | 70                 | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 10                              |     | 10.00     |                                              | 101  | 70                 | 130       |      |          |      |
| Surr: Toluene-d8            | 10                              |     | 10.00     |                                              | 103  | 70                 | 130       |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
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P Sample pH Not In Range  
RL Reporting Limit

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: **Animas Environmental Services**

Work Order Number: **2106655**

RcptNo: **1**

Received By: **Juan Rojas**

6/11/2021 7:30:00 AM

Completed By: **Desiree Dominguez**

6/11/2021 8:37:02 AM

Reviewed By: *g/11/21*

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? */*

Checked by: *KPG 6/11/21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 1.7                     | Good      | Yes         |         |           |           |
| 2         | 0.4                     | Good      | Yes         |         |           |           |







Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

September 30, 2021

David Reese  
Animas Environmental Services  
624 E. Comanche  
Farmington, NM 87401  
TEL:  
FAX:

RE: Logos Julander Federal 1E

OrderNo.: 2109B86

Dear David Reese:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/22/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2109B86

Date Reported: 9/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3

Project: Logos Julander Federal 1E

Collection Date: 9/21/2021 10:11:00 AM

Lab ID: 2109B86-001

Matrix: AQUEOUS

Received Date: 9/22/2021 7:10:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF  | Date Analyzed         | Batch        |
|------------------------------------|--------|-----|------|-------|-----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |     |                       | Analyst: CCM |
| Benzene                            | 12000  | 500 |      | µg/L  | 500 | 9/25/2021 12:50:00 AM | R81546       |
| Toluene                            | 13000  | 500 |      | µg/L  | 500 | 9/25/2021 12:50:00 AM | R81546       |
| Ethylbenzene                       | 720    | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Methyl tert-butyl ether (MTBE)     | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,2,4-Trimethylbenzene             | 430    | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,3,5-Trimethylbenzene             | 180    | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,2-Dichloroethane (EDC)           | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,2-Dibromoethane (EDB)            | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Naphthalene                        | ND     | 100 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 2-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Acetone                            | ND     | 500 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Bromobenzene                       | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Bromodichloromethane               | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Bromoform                          | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Bromomethane                       | ND     | 150 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 2-Butanone                         | ND     | 500 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Carbon disulfide                   | ND     | 500 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Carbon Tetrachloride               | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Chlorobenzene                      | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Chloroethane                       | ND     | 100 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Chloroform                         | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Chloromethane                      | ND     | 150 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 2-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 4-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| cis-1,2-DCE                        | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| cis-1,3-Dichloropropene            | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,2-Dibromo-3-chloropropane        | ND     | 100 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Dibromochloromethane               | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Dibromomethane                     | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,2-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,3-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,4-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| Dichlorodifluoromethane            | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,1-Dichloroethane                 | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,1-Dichloroethene                 | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,2-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 1,3-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |
| 2,2-Dichloropropane                | ND     | 100 |      | µg/L  | 50  | 9/25/2021 1:13:00 AM  | R81546       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |

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## Analytical Report

Lab Order 2109B86

Date Reported: 9/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3

Project: Logos Julander Federal 1E

Collection Date: 9/21/2021 10:11:00 AM

Lab ID: 2109B86-001

Matrix: AQUEOUS

Received Date: 9/22/2021 7:10:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: CCM |
| 1,1-Dichloropropene                | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Hexachlorobutadiene                | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 2-Hexanone                         | ND     | 500    |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Isopropylbenzene                   | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 4-Isopropyltoluene                 | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 4-Methyl-2-pentanone               | ND     | 500    |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Methylene Chloride                 | ND     | 150    |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| n-Butylbenzene                     | ND     | 150    |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| n-Propylbenzene                    | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| sec-Butylbenzene                   | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Styrene                            | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| tert-Butylbenzene                  | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 1,1,1,2-Tetrachloroethane          | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 1,1,2,2-Tetrachloroethane          | ND     | 100    |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Tetrachloroethene (PCE)            | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| trans-1,2-DCE                      | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| trans-1,3-Dichloropropene          | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 1,2,3-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 1,2,4-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 1,1,1-Trichloroethane              | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 1,1,2-Trichloroethane              | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Trichloroethene (TCE)              | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Trichlorofluoromethane             | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| 1,2,3-Trichloropropane             | ND     | 100    |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Vinyl chloride                     | ND     | 50     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Xylenes, Total                     | 9100   | 75     |      | µg/L  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Surr: 1,2-Dichloroethane-d4        | 102    | 70-130 |      | %Rec  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Surr: 4-Bromofluorobenzene         | 98.8   | 70-130 |      | %Rec  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Surr: Dibromofluoromethane         | 99.6   | 70-130 |      | %Rec  | 50 | 9/25/2021 1:13:00 AM | R81546       |
| Surr: Toluene-d8                   | 97.9   | 70-130 |      | %Rec  | 50 | 9/25/2021 1:13:00 AM | R81546       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |

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## Analytical Report

Lab Order 2109B86

Date Reported: 9/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4

Project: Logos Julander Federal 1E

Collection Date: 9/21/2021 10:41:00 AM

Lab ID: 2109B86-002

Matrix: AQUEOUS

Received Date: 9/22/2021 7:10:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: RAA |
| Benzene                            | 870    | 50  |      | µg/L  | 50 | 9/25/2021 3:25:00 PM | R81590       |
| Toluene                            | 1400   | 50  |      | µg/L  | 50 | 9/25/2021 3:25:00 PM | R81590       |
| Ethylbenzene                       | 100    | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Methyl tert-butyl ether (MTBE)     | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,2,4-Trimethylbenzene             | 48     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,3,5-Trimethylbenzene             | 22     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,2-Dichloroethane (EDC)           | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,2-Dibromoethane (EDB)            | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Naphthalene                        | ND     | 10  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1-Methylnaphthalene                | ND     | 20  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 2-Methylnaphthalene                | ND     | 20  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Acetone                            | ND     | 50  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Bromobenzene                       | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Bromodichloromethane               | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Bromoform                          | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Bromomethane                       | ND     | 15  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 2-Butanone                         | ND     | 50  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Carbon disulfide                   | ND     | 50  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Carbon Tetrachloride               | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Chlorobenzene                      | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Chloroethane                       | ND     | 10  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Chloroform                         | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Chloromethane                      | ND     | 15  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 2-Chlorotoluene                    | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 4-Chlorotoluene                    | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| cis-1,2-DCE                        | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| cis-1,3-Dichloropropene            | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,2-Dibromo-3-chloropropane        | ND     | 10  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Dibromochloromethane               | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Dibromomethane                     | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,2-Dichlorobenzene                | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,3-Dichlorobenzene                | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,4-Dichlorobenzene                | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Dichlorodifluoromethane            | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,1-Dichloroethane                 | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,1-Dichloroethene                 | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,2-Dichloropropane                | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,3-Dichloropropane                | ND     | 5.0 |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 2,2-Dichloropropane                | ND     | 10  |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |
|                    |     |                                                       |    |                                                 |

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## Analytical Report

Lab Order 2109B86

Date Reported: 9/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4

Project: Logos Julander Federal 1E

Collection Date: 9/21/2021 10:41:00 AM

Lab ID: 2109B86-002

Matrix: AQUEOUS

Received Date: 9/22/2021 7:10:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: RAA |
| 1,1-Dichloropropene                | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Hexachlorobutadiene                | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 2-Hexanone                         | ND     | 50     |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Isopropylbenzene                   | 6.1    | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 4-Isopropyltoluene                 | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 4-Methyl-2-pentanone               | ND     | 50     |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Methylene Chloride                 | ND     | 15     |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| n-Butylbenzene                     | ND     | 15     |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| n-Propylbenzene                    | 6.5    | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| sec-Butylbenzene                   | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Styrene                            | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| tert-Butylbenzene                  | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,1,1,2-Tetrachloroethane          | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,1,2,2-Tetrachloroethane          | ND     | 10     |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Tetrachloroethene (PCE)            | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| trans-1,2-DCE                      | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| trans-1,3-Dichloropropene          | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,2,3-Trichlorobenzene             | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,2,4-Trichlorobenzene             | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,1,1-Trichloroethane              | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,1,2-Trichloroethane              | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Trichloroethene (TCE)              | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Trichlorofluoromethane             | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| 1,2,3-Trichloropropane             | ND     | 10     |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Vinyl chloride                     | ND     | 5.0    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Xylenes, Total                     | 840    | 7.5    |      | µg/L  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Surr: 1,2-Dichloroethane-d4        | 99.3   | 70-130 |      | %Rec  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Surr: 4-Bromofluorobenzene         | 104    | 70-130 |      | %Rec  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Surr: Dibromofluoromethane         | 94.5   | 70-130 |      | %Rec  | 5  | 9/25/2021 1:59:00 AM | R81546       |
| Surr: Toluene-d8                   | 102    | 70-130 |      | %Rec  | 5  | 9/25/2021 1:59:00 AM | R81546       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |    |                                                 |
|--------------------|-----|-------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                  |
|                    | H   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                          | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix |    |                                                 |

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## Analytical Report

Lab Order 2109B86

Date Reported: 9/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-9

Project: Logos Julander Federal 1E

Collection Date: 9/21/2021 11:16:00 AM

Lab ID: 2109B86-003

Matrix: AQUEOUS

Received Date: 9/22/2021 7:10:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF  | Date Analyzed        | Batch        |
|------------------------------------|--------|-----|------|-------|-----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |     |                      | Analyst: CCM |
| Benzene                            | 8600   | 500 |      | µg/L  | 500 | 9/25/2021 2:45:00 AM | R81546       |
| Toluene                            | 24000  | 500 |      | µg/L  | 500 | 9/25/2021 2:45:00 AM | R81546       |
| Ethylbenzene                       | 1100   | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Methyl tert-butyl ether (MTBE)     | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,2,4-Trimethylbenzene             | 640    | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,3,5-Trimethylbenzene             | 240    | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,2-Dichloroethane (EDC)           | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,2-Dibromoethane (EDB)            | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Naphthalene                        | 110    | 100 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 2-Methylnaphthalene                | ND     | 200 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Acetone                            | ND     | 500 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Bromobenzene                       | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Bromodichloromethane               | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Bromoform                          | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Bromomethane                       | ND     | 150 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 2-Butanone                         | ND     | 500 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Carbon disulfide                   | ND     | 500 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Carbon Tetrachloride               | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Chlorobenzene                      | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Chloroethane                       | ND     | 100 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Chloroform                         | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Chloromethane                      | ND     | 150 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 2-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 4-Chlorotoluene                    | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| cis-1,2-DCE                        | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| cis-1,3-Dichloropropene            | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,2-Dibromo-3-chloropropane        | ND     | 100 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Dibromochloromethane               | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Dibromomethane                     | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,2-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,3-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,4-Dichlorobenzene                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| Dichlorodifluoromethane            | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,1-Dichloroethane                 | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,1-Dichloroethene                 | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,2-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 1,3-Dichloropropane                | ND     | 50  |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |
| 2,2-Dichloropropane                | ND     | 100 |      | µg/L  | 50  | 9/25/2021 3:09:00 AM | R81546       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |
|--------------------|-----|-------------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              |
|                    | D   | Sample Diluted Due to Matrix                          |
|                    | H   | Holding times for preparation or analysis exceeded    |
|                    | ND  | Not Detected at the Reporting Limit                   |
|                    | PQL | Practical Quantitative Limit                          |
|                    | S   | % Recovery outside of range due to dilution or matrix |

|    |                                                 |
|----|-------------------------------------------------|
| B  | Analyte detected in the associated Method Blank |
| E  | Value above quantitation range                  |
| J  | Analyte detected below quantitation limits      |
| P  | Sample pH Not In Range                          |
| RL | Reporting Limit                                 |

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## Analytical Report

Lab Order 2109B86

Date Reported: 9/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-9

Project: Logos Julander Federal 1E

Collection Date: 9/21/2021 11:16:00 AM

Lab ID: 2109B86-003

Matrix: AQUEOUS

Received Date: 9/22/2021 7:10:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: CCM |
| 1,1-Dichloropropene                | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Hexachlorobutadiene                | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 2-Hexanone                         | ND     | 500    |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Isopropylbenzene                   | 83     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 4-Isopropyltoluene                 | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 4-Methyl-2-pentanone               | ND     | 500    |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Methylene Chloride                 | ND     | 150    |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| n-Butylbenzene                     | ND     | 150    |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| n-Propylbenzene                    | 89     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| sec-Butylbenzene                   | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Styrene                            | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| tert-Butylbenzene                  | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 1,1,1,2-Tetrachloroethane          | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 1,1,2,2-Tetrachloroethane          | ND     | 100    |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Tetrachloroethene (PCE)            | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| trans-1,2-DCE                      | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| trans-1,3-Dichloropropene          | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 1,2,3-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 1,2,4-Trichlorobenzene             | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 1,1,1-Trichloroethane              | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 1,1,2-Trichloroethane              | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Trichloroethene (TCE)              | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Trichlorofluoromethane             | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| 1,2,3-Trichloropropane             | ND     | 100    |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Vinyl chloride                     | ND     | 50     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Xylenes, Total                     | 12000  | 75     |      | µg/L  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Surr: 1,2-Dichloroethane-d4        | 102    | 70-130 |      | %Rec  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Surr: 4-Bromofluorobenzene         | 101    | 70-130 |      | %Rec  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Surr: Dibromofluoromethane         | 98.2   | 70-130 |      | %Rec  | 50 | 9/25/2021 3:09:00 AM | R81546       |
| Surr: Toluene-d8                   | 99.6   | 70-130 |      | %Rec  | 50 | 9/25/2021 3:09:00 AM | R81546       |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                       |
|--------------------|-----|-------------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.              |
|                    | D   | Sample Diluted Due to Matrix                          |
|                    | H   | Holding times for preparation or analysis exceeded    |
|                    | ND  | Not Detected at the Reporting Limit                   |
|                    | PQL | Practical Quantitative Limit                          |
|                    | S   | % Recovery outside of range due to dilution or matrix |

|    |                                                 |
|----|-------------------------------------------------|
| B  | Analyte detected in the associated Method Blank |
| E  | Value above quantitation range                  |
| J  | Analyte detected below quantitation limits      |
| P  | Sample pH Not In Range                          |
| RL | Reporting Limit                                 |

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109B86

30-Sep-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>100ng 8260 lcs</b> | SampType: <b>LCS</b>            | TestCode: <b>EPA Method 8260B: VOLATILES</b> |                    |             |      |          |           |      |          |      |
|----------------------------------|---------------------------------|----------------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSW</b>           | Batch ID: <b>R81546</b>         | RunNo: <b>81546</b>                          |                    |             |      |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>9/24/2021</b> | SeqNo: <b>2882011</b>                        | Units: <b>µg/L</b> |             |      |          |           |      |          |      |
| Analyte                          | Result                          | PQL                                          | SPK value          | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 20                              | 1.0                                          | 20.00              | 0           | 97.9 | 70       | 130       |      |          |      |
| Toluene                          | 19                              | 1.0                                          | 20.00              | 0           | 93.0 | 70       | 130       |      |          |      |
| Chlorobenzene                    | 19                              | 1.0                                          | 20.00              | 0           | 94.5 | 70       | 130       |      |          |      |
| 1,1-Dichloroethene               | 18                              | 1.0                                          | 20.00              | 0           | 90.3 | 70       | 130       |      |          |      |
| Trichloroethene (TCE)            | 19                              | 1.0                                          | 20.00              | 0           | 92.6 | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4      | 10                              |                                              | 10.00              |             | 103  | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene       | 10                              |                                              | 10.00              |             | 102  | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane       | 10                              |                                              | 10.00              |             | 103  | 70       | 130       |      |          |      |
| Surr: Toluene-d8                 | 9.8                             |                                              | 10.00              |             | 97.9 | 70       | 130       |      |          |      |

| Sample ID: <b>mb</b>           | SampType: <b>MBLK</b>           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |                    |             |      |          |           |      |          |      |
|--------------------------------|---------------------------------|----------------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>          | Batch ID: <b>R81546</b>         | RunNo: <b>81546</b>                          |                    |             |      |          |           |      |          |      |
| Prep Date:                     | Analysis Date: <b>9/24/2021</b> | SeqNo: <b>2882012</b>                        | Units: <b>µg/L</b> |             |      |          |           |      |          |      |
| Analyte                        | Result                          | PQL                                          | SPK value          | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                        | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Toluene                        | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Ethylbenzene                   | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Naphthalene                    | ND                              | 2.0                                          |                    |             |      |          |           |      |          |      |
| 1-Methylnaphthalene            | ND                              | 4.0                                          |                    |             |      |          |           |      |          |      |
| 2-Methylnaphthalene            | ND                              | 4.0                                          |                    |             |      |          |           |      |          |      |
| Acetone                        | ND                              | 10                                           |                    |             |      |          |           |      |          |      |
| Bromobenzene                   | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Bromodichloromethane           | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Bromoform                      | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Bromomethane                   | ND                              | 3.0                                          |                    |             |      |          |           |      |          |      |
| 2-Butanone                     | ND                              | 10                                           |                    |             |      |          |           |      |          |      |
| Carbon disulfide               | ND                              | 10                                           |                    |             |      |          |           |      |          |      |
| Carbon Tetrachloride           | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Chlorobenzene                  | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Chloroethane                   | ND                              | 2.0                                          |                    |             |      |          |           |      |          |      |
| Chloroform                     | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |
| Chloromethane                  | ND                              | 3.0                                          |                    |             |      |          |           |      |          |      |
| 2-Chlorotoluene                | ND                              | 1.0                                          |                    |             |      |          |           |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109B86

30-Sep-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>           |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|---------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R81546</b>         |     |           | RunNo: <b>81546</b>                          |      |                    |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>9/24/2021</b> |     |           | SeqNo: <b>2882012</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result                          | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| 4-Chlorotoluene             | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,2-DCE                 | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,3-Dichloropropene     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromo-3-chloropropane | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| Dibromochloromethane        | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dibromomethane              | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichlorobenzene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichlorobenzene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,4-Dichlorobenzene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dichlorodifluoromethane     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethane          | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethene          | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloropropane         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichloropropane         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2,2-Dichloropropane         | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloropropene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Hexachlorobutadiene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2-Hexanone                  | ND                              | 10  |           |                                              |      |                    |           |      |          |      |
| Isopropylbenzene            | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Isopropyltoluene          | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Methyl-2-pentanone        | ND                              | 10  |           |                                              |      |                    |           |      |          |      |
| Methylene Chloride          | ND                              | 3.0 |           |                                              |      |                    |           |      |          |      |
| n-Butylbenzene              | ND                              | 3.0 |           |                                              |      |                    |           |      |          |      |
| n-Propylbenzene             | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| sec-Butylbenzene            | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Styrene                     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| tert-Butylbenzene           | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2,2-Tetrachloroethane   | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| Tetrachloroethene (PCE)     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,2-DCE               | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,3-Dichloropropene   | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1-Trichloroethane       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2-Trichloroethane       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichloroethene (TCE)       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichlorofluoromethane      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichloropropane      | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 8 of 9



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109B86

30-Sep-21

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |           |             |                    |          |           |      |          |      |
|-----------------------------|---------------------------------|----------------------------------------------|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R81546</b>         | RunNo: <b>81546</b>                          |           |             |                    |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>9/24/2021</b> | SeqNo: <b>2882012</b>                        |           |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                     | Result                          | PQL                                          | SPK value | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Vinyl chloride              | ND                              | 1.0                                          |           |             |                    |          |           |      |          |      |
| Xylenes, Total              | ND                              | 1.5                                          |           |             |                    |          |           |      |          |      |
| tert-Butyl alcohol          | ND                              | 25                                           |           |             |                    |          |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10                              |                                              | 10.00     |             | 103                | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                              |                                              | 10.00     |             | 101                | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 10                              |                                              | 10.00     |             | 104                | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 9.8                             |                                              | 10.00     |             | 98.0               | 70       | 130       |      |          |      |

| Sample ID: <b>100ng 8260 lcs</b> | SampType: <b>LCS</b>            | TestCode: <b>EPA Method 8260B: VOLATILES</b> |           |             |                    |          |           |      |          |      |
|----------------------------------|---------------------------------|----------------------------------------------|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSW</b>           | Batch ID: <b>R81590</b>         | RunNo: <b>81590</b>                          |           |             |                    |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>9/25/2021</b> | SeqNo: <b>2883304</b>                        |           |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                          | Result                          | PQL                                          | SPK value | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 20                              | 1.0                                          | 20.00     | 0           | 101                | 70       | 130       |      |          |      |
| Toluene                          | 19                              | 1.0                                          | 20.00     | 0           | 97.5               | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4      | 10                              |                                              | 10.00     |             | 104                | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene       | 10                              |                                              | 10.00     |             | 101                | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane       | 10                              |                                              | 10.00     |             | 102                | 70       | 130       |      |          |      |
| Surr: Toluene-d8                 | 9.8                             |                                              | 10.00     |             | 97.8               | 70       | 130       |      |          |      |

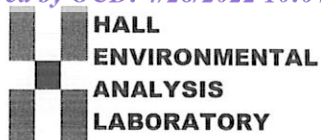
| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |           |             |                    |          |           |      |          |      |
|-----------------------------|---------------------------------|----------------------------------------------|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R81590</b>         | RunNo: <b>81590</b>                          |           |             |                    |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>9/25/2021</b> | SeqNo: <b>2883305</b>                        |           |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                     | Result                          | PQL                                          | SPK value | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                     | ND                              | 1.0                                          |           |             |                    |          |           |      |          |      |
| Toluene                     | ND                              | 1.0                                          |           |             |                    |          |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10                              |                                              | 10.00     |             | 104                | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                              |                                              | 10.00     |             | 99.6               | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 10                              |                                              | 10.00     |             | 102                | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 9.5                             |                                              | 10.00     |             | 95.4               | 70       | 130       |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: Animas Environmental Services

Work Order Number: 2109B86

RcptNo: 1

Received By: Cheyenne Cason 9/22/2021 7:10:00 AM

Completed By: Isaiah Ortiz 9/22/2021 9:56:00 AM

Reviewed By: *WPH 9/22/21*

*Chad*

*I-0x*

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *JN 9/22/21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 2.3     | Good      | Not Present |         |           |           |





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

January 03, 2022

David Reese  
Animas Environmental Services  
624 E. Comanche  
Farmington, NM 87401  
TEL:  
FAX:

RE: Logos Julander Federal 1E

OrderNo.: 2112795

Dear David Reese:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/11/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



## Analytical Report

Lab Order 2112795

Date Reported: 1/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3

Project: Logos Julander Federal 1E

Collection Date: 12/9/2021 3:14:00 PM

Lab ID: 2112795-001

Matrix: AQUEOUS

Received Date: 12/11/2021 9:32:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF  | Date Analyzed          | Batch       |
|------------------------------------|--------|-----|------|-------|-----|------------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |     |                        | Analyst: JR |
| Benzene                            | 12000  | 200 |      | µg/L  | 200 | 12/16/2021 12:44:52 PM | R84618      |
| Toluene                            | 11000  | 200 |      | µg/L  | 200 | 12/16/2021 12:44:52 PM | R84618      |
| Ethylbenzene                       | 740    | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Methyl tert-butyl ether (MTBE)     | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,2,4-Trimethylbenzene             | 510    | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,3,5-Trimethylbenzene             | 220    | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,2-Dichloroethane (EDC)           | ND     | 20  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,2-Dibromoethane (EDB)            | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Naphthalene                        | ND     | 100 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1-Methylnaphthalene                | ND     | 200 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 2-Methylnaphthalene                | ND     | 200 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Acetone                            | ND     | 500 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Bromobenzene                       | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Bromodichloromethane               | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Bromoform                          | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Bromomethane                       | ND     | 150 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 2-Butanone                         | ND     | 500 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Carbon disulfide                   | ND     | 500 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Carbon Tetrachloride               | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Chlorobenzene                      | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Chloroethane                       | ND     | 100 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Chloroform                         | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Chloromethane                      | ND     | 150 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 2-Chlorotoluene                    | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 4-Chlorotoluene                    | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| cis-1,2-DCE                        | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| cis-1,3-Dichloropropene            | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,2-Dibromo-3-chloropropane        | ND     | 100 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Dibromochloromethane               | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Dibromomethane                     | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,2-Dichlorobenzene                | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,3-Dichlorobenzene                | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,4-Dichlorobenzene                | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| Dichlorodifluoromethane            | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,1-Dichloroethane                 | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,1-Dichloroethene                 | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,2-Dichloropropane                | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 1,3-Dichloropropane                | ND     | 50  | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |
| 2,2-Dichloropropane                | ND     | 100 | D    | µg/L  | 50  | 12/23/2021 3:31:40 PM  | R84783      |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                                    |    |                                                 |
|--------------------|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
|                    | H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

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## Analytical Report

Lab Order 2112795

Date Reported: 1/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3

Project: Logos Julander Federal 1E

Collection Date: 12/9/2021 3:14:00 PM

Lab ID: 2112795-001

Matrix: AQUEOUS

Received Date: 12/11/2021 9:32:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed         | Batch       |
|------------------------------------|--------|--------|------|-------|----|-----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                       | Analyst: JR |
| 1,1-Dichloropropene                | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Hexachlorobutadiene                | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 2-Hexanone                         | ND     | 500    | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Isopropylbenzene                   | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 4-Isopropyltoluene                 | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 4-Methyl-2-pentanone               | ND     | 500    | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Methylene Chloride                 | ND     | 150    | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| n-Butylbenzene                     | ND     | 150    | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| n-Propylbenzene                    | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| sec-Butylbenzene                   | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Styrene                            | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| tert-Butylbenzene                  | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 1,1,1,2-Tetrachloroethane          | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 1,1,2,2-Tetrachloroethane          | ND     | 100    | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Tetrachloroethene (PCE)            | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| trans-1,2-DCE                      | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| trans-1,3-Dichloropropene          | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 1,2,3-Trichlorobenzene             | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 1,2,4-Trichlorobenzene             | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 1,1,1-Trichloroethane              | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 1,1,2-Trichloroethane              | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Trichloroethene (TCE)              | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Trichlorofluoromethane             | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| 1,2,3-Trichloropropane             | ND     | 100    | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Vinyl chloride                     | ND     | 50     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Xylenes, Total                     | 9300   | 75     | D    | µg/L  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Surr: 1,2-Dichloroethane-d4        | 90.2   | 70-130 | D    | %Rec  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Surr: 4-Bromofluorobenzene         | 95.1   | 70-130 | D    | %Rec  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Surr: Dibromofluoromethane         | 85.7   | 70-130 | D    | %Rec  | 50 | 12/23/2021 3:31:40 PM | R84783      |
| Surr: Toluene-d8                   | 105    | 70-130 | D    | %Rec  | 50 | 12/23/2021 3:31:40 PM | R84783      |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                                    |    |                                                 |
|--------------------|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
|                    | H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

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## Analytical Report

Lab Order 2112795

Date Reported: 1/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4

Project: Logos Julander Federal 1E

Collection Date: 12/9/2021 12:48:00 PM

Lab ID: 2112795-002

Matrix: AQUEOUS

Received Date: 12/11/2021 9:32:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed         | Batch       |
|------------------------------------|--------|-----|------|-------|----|-----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                       | Analyst: JR |
| Benzene                            | 25     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Toluene                            | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Ethylbenzene                       | 21     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Methyl tert-butyl ether (MTBE)     | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,2,4-Trimethylbenzene             | 31     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,3,5-Trimethylbenzene             | 15     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,2-Dichloroethane (EDC)           | ND     | 4.0 | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,2-Dibromoethane (EDB)            | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Naphthalene                        | ND     | 20  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1-Methylnaphthalene                | ND     | 40  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 2-Methylnaphthalene                | ND     | 40  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Acetone                            | ND     | 100 | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Bromobenzene                       | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Bromodichloromethane               | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Bromoform                          | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Bromomethane                       | ND     | 30  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 2-Butanone                         | ND     | 100 | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Carbon disulfide                   | ND     | 100 | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Carbon Tetrachloride               | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Chlorobenzene                      | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Chloroethane                       | ND     | 20  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Chloroform                         | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Chloromethane                      | ND     | 30  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 2-Chlorotoluene                    | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 4-Chlorotoluene                    | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| cis-1,2-DCE                        | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| cis-1,3-Dichloropropene            | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,2-Dibromo-3-chloropropane        | ND     | 20  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Dibromochloromethane               | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Dibromomethane                     | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,2-Dichlorobenzene                | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,3-Dichlorobenzene                | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,4-Dichlorobenzene                | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Dichlorodifluoromethane            | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,1-Dichloroethane                 | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,1-Dichloroethene                 | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,2-Dichloropropane                | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,3-Dichloropropane                | ND     | 10  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 2,2-Dichloropropane                | ND     | 20  | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|             |     |                                                                    |    |                                                 |
|-------------|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
|             | H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |
|             |     |                                                                    |    |                                                 |

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## Analytical Report

Lab Order 2112795

Date Reported: 1/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4

Project: Logos Julander Federal 1E

Collection Date: 12/9/2021 12:48:00 PM

Lab ID: 2112795-002

Matrix: AQUEOUS

Received Date: 12/11/2021 9:32:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed         | Batch       |
|------------------------------------|--------|--------|------|-------|----|-----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                       | Analyst: JR |
| 1,1-Dichloropropene                | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Hexachlorobutadiene                | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 2-Hexanone                         | ND     | 100    | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Isopropylbenzene                   | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 4-Isopropyltoluene                 | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 4-Methyl-2-pentanone               | ND     | 100    | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Methylene Chloride                 | ND     | 30     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| n-Butylbenzene                     | ND     | 30     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| n-Propylbenzene                    | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| sec-Butylbenzene                   | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Styrene                            | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| tert-Butylbenzene                  | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,1,1,2-Tetrachloroethane          | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,1,2,2-Tetrachloroethane          | ND     | 20     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Tetrachloroethene (PCE)            | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| trans-1,2-DCE                      | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| trans-1,3-Dichloropropene          | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,2,3-Trichlorobenzene             | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,2,4-Trichlorobenzene             | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,1,1-Trichloroethane              | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,1,2-Trichloroethane              | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Trichloroethene (TCE)              | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Trichlorofluoromethane             | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| 1,2,3-Trichloropropane             | ND     | 20     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Vinyl chloride                     | ND     | 10     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Xylenes, Total                     | 140    | 15     | D    | µg/L  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Surr: 1,2-Dichloroethane-d4        | 94.2   | 70-130 | D    | %Rec  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Surr: 4-Bromofluorobenzene         | 100    | 70-130 | D    | %Rec  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Surr: Dibromofluoromethane         | 89.1   | 70-130 | D    | %Rec  | 10 | 12/16/2021 2:10:57 PM | R84618      |
| Surr: Toluene-d8                   | 98.4   | 70-130 | D    | %Rec  | 10 | 12/16/2021 2:10:57 PM | R84618      |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                                    |    |                                                 |
|--------------------|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
|                    | H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

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## Analytical Report

Lab Order 2112795

Date Reported: 1/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-9

Project: Logos Julander Federal 1E

Collection Date: 12/9/2021 2:18:00 PM

Lab ID: 2112795-003

Matrix: AQUEOUS

Received Date: 12/11/2021 9:32:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF  | Date Analyzed         | Batch       |
|------------------------------------|--------|-----|------|-------|-----|-----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |     |                       | Analyst: JR |
| Benzene                            | 6300   | 500 | D    | µg/L  | 500 | 12/16/2021 2:39:41 PM | R84618      |
| Toluene                            | 14000  | 500 | D    | µg/L  | 500 | 12/16/2021 2:39:41 PM | R84618      |
| Ethylbenzene                       | 950    | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Methyl tert-butyl ether (MTBE)     | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,2,4-Trimethylbenzene             | 490    | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,3,5-Trimethylbenzene             | 200    | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,2-Dichloroethane (EDC)           | ND     | 20  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,2-Dibromoethane (EDB)            | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Naphthalene                        | ND     | 100 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1-Methylnaphthalene                | ND     | 200 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 2-Methylnaphthalene                | ND     | 200 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Acetone                            | ND     | 500 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Bromobenzene                       | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Bromodichloromethane               | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Bromoform                          | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Bromomethane                       | ND     | 150 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 2-Butanone                         | ND     | 500 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Carbon disulfide                   | ND     | 500 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Carbon Tetrachloride               | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Chlorobenzene                      | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Chloroethane                       | ND     | 100 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Chloroform                         | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Chloromethane                      | ND     | 150 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 2-Chlorotoluene                    | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 4-Chlorotoluene                    | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| cis-1,2-DCE                        | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| cis-1,3-Dichloropropene            | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,2-Dibromo-3-chloropropane        | ND     | 100 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Dibromochloromethane               | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Dibromomethane                     | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,2-Dichlorobenzene                | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,3-Dichlorobenzene                | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,4-Dichlorobenzene                | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| Dichlorodifluoromethane            | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,1-Dichloroethane                 | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,1-Dichloroethene                 | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,2-Dichloropropane                | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 1,3-Dichloropropane                | ND     | 50  | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |
| 2,2-Dichloropropane                | ND     | 100 | D    | µg/L  | 50  | 12/16/2021 3:08:25 PM | R84618      |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                                    |    |                                                 |
|--------------------|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
|                    | H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

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## Analytical Report

Lab Order 2112795

Date Reported: 1/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-9

Project: Logos Julander Federal 1E

Collection Date: 12/9/2021 2:18:00 PM

Lab ID: 2112795-003

Matrix: AQUEOUS

Received Date: 12/11/2021 9:32:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed         | Batch       |
|------------------------------------|--------|--------|------|-------|----|-----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                       | Analyst: JR |
| 1,1-Dichloropropene                | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Hexachlorobutadiene                | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 2-Hexanone                         | ND     | 500    | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Isopropylbenzene                   | 69     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 4-Isopropyltoluene                 | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 4-Methyl-2-pentanone               | ND     | 500    | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Methylene Chloride                 | ND     | 150    | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| n-Butylbenzene                     | ND     | 150    | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| n-Propylbenzene                    | 74     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| sec-Butylbenzene                   | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Styrene                            | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| tert-Butylbenzene                  | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 1,1,1,2-Tetrachloroethane          | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 1,1,2,2-Tetrachloroethane          | ND     | 100    | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Tetrachloroethene (PCE)            | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| trans-1,2-DCE                      | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| trans-1,3-Dichloropropene          | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 1,2,3-Trichlorobenzene             | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 1,2,4-Trichlorobenzene             | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 1,1,1-Trichloroethane              | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 1,1,2-Trichloroethane              | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Trichloroethene (TCE)              | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Trichlorofluoromethane             | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| 1,2,3-Trichloropropane             | ND     | 100    | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Vinyl chloride                     | ND     | 50     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Xylenes, Total                     | 9100   | 75     | D    | µg/L  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Surr: 1,2-Dichloroethane-d4        | 92.9   | 70-130 | D    | %Rec  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Surr: 4-Bromofluorobenzene         | 94.7   | 70-130 | D    | %Rec  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Surr: Dibromofluoromethane         | 89.1   | 70-130 | D    | %Rec  | 50 | 12/16/2021 3:08:25 PM | R84618      |
| Surr: Toluene-d8                   | 98.6   | 70-130 | D    | %Rec  | 50 | 12/16/2021 3:08:25 PM | R84618      |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                                    |    |                                                 |
|--------------------|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
|                    | H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

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## Analytical Report

Lab Order 2112795

Date Reported: 1/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: Logos Julander Federal 1E

Collection Date:

Lab ID: 2112795-004

Matrix: TRIP BLANK

Received Date: 12/11/2021 9:32:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed         | Batch       |
|------------------------------------|--------|-----|------|-------|----|-----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                       | Analyst: JR |
| Benzene                            | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Toluene                            | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Ethylbenzene                       | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Methyl tert-butyl ether (MTBE)     | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,2,4-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,3,5-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,2-Dichloroethane (EDC)           | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,2-Dibromoethane (EDB)            | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Naphthalene                        | ND     | 2.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 2-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Acetone                            | ND     | 10  |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Bromobenzene                       | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Bromodichloromethane               | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Bromoform                          | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Bromomethane                       | ND     | 3.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 2-Butanone                         | ND     | 10  |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Carbon disulfide                   | ND     | 10  |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Carbon Tetrachloride               | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Chlorobenzene                      | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Chloroethane                       | ND     | 2.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Chloroform                         | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Chloromethane                      | ND     | 3.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 2-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 4-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| cis-1,2-DCE                        | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| cis-1,3-Dichloropropene            | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,2-Dibromo-3-chloropropane        | ND     | 2.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Dibromochloromethane               | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Dibromomethane                     | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,2-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,3-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,4-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Dichlorodifluoromethane            | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,1-Dichloroethane                 | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,1-Dichloroethene                 | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,2-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,3-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 2,2-Dichloropropane                | ND     | 2.0 |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                                    |    |                                                 |
|--------------------|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
|                    | H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

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## Analytical Report

Lab Order 2112795

Date Reported: 1/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: Logos Julander Federal 1E

Collection Date:

Lab ID: 2112795-004

Matrix: TRIP BLANK

Received Date: 12/11/2021 9:32:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed         | Batch       |
|------------------------------------|--------|--------|------|-------|----|-----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                       | Analyst: JR |
| 1,1-Dichloropropene                | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Hexachlorobutadiene                | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 2-Hexanone                         | ND     | 10     |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Isopropylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 4-Isopropyltoluene                 | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 4-Methyl-2-pentanone               | ND     | 10     |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Methylene Chloride                 | ND     | 3.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| n-Butylbenzene                     | ND     | 3.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| n-Propylbenzene                    | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| sec-Butylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Styrene                            | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| tert-Butylbenzene                  | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,1,1,2-Tetrachloroethane          | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,1,2,2-Tetrachloroethane          | ND     | 2.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Tetrachloroethene (PCE)            | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| trans-1,2-DCE                      | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| trans-1,3-Dichloropropene          | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,2,3-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,2,4-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,1,1-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,1,2-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Trichloroethene (TCE)              | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Trichlorofluoromethane             | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| 1,2,3-Trichloropropane             | ND     | 2.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Vinyl chloride                     | ND     | 1.0    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Xylenes, Total                     | ND     | 1.5    |      | µg/L  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Surr: 1,2-Dichloroethane-d4        | 109    | 70-130 |      | %Rec  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Surr: 4-Bromofluorobenzene         | 100    | 70-130 |      | %Rec  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Surr: Dibromofluoromethane         | 102    | 70-130 |      | %Rec  | 1  | 12/16/2021 3:37:10 PM | R84618      |
| Surr: Toluene-d8                   | 97.4   | 70-130 |      | %Rec  | 1  | 12/16/2021 3:37:10 PM | R84618      |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|                    |     |                                                                    |    |                                                 |
|--------------------|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
|                    | H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |
|                    |     |                                                                    |    |                                                 |

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2112795

03-Jan-22

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>100ng lcs</b> | SampType: <b>LCS</b>             |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|----------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>LCSW</b>      | Batch ID: <b>R84618</b>          |     |           | RunNo: <b>84618</b>                          |      |                    |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>12/16/2021</b> |     |           | SeqNo: <b>2974583</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result                           | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                     | 22                               | 1.0 | 20.00     | 0                                            | 111  | 70                 | 130       |      |          |      |
| Toluene                     | 21                               | 1.0 | 20.00     | 0                                            | 105  | 70                 | 130       |      |          |      |
| Chlorobenzene               | 21                               | 1.0 | 20.00     | 0                                            | 105  | 70                 | 130       |      |          |      |
| 1,1-Dichloroethene          | 21                               | 1.0 | 20.00     | 0                                            | 107  | 70                 | 130       |      |          |      |
| Trichloroethene (TCE)       | 20                               | 1.0 | 20.00     | 0                                            | 100  | 70                 | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10                               |     | 10.00     |                                              | 101  | 70                 | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                               |     | 10.00     |                                              | 102  | 70                 | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 9.8                              |     | 10.00     |                                              | 98.4 | 70                 | 130       |      |          |      |
| Surr: Toluene-d8            | 9.9                              |     | 10.00     |                                              | 98.7 | 70                 | 130       |      |          |      |

| Sample ID: <b>2112795-001ams</b> | SampType: <b>MS</b>              |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|----------------------------------|----------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>MW-3</b>           | Batch ID: <b>R84618</b>          |     |           | RunNo: <b>84618</b>                          |      |                    |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/16/2021</b> |     |           | SeqNo: <b>2974589</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                          | Result                           | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 15000                            | 200 | 4000      | 11520                                        | 97.5 | 70                 | 130       |      |          |      |
| Toluene                          | 15000                            | 200 | 4000      | 11110                                        | 90.1 | 70                 | 130       |      |          |      |

| Sample ID: <b>2112795-001amsd</b> | SampType: <b>MSD</b>             |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |       |          |      |
|-----------------------------------|----------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|-------|----------|------|
| Client ID: <b>MW-3</b>            | Batch ID: <b>R84618</b>          |     |           | RunNo: <b>84618</b>                          |      |                    |           |       |          |      |
| Prep Date:                        | Analysis Date: <b>12/16/2021</b> |     |           | SeqNo: <b>2974590</b>                        |      | Units: <b>µg/L</b> |           |       |          |      |
| Analyte                           | Result                           | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD  | RPDLimit | Qual |
| Benzene                           | 15000                            | 200 | 4000      | 11520                                        | 87.1 | 70                 | 130       | 2.72  | 20       |      |
| Toluene                           | 15000                            | 200 | 4000      | 11110                                        | 86.5 | 70                 | 130       | 0.983 | 20       |      |

| Sample ID: <b>mb</b>           | SampType: <b>MBLK</b>            |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|--------------------------------|----------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>          | Batch ID: <b>R84618</b>          |     |           | RunNo: <b>84618</b>                          |      |                    |           |      |          |      |
| Prep Date:                     | Analysis Date: <b>12/16/2021</b> |     |           | SeqNo: <b>2974608</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                        | Result                           | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Toluene                        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Ethylbenzene                   | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Naphthalene                    | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |

**Qualifiers:**

|     |                                                                    |    |                                                 |
|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
| D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
| H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
| ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
| PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
| S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2112795

03-Jan-22

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        |        | SampType: <b>MBLK</b>            |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|--------|----------------------------------|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       |        | Batch ID: <b>R84618</b>          |           | RunNo: <b>84618</b>                          |      |                    |           |      |          |      |
| Prep Date:                  |        | Analysis Date: <b>12/16/2021</b> |           | SeqNo: <b>2974608</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result | PQL                              | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| 1-Methylnaphthalene         | ND     | 4.0                              |           |                                              |      |                    |           |      |          |      |
| 2-Methylnaphthalene         | ND     | 4.0                              |           |                                              |      |                    |           |      |          |      |
| Acetone                     | ND     | 10                               |           |                                              |      |                    |           |      |          |      |
| Bromobenzene                | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| Bromodichloromethane        | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| Bromoform                   | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| Bromomethane                | ND     | 3.0                              |           |                                              |      |                    |           |      |          |      |
| 2-Butanone                  | ND     | 10                               |           |                                              |      |                    |           |      |          |      |
| Carbon disulfide            | ND     | 10                               |           |                                              |      |                    |           |      |          |      |
| Carbon Tetrachloride        | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| Chlorobenzene               | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| Chloroethane                | ND     | 2.0                              |           |                                              |      |                    |           |      |          |      |
| Chloroform                  | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| Chloromethane               | ND     | 3.0                              |           |                                              |      |                    |           |      |          |      |
| 2-Chlorotoluene             | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 4-Chlorotoluene             | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| cis-1,2-DCE                 | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| cis-1,3-Dichloropropene     | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromo-3-chloropropane | ND     | 2.0                              |           |                                              |      |                    |           |      |          |      |
| Dibromochloromethane        | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| Dibromomethane              | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichlorobenzene         | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichlorobenzene         | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 1,4-Dichlorobenzene         | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| Dichlorodifluoromethane     | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethane          | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethene          | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloropropane         | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichloropropane         | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 2,2-Dichloropropane         | ND     | 2.0                              |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloropropene         | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| Hexachlorobutadiene         | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 2-Hexanone                  | ND     | 10                               |           |                                              |      |                    |           |      |          |      |
| Isopropylbenzene            | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 4-Isopropyltoluene          | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |
| 4-Methyl-2-pentanone        | ND     | 10                               |           |                                              |      |                    |           |      |          |      |
| Methylene Chloride          | ND     | 3.0                              |           |                                              |      |                    |           |      |          |      |
| n-Butylbenzene              | ND     | 3.0                              |           |                                              |      |                    |           |      |          |      |
| n-Propylbenzene             | ND     | 1.0                              |           |                                              |      |                    |           |      |          |      |

**Qualifiers:**

|     |                                                                    |    |                                                 |
|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
| D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
| H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
| ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
| PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
| S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2112795

03-Jan-22

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |      |          |      |
|-----------------------------|----------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R84618</b>          |     | RunNo: <b>84618</b>                          |             |                    |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>12/16/2021</b> |     | SeqNo: <b>2974608</b>                        |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                     | Result                           | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| sec-Butylbenzene            | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| Styrene                     | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| tert-Butylbenzene           | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| 1,1,2,2-Tetrachloroethane   | ND                               | 2.0 |                                              |             |                    |          |           |      |          |      |
| Tetrachloroethene (PCE)     | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| trans-1,2-DCE               | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| trans-1,3-Dichloropropene   | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| 1,1,1-Trichloroethane       | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| 1,1,2-Trichloroethane       | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| Trichloroethene (TCE)       | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| Trichlorofluoromethane      | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| 1,2,3-Trichloropropane      | ND                               | 2.0 |                                              |             |                    |          |           |      |          |      |
| Vinyl chloride              | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |
| Xylenes, Total              | ND                               | 1.5 |                                              |             |                    |          |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10                               |     | 10.00                                        |             | 101                | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                               |     | 10.00                                        |             | 100                | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 10                               |     | 10.00                                        |             | 101                | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 9.9                              |     | 10.00                                        |             | 99.4               | 70       | 130       |      |          |      |

| Sample ID: <b>100ng lcs</b> | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |      |          |      |
|-----------------------------|----------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSW</b>      | Batch ID: <b>R84783</b>          |     | RunNo: <b>84783</b>                          |             |                    |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>12/23/2021</b> |     | SeqNo: <b>2981836</b>                        |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                     | Result                           | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chlorobenzene               | 21                               | 1.0 | 20.00                                        | 0           | 107                | 70       | 130       |      |          |      |
| 1,1-Dichloroethene          | 19                               | 1.0 | 20.00                                        | 0           | 92.6               | 70       | 130       |      |          |      |
| Trichloroethene (TCE)       | 19                               | 1.0 | 20.00                                        | 0           | 92.9               | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 9.8                              |     | 10.00                                        |             | 98.1               | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 9.9                              |     | 10.00                                        |             | 99.1               | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 9.6                              |     | 10.00                                        |             | 96.4               | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 10                               |     | 10.00                                        |             | 102                | 70       | 130       |      |          |      |

| Sample ID: <b>100ng lcs</b> | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |      |          |      |
|-----------------------------|----------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSW</b>      | Batch ID: <b>R84783</b>          |     | RunNo: <b>84783</b>                          |             |                    |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>12/24/2021</b> |     | SeqNo: <b>2981837</b>                        |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                     | Result                           | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

**Qualifiers:**

|     |                                                                    |    |                                                 |
|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
| D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
| H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
| ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
| PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
| S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2112795

03-Jan-22

**Client:** Animas Environmental Services**Project:** Logos Julander Federal IE

| Sample ID: <b>100ng lcs</b> | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |      |          |      |
|-----------------------------|----------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSW</b>      | Batch ID: <b>R84783</b>          |     | RunNo: <b>84783</b>                          |             |                    |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>12/24/2021</b> |     | SeqNo: <b>2981837</b>                        |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                     | Result                           | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chlorobenzene               | 21                               | 1.0 | 20.00                                        | 0           | 104                | 70       | 130       |      |          |      |
| 1,1-Dichloroethene          | 19                               | 1.0 | 20.00                                        | 0           | 93.5               | 70       | 130       |      |          |      |
| Trichloroethene (TCE)       | 19                               | 1.0 | 20.00                                        | 0           | 93.7               | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 9.7                              |     | 10.00                                        |             | 97.0               | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 9.9                              |     | 10.00                                        |             | 98.9               | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 9.8                              |     | 10.00                                        |             | 98.4               | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 10                               |     | 10.00                                        |             | 102                | 70       | 130       |      |          |      |

| Sample ID: <b>2112795-001ams</b> | SampType: <b>MS</b>              |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |      |          |      |
|----------------------------------|----------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>MW-3</b>           | Batch ID: <b>R84783</b>          |     | RunNo: <b>84783</b>                          |             |                    |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/23/2021</b> |     | SeqNo: <b>2981840</b>                        |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                          | Result                           | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chlorobenzene                    | 980                              | 50  | 1000                                         | 0           | 97.6               | 70       | 130       |      |          |      |
| 1,1-Dichloroethene               | 760                              | 50  | 1000                                         | 0           | 76.2               | 70       | 130       |      |          |      |
| Trichloroethene (TCE)            | 760                              | 50  | 1000                                         | 0           | 75.8               | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4      | 420                              |     | 500.0                                        |             | 84.8               | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene       | 480                              |     | 500.0                                        |             | 95.3               | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane       | 430                              |     | 500.0                                        |             | 86.5               | 70       | 130       |      |          |      |
| Surr: Toluene-d8                 | 510                              |     | 500.0                                        |             | 102                | 70       | 130       |      |          |      |

| Sample ID: <b>2112795-001amsd</b> | SampType: <b>MSD</b>             |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |       |          |      |
|-----------------------------------|----------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|-------|----------|------|
| Client ID: <b>MW-3</b>            | Batch ID: <b>R84783</b>          |     | RunNo: <b>84783</b>                          |             |                    |          |           |       |          |      |
| Prep Date:                        | Analysis Date: <b>12/23/2021</b> |     | SeqNo: <b>2981841</b>                        |             | Units: <b>µg/L</b> |          |           |       |          |      |
| Analyte                           | Result                           | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD  | RPDLimit | Qual |
| Chlorobenzene                     | 930                              | 50  | 1000                                         | 0           | 93.1               | 70       | 130       | 4.78  | 20       |      |
| 1,1-Dichloroethene                | 770                              | 50  | 1000                                         | 0           | 76.7               | 70       | 130       | 0.573 | 20       |      |
| Trichloroethene (TCE)             | 770                              | 50  | 1000                                         | 0           | 77.2               | 70       | 130       | 1.75  | 20       |      |
| Surr: 1,2-Dichloroethane-d4       | 450                              |     | 500.0                                        |             | 89.3               | 70       | 130       | 0     | 0        |      |
| Surr: 4-Bromofluorobenzene        | 480                              |     | 500.0                                        |             | 95.9               | 70       | 130       | 0     | 0        |      |
| Surr: Dibromofluoromethane        | 440                              |     | 500.0                                        |             | 88.8               | 70       | 130       | 0     | 0        |      |
| Surr: Toluene-d8                  | 520                              |     | 500.0                                        |             | 104                | 70       | 130       | 0     | 0        |      |

| Sample ID: <b>mb</b>  | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |      |          |      |
|-----------------------|----------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b> | Batch ID: <b>R84783</b>          |     | RunNo: <b>84783</b>                          |             |                    |          |           |      |          |      |
| Prep Date:            | Analysis Date: <b>12/23/2021</b> |     | SeqNo: <b>2981886</b>                        |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte               | Result                           | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Ethylbenzene          | ND                               | 1.0 |                                              |             |                    |          |           |      |          |      |

**Qualifiers:**

|     |                                                                    |    |                                                 |
|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
| D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
| H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
| ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
| PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
| S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

## QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112795

03-Jan-22

Client: Animas Environmental Services

Project: Logos Julander Federal 1E

| Sample ID: <b>mb</b>           | SampType: <b>MBLK</b>            |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|--------------------------------|----------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>          | Batch ID: <b>R84783</b>          |     |           | RunNo: <b>84783</b>                          |      |                    |           |      |          |      |
| Prep Date:                     | Analysis Date: <b>12/23/2021</b> |     |           | SeqNo: <b>2981886</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                        | Result                           | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Naphthalene                    | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| 1-Methylnaphthalene            | ND                               | 4.0 |           |                                              |      |                    |           |      |          |      |
| 2-Methylnaphthalene            | ND                               | 4.0 |           |                                              |      |                    |           |      |          |      |
| Acetone                        | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Bromobenzene                   | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Bromodichloromethane           | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Bromoform                      | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Bromomethane                   | ND                               | 3.0 |           |                                              |      |                    |           |      |          |      |
| 2-Butanone                     | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Carbon disulfide               | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Carbon Tetrachloride           | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Chlorobenzene                  | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Chloroethane                   | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| Chloroform                     | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Chloromethane                  | ND                               | 3.0 |           |                                              |      |                    |           |      |          |      |
| 2-Chlorotoluene                | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Chlorotoluene                | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,2-DCE                    | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,3-Dichloropropene        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromo-3-chloropropane    | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| Dibromochloromethane           | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dibromomethane                 | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichlorobenzene            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichlorobenzene            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,4-Dichlorobenzene            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dichlorodifluoromethane        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethane             | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethene             | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloropropane            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichloropropane            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2,2-Dichloropropane            | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloropropene            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Hexachlorobutadiene            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2-Hexanone                     | ND                               | 10  |           |                                              |      |                    |           |      |          |      |

## Qualifiers:

|     |                                                                    |    |                                                 |
|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
| D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
| H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
| ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
| PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
| S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2112795

03-Jan-22

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8260B: VOLATILES</b> |                    |             |      |          |           |      |          |      |
|-----------------------------|----------------------------------|----------------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R84783</b>          | RunNo: <b>84783</b>                          |                    |             |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>12/23/2021</b> | SeqNo: <b>2981886</b>                        | Units: <b>µg/L</b> |             |      |          |           |      |          |      |
| Analyte                     | Result                           | PQL                                          | SPK value          | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Isopropylbenzene            | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 4-Isopropyltoluene          | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 4-Methyl-2-pentanone        | ND                               | 10                                           |                    |             |      |          |           |      |          |      |
| Methylene Chloride          | ND                               | 3.0                                          |                    |             |      |          |           |      |          |      |
| n-Butylbenzene              | ND                               | 3.0                                          |                    |             |      |          |           |      |          |      |
| n-Propylbenzene             | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| sec-Butylbenzene            | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| Styrene                     | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| tert-Butylbenzene           | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,1,2,2-Tetrachloroethane   | ND                               | 2.0                                          |                    |             |      |          |           |      |          |      |
| Tetrachloroethene (PCE)     | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| trans-1,2-DCE               | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| trans-1,3-Dichloropropene   | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,1,1-Trichloroethane       | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,1,2-Trichloroethane       | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| Trichloroethene (TCE)       | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| Trichlorofluoromethane      | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2,3-Trichloropropane      | ND                               | 2.0                                          |                    |             |      |          |           |      |          |      |
| Vinyl chloride              | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| Xylenes, Total              | ND                               | 1.5                                          |                    |             |      |          |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10                               |                                              | 10.00              |             | 99.7 | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 9.9                              |                                              | 10.00              |             | 99.1 | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 9.8                              |                                              | 10.00              |             | 98.2 | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 10                               |                                              | 10.00              |             | 101  | 70       | 130       |      |          |      |

| Sample ID: <b>mb</b>           | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8260B: VOLATILES</b> |                    |             |      |          |           |      |          |      |
|--------------------------------|----------------------------------|----------------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBW</b>          | Batch ID: <b>R84783</b>          | RunNo: <b>84783</b>                          |                    |             |      |          |           |      |          |      |
| Prep Date:                     | Analysis Date: <b>12/24/2021</b> | SeqNo: <b>2981887</b>                        | Units: <b>µg/L</b> |             |      |          |           |      |          |      |
| Analyte                        | Result                           | PQL                                          | SPK value          | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Ethylbenzene                   | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                               | 1.0                                          |                    |             |      |          |           |      |          |      |

**Qualifiers:**

|     |                                                                    |    |                                                 |
|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
| D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
| H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
| ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
| PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
| S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2112795

03-Jan-22

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>            |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|----------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R84783</b>          |     |           | RunNo: <b>84783</b>                          |      |                    |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>12/24/2021</b> |     |           | SeqNo: <b>2981887</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result                           | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| Naphthalene                 | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| 1-Methylnaphthalene         | ND                               | 4.0 |           |                                              |      |                    |           |      |          |      |
| 2-Methylnaphthalene         | ND                               | 4.0 |           |                                              |      |                    |           |      |          |      |
| Acetone                     | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Bromobenzene                | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Bromodichloromethane        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Bromoform                   | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Bromomethane                | ND                               | 3.0 |           |                                              |      |                    |           |      |          |      |
| 2-Butanone                  | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Carbon disulfide            | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Carbon Tetrachloride        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Chlorobenzene               | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Chloroethane                | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| Chloroform                  | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Chloromethane               | ND                               | 3.0 |           |                                              |      |                    |           |      |          |      |
| 2-Chlorotoluene             | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Chlorotoluene             | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,2-DCE                 | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,3-Dichloropropene     | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromo-3-chloropropane | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| Dibromochloromethane        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dibromomethane              | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichlorobenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichlorobenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,4-Dichlorobenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dichlorodifluoromethane     | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethane          | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethene          | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloropropane         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichloropropane         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2,2-Dichloropropane         | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloropropene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Hexachlorobutadiene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2-Hexanone                  | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Isopropylbenzene            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Isopropyltoluene          | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Methyl-2-pentanone        | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Methylene Chloride          | ND                               | 3.0 |           |                                              |      |                    |           |      |          |      |
| n-Butylbenzene              | ND                               | 3.0 |           |                                              |      |                    |           |      |          |      |

**Qualifiers:**

|     |                                                                    |    |                                                 |
|-----|--------------------------------------------------------------------|----|-------------------------------------------------|
| *   | Value exceeds Maximum Contaminant Level.                           | B  | Analyte detected in the associated Method Blank |
| D   | Sample Diluted Due to Matrix                                       | E  | Estimated value                                 |
| H   | Holding times for preparation or analysis exceeded                 | J  | Analyte detected below quantitation limits      |
| ND  | Not Detected at the Reporting Limit                                | P  | Sample pH Not In Range                          |
| PQL | Practical Quantitative Limit                                       | RL | Reporting Limit                                 |
| S   | % Recovery outside of range due to dilution or matrix interference |    |                                                 |

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2112795

03-Jan-22

**Client:** Animas Environmental Services**Project:** Logos Julander Federal 1E

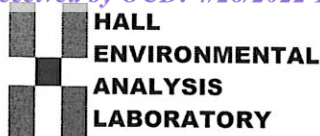
| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>            |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|----------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R84783</b>          |     |           | RunNo: <b>84783</b>                          |      |                    |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>12/24/2021</b> |     |           | SeqNo: <b>2981887</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result                           | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| n-Propylbenzene             | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| sec-Butylbenzene            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Styrene                     | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| tert-Butylbenzene           | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2,2-Tetrachloroethane   | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| Tetrachloroethene (PCE)     | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,2-DCE               | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,3-Dichloropropene   | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1-Trichloroethane       | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2-Trichloroethane       | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichloroethene (TCE)       | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichlorofluoromethane      | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichloropropane      | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| Vinyl chloride              | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Xylenes, Total              | ND                               | 1.5 |           |                                              |      |                    |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10                               |     | 10.00     |                                              | 101  | 70                 | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 9.9                              |     | 10.00     |                                              | 98.8 | 70                 | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 9.6                              |     | 10.00     |                                              | 96.0 | 70                 | 130       |      |          |      |
| Surr: Toluene-d8            | 11                               |     | 10.00     |                                              | 106  | 70                 | 130       |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: **Animas Environmental Services**

Work Order Number: **2112795**

RcptNo: 1

Received By: **Juan Rojas** 12/11/2021 9:32:00 AM

Completed By: **Desiree Dominguez** 12/13/2021 9:38:52 AM

Reviewed By: **TMC** 12/13/21

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved bottles checked for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: **CM** 12/13/21

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

|                      |  |       |                                                                                                                               |
|----------------------|--|-------|-------------------------------------------------------------------------------------------------------------------------------|
| Person Notified:     |  | Date: |                                                                                                                               |
| By Whom:             |  | Via:  | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           |  |       |                                                                                                                               |
| Client Instructions: |  |       |                                                                                                                               |

16. Additional remarks:

### 17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 4.9     | Good      |             |         |           |           |

## Chain-of-Custody Record

Client: Animas Environmenal Services, LLC

X Standard    Rush

Project Name:

Mailing Address: P.O. Box 8

Logos Julander Federal #1E

Farmington, NM 87499-0008

Project #:

Phone #: 505-564-2281

email or Fax#: [dreese@animasenvironmental.com](mailto:dreese@animasenvironmental.com)

Project Manager:

David Reese

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

**Accreditation:**

Sampler: JO


☐ NELAP      ☐ Other

On Ice: ☒ Yes ☐ No

☐ EDD (Type)

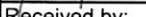
Sample Temperature:  $4.9 - 0 = 4.9$

[illegible]

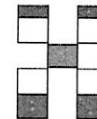
|                   |               |                                                                                                         |
|-------------------|---------------|---------------------------------------------------------------------------------------------------------|
| Date:<br>12/10/21 | Time:<br>1352 | Relinquished by:<br> |
|-------------------|---------------|---------------------------------------------------------------------------------------------------------|

|                    |          |      |
|--------------------|----------|------|
| Received by:       | Date     | Time |
| <i>[Signature]</i> | 12/10/21 | 1352 |

|          |       |                  |
|----------|-------|------------------|
| Date:    | Time: | Relinquished by: |
| 12/11/21 | 932   | Phil Watt        |

Received by:  Date: 12/11/21 Time: 9:32

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975      Fax 505-345-4107

## Analysis Request

8260 Full List

Air Bubbles (Y or N)

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 102380

CONDITIONS

|                                                                               |                |
|-------------------------------------------------------------------------------|----------------|
| Operator:<br>LOGOS OPERATING, LLC<br>2010 Afton Place<br>Farmington, NM 87401 | OGRID:         |
|                                                                               | 289408         |
|                                                                               | Action Number: |
|                                                                               | 102380         |
| Action Type:                                                                  |                |
| [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)                      |                |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| nvelez     | None      | 6/1/2022       |