



## GAS MITIGATION MONTHLY REPORT - JUNE 2023

Property:

**South Hobbs G/SA Unit  
Unit F, Section 5, Township 19S, Range 38E  
Latitude 32.690683, Longitude -103.173158  
Lea County, New Mexico**

**New Mexico EMNRD OCD  
Order No. R-4934-F, Case No. 14981  
Incident ID No. nAPP2227033082**

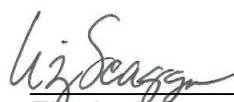
July 31, 2023

Prepared for:

**Occidental Permian LTD  
1600 Gehrig Dr.  
Midland, Texas 79706  
Attn: Ms. Melissa Gilliland**

Prepared by:

  
Beaux Jennings  
Senior Project Manager

  
Elizabeth Scaggs, PG  
Principal



## Table of Contents

|            |                                             |          |
|------------|---------------------------------------------|----------|
| <b>1.0</b> | <b>INTRODUCTION .....</b>                   | <b>1</b> |
| 1.1        | Site Description & Background .....         | 1        |
| 1.2        | Groundwater Recovery – Levey Well .....     | 4        |
| 1.3        | Gas Recovery – Levey Well .....             | 4        |
| <b>2.0</b> | <b>AIR AND GROUNDWATER MONITORING .....</b> | <b>5</b> |
| 2.1        | Air Sampling Program .....                  | 5        |
| 2.2        | Groundwater Sampling Program .....          | 5        |
| <b>3.0</b> | <b>DATA EVALUTATION .....</b>               | <b>6</b> |
| 3.1        | Air Samples .....                           | 6        |
| 3.2        | Groundwater Samples .....                   | 7        |
| <b>4.0</b> | <b>RECOMMENDATIONS .....</b>                | <b>8</b> |
| <b>5.0</b> | <b>REFERENCES .....</b>                     | <b>8</b> |

## List of Appendices

### **Appendix A: Figures and Graphs**

Figure 1 – Site Map

Graph – Benzene Concentration Over Time

### **Appendix B: Tables**

Table 1 – Groundwater Analytical Summary – VOCs

Table 2 – Groundwater Analytical Summary – General Water Chemistry

Table 3 – Groundwater Analytical Summary – Additional  
Parameters for Monitoring Wells

Table 4 – Air Analytical Summary – VOCs

### **Appendix C: Laboratory Data Sheets & Chain-of-Custody Documentation**

### **Appendix D: Levey Well Pressure Reading Documentation**



# ENSOLUM

## GAS MITIGATION MONTHLY REPORT – JUNE 2023

**South Hobbs G/SA Unit  
Unit F, Section 5, Township 19S, Range 38E  
Latitude 32.690683, Longitude -103.173158  
Lea County, New Mexico**

**New Mexico EMNRD OCD  
Order No. R-4934-F, Case No. 14981  
Incident ID No. nAPP2227033082**

### 1.0 INTRODUCTION

#### 1.1 Site Description & Background

|                        |                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operator:</b>       | Occidental Permian LTD (OXY)                                                                                                                                                                   |
| <b>Site Name:</b>      | South Hobbs G/SA Unit Operations (Site)                                                                                                                                                        |
| <b>Location:</b>       | Unit F, Section 5, Township 19 South, Range 38 East<br>Latitude 32.690683, Longitude -103.173158<br>Lea County, New Mexico                                                                     |
| <b>Property Owner:</b> | OXY                                                                                                                                                                                            |
| <b>Regulatory:</b>     | New Mexico Energy, Minerals and Natural Resources Department (EMNRD)<br>New Mexico Oil Conservation Division (NMOCD)<br>Incident ID No. nAPP2227033082<br>Order No. R-4934-F<br>Case No. 14981 |

This Gas Mitigation Monthly Report - June 2023 summarizes activities subsequent to the *Gas Mitigation Monthly Report - November 2021*, dated December 14, 2021, the *Gas Mitigation Monthly Report - December 2021*, dated January 20, 2022, the *Gas Mitigation Monthly Report - January 2022*, dated March 1, 2022, the *Gas Mitigation Monthly Report - February 2022*, dated March 24, 2022, the *Gas Mitigation Monthly Report - March 2022*, dated May 4, 2022, the *Gas Mitigation Monthly Report - April 2022*, dated July 11, 2022, the *Gas Mitigation Monthly Report - May 2022*, dated July 22, 2022 and the *Gas Mitigation Monthly Report - June 2022*, dated July 22, 2022, the *Gas Mitigation Monthly Report - July 2022*, dated September 1, 2022, the *Gas Mitigation Monthly Report - August 2022*, dated December 6, 2022, the *Gas Mitigation Monthly Report - September 2022*, dated December 6, 2022, the *Gas Mitigation Monthly Report - October 2022*, dated January 20, 2022, the *Gas Mitigation Monthly Report - December 2022*, dated March 9, 2023, the *Gas Mitigation Monthly Report - January 2023*, dated March 9, 2023, the *Gas Mitigation Monthly Report – February 2023*, dated June 20, 2023, the *Gas Mitigation Monthly Report – March 2023*, dated June 20, 2023, the *Gas Mitigation Monthly Report - April 2023*, dated June 20, 2023, and the *Gas Mitigation Monthly Report - May 2023*, dated July 31, 2023 . All wells are located within operations that are part of the South Hobbs Grayburg/San Andres Unit (SHU) Field in the southwestern area of the City of Hobbs, Lea County, New Mexico. Collectively, the Levey water well (Levey Well) and the two monitoring wells (MW-1 and MW-2) are referred to as the “Site”.

South Hobbs G/SA Unit Operations  
Gas Mitigation Monthly Report - June 2023  
July 31, 2023



OXY has investigated groundwater and oil and gas operation well conditions in the area of the Site. A Site Map, which indicates the approximate locations of the Levey Well and monitoring wells MW-1 and MW-2 in relation to pertinent structures and general Site boundaries, is included as **Figure 1 in Appendix A.**

On June 30, 2019, elevated pressure was observed at the Levey Well. At the request of the New Mexico Oil Conservation Division (NMOCD), localized area wells were “shut in” from operational use. Over time, the pressure being observed at the Levey Well declined until pressure was no longer recorded. Observations and water analysis of the Levey water well did identify free gas in the well bore; however, pressure from the underlying groundwater-bearing zone was no longer present. Operational data was analyzed as part of the area wide assessment and adjacent wells investigated as potential sources for the gas infiltration. During maintenance operations at SHU #183, located approximately 575 feet southwest of the Levey Well, the SHU #183 well string was pulled, and pressures measured for proof of casing integrity. During these operations, SHU #183 was found to have a casing leak, which is believed to be the source of the pressure observed at Levey well. In response, OXY plugged the SHU #183 well to the surface. No other anomalies were observed in the adjacent area oil and gas wells. After SHU #183 was plugged, OXY drilled a nearby replacement well. This replacement well, designated as SHU #297, is currently operational and shows no concerns of free gas migration.

In February of 2020, permission was obtained from the NMOCD to drill two monitoring wells (MW-1 and MW-2) for analysis and observation purposes. Monitoring well MW-1 was installed in the vicinity of the Levey Well and monitoring well MW-2 was installed in the vicinity of SHU #183.

During initial pre-start up background sampling of the Levey Well, MW-1 and MW-2 on two separate events, May 25th and June 20th of 2020, gas with lower explosive limits (LEL's) at or over 60% were observed in the Levey Well and monitoring well MW-2. This finding was consistent with previous analysis and findings within the Levey Well and not an unexpected result as the previous contributions of gas from the SHU #183 had been sufficient to result in pressure at the surface through the Levey Well.

OXY's groundwater monitoring program included the collection of a groundwater sample from each monitoring well (MW-1 and MW- 2). The monitoring wells were gauged and sampled on May 26, June 30, August 20, October 23, November 24, December 18, 2020, and weekly thereafter. The Levey Well has been sampled consistently from December 6, 2019, to June 26, 2023. The groundwater samples collected from the monitoring wells (MW-1 and MW-2) were analyzed for total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) utilizing Environmental Protection Agency (EPA) Method 8015M, volatile organic compounds (VOCs) utilizing EPA Method SW-846 #8260 (full list), carbon dioxide utilizing Standard Method 4500 CO<sub>2</sub> C, dissolved sulfide utilizing EPA Method SW-846 #376.2, chloride using EPA Method SW-846 #300.0 and pH utilizing EPA Method SW-846 #150.1. The groundwater samples collected from the Levey Well were analyzed for VOCs, recoverable metals per ICP by EPA 200.7, inorganic anions by EPA 300/300.1, pH by SM4500-H, total dissolved solids (TDS) by SM2540C, alkalinity by SM2320B and cation-anion balance by SM1030E.



South Hobbs G/SA Unit Operations  
Gas Mitigation Monthly Report - June 2023  
July 31, 2023



During the June 2023 groundwater sampling event the groundwater samples did not exhibit constituent concentrations above New Mexico Water Quality Control Commission (WQCC) *Groundwater Quality Standards* (GQSs), with the exception of benzene, Nitrite as N and TDS. Benzene concentrations ranged from 0.0123 milligrams per liter (mg/L) to 0.0180 mg/L in monitoring well MW-2. In addition, several Nitrite as N exceedances ranging from 1.01 mg/L to 6.73 mg/L were observed in the Levey Well as well as monitoring wells MW-1 and MW-2. TDS concentrations ranged from 1,180 mg/L to 1,380 mg/L in the Levey Well. Although above the GQS, these TDS concentrations are consistent with background levels in the Quaternary Alluvium, Ogallala Formation, and the Dockum Group (i.e., the three groundwater bearing units) in Southern Lea County (Nicholson and Clebsch, 1961). The groundwater analytical summary tables are included in **Appendix B**.

OXY utilized automated processes to compile and monitor dates related to the SHU localized wells to ensure tracking of production and injection activities as related to the re-start of these area operations. No anomalies were observed in the area oil and gas wells that could contribute free gas into the groundwater-bearing zone.

To mitigate potential exposures, the Levey residence was purchased by OXY and remains unoccupied. A passive vent was installed on the Levey Well to mitigate safety and explosivity concerns for the residential and work area. There has been no detectable build-up of pressure in the Levey Well or monitoring wells MW-1 and MW-2. Hydrogen sulfide (H<sub>2</sub>S) has not been detected in any of the three aforementioned wells since July 15, 2020. All detections of H<sub>2</sub>S prior to July 15, 2020 were within the well bore. No H<sub>2</sub>S above permissible exposure limits was observed outside of the well bores.

OXY installed pressure reading charts at the Levey Well to measure the potential for any returning pressure at the well. These charts measure pressure 24 hours a day and show that no pressure has returned to the Levey Well. Monitoring wells MW-1 and MW-2 were physically monitored for the presence of gas and pressure on several dates from 7/1/2020 to 6/26/2023, with no pressure observed in either monitoring well. The pressure reading chart available for June 2023 is included in **Appendix D**.

The data indicates that pressure sourced from SHU #183 contributed to the infiltration of free gas into the red beds just beneath the groundwater-bearing zone, creating a pressurized pool of gas that traveled to the Levey Well. Once SHU #183 was plugged, the pressure source was removed from the red beds and overlying groundwater-bearing zone and the remaining free gases below remain pooling within the red bed underlying the groundwater-bearing zone. This is supported by the data described above and is consistent with findings reported in two reports, one co-authored and supplied by Lisa Molofsky of GSI Environmental Inc. The first is "Purging and other sampling variables affecting dissolved methane concentration in water supply wells", and the second "Factors affecting the variability of stray gas concentration and composition in groundwater" authored by A.W. Gorody, referenced below. The reports state:

*As free-phase gas spreads vertically and/or laterally from a source of release, it can become trapped beneath low permeability sediments (e.g., the “red beds” which separate the overlying Ogallala aquifer from the underlying Santa Rosa). Irregularities in the base topography of these barriers can result in discretized pools of free-phase gas. In many ways, this trapping and accumulation of free-phase gases beneath impermeable units is analogous to the development of structural traps that form in conventional oil and gas reservoirs. This phenomenon can also be viewed as the conceptual inverse of a chlorinated solvent release (a dense NAPL, or “DNAPL”) in which the dense liquid can migrate downward through the groundwater via available pathways, until encountering a resistant layer, where the dense liquid pools and accumulates.*

*In water supply wells, free-phase gas entry is most likely to occur when water levels are lowered in a well by pumping or drought, because this reduces the pressure head resisting gas entry from the formation into the well (Gorody 2012, Molofsky et al. 2018). This may allow free-phase gas to enter the well from one unit (e.g., red bed), while water is primarily originating from another (e.g., the Ogallala aquifer). When the two phases (free-phase gas from the red bed and groundwater from the Ogallala) mix in the water well, there is relatively little time for equilibration under pumping conditions; consequently, dissolved gas concentrations may be very low even though free-phase gas is observed in the well headspace.*

These studies and OXY’s related findings are that the remaining free gas beneath portions of the Site is pooled within the red beds and the overlying geologic pressure is such that it is confining the free gas. The free gas observed in the Levey Well and monitoring well MW-2 well bores are traveling through these conduits to near surface but lack the pressure to release from the subsurface as the additional pressure from SHU #183 has been eliminated. This coupled with the finding that there is little mixing of constituents of gases into the dissolved phase within the adjacent groundwater supports the understanding that the gases are remaining beneath the water interface and only traveling up to surface when the relative pressure allows it to do so, rather than mixing with the water source.

The data indicates that the current free gas in the subsurface has reached a point of equilibrium and, without influence, is stable. To mobilize the free gas, a pressure change was proposed to release the free gas pool from the subsurface red bed, as described below in Section 1.3.

## 1.2 Groundwater Recovery – Levey Well

As of July 1, 2021, the Levey Well has run full time and recovered groundwater is transferred via flowline to a nearby tank for proper disposal. The groundwater recovered from the Levey Well during June 1 - 26, 2023 was approximately 649,096 gallons.

## 1.3 Gas Recovery – Levey Well

OXY conducted one vacuum recovery event during the month of June 2023 with positive results as shown on **Table 4** in **Appendix B**. The purpose of this event was to attach a vacuum pump truck to the Levey Well, creating a vacuum on the wellbore, and displacing the underlying water releasing the overlying pressure restraining the free gas pool, and releasing it to the surface. This process will continue into July 2023 once every two weeks until the sampling results of the air are minimal after displacement of the overlying pressure, or the process proves to become ineffective.

South Hobbs G/SA Unit Operations  
Gas Mitigation Monthly Report - June 2023  
July 31, 2023



## 2.0 AIR AND GROUNDWATER MONITORING

### 2.1 Air Sampling Program

#### Levey Well

The air samples from June 26, 2023, were taken prior to, during, and subsequent to the vacuum recovery event utilizing Summa<sup>®</sup> canisters. Upon arrival at the Site, the Levey Well is turned off and allowed to stabilize for approximately one hour. An air sample is taken after one hour of the Levey Well stabilization, prior to initiating the vacuum recovery event.

During the June 26, 2023 vacuum recovery event, the vacuum was applied to the Levey Well for a duration of approximately two hours. Approximately one hour and two hours into the event, an air sample was taken. The vacuum was then turned off and an additional air sample from the Levey Well was taken one hour subsequent to the vacuum recovery event. Water was not recovered during the vacuum recovery event.

The Summa<sup>®</sup> canisters were shipped under proper chain-of-custody to Pace Analytical Laboratory in Mount Juliet, TN for analysis of volatile organic compounds (VOCs) by Method TO-15. Laboratory analytical results are summarized in **Table 4** in **Appendix B**. The executed chain-of-custody forms and laboratory data sheets from the June 2023 sampling event are provided in **Appendix C**.

### 2.2 Groundwater Sampling Program

Groundwater sampling events were conducted each week on the Levey Well and monitoring wells MW-1 and MW-2. The groundwater sampling program followed the requirements from NMOCD and consists of the following:

#### Levey Well

As of July 1, 2021, the Levey water well ran full time until February 2, 2022. The Levey well recovered groundwater is transferred via flowline to a nearby tank battery for proper disposal. Prior to sample collection, the Levey Well is turned off and allowed to stabilize for approximately one hour prior to sampling. Once the Levey Well is properly purged and readings from the AquaTROLL 500 stabilize, a groundwater sample is collected.

As previously stated, due to a severe winter storm on February 2, 2022, the Levey well flowline pump was damaged. Replacement parts were ordered, the pump was repaired and has been active since March 14, 2022.

The groundwater samples collected from the Levey Well were analyzed for VOCs, recoverable metals per ICP by EPA 200.7, inorganic anions by EPA 300/300.1, pH by SM4500-H, TDS by SM2540C, alkalinity by SM2320B and cation-anion balance by SM1030E.

#### Monitoring Wells MW-1 and MW-2

Prior to sample collection, the depth to fluids in each monitoring well (MW-1 and MW-2) are gauged using a water level meter capable of detecting groundwater up to 0.01 feet. Each monitoring well is then sampled utilizing micro-purge low-flow sampling techniques. Subsequent to the completion of the micro-purge process, one groundwater sample is collected from each monitoring well.

South Hobbs G/SA Unit Operations  
Gas Mitigation Monthly Report - June 2023  
July 31, 2023



The groundwater samples collected from monitoring wells MW-1 and MW-2 were analyzed for TPH GRO, TPH DRO and ORO utilizing EPA Method 8015M, VOCs utilizing EPA Method SW-846 #8260, carbon dioxide utilizing Standard Method 4500, dissolved sulfide utilizing EPA Method SW-846 #376.2, chloride using EPA Method SW-846 300.0 and pH utilizing EPA Method SW-846 #150.1.

Low flow refers to the velocity with which groundwater enters the pump intake and is imparted to the formation water in the immediate vicinity of the well screen. The objective is to pump in a manner that minimizes stress (drawdown) to the system, to the extent practical, taking into account established Site sampling objectives. Flow rates on the order of 0.1 to 0.5 liters per minute (l/min) will be maintained during sampling activities, using dedicated or decontaminated sampling equipment.

The groundwater samples are collected from each monitoring well once produced groundwater is consistent in color, clarity, pH, temperature, and conductivity. Measurements during purging are taken every three to five minutes. Purging is considered complete once key parameters (especially pH and conductivity) have stabilized for three successive readings.

Groundwater samples were collected in laboratory supplied containers, labeled/sealed using the laboratory supplied labels and custody seals, and stored on ice in a cooler. The groundwater samples were relinquished to the courier for Eurofins Midland of Midland, Texas under proper chain-of-custody procedures.

Laboratory analytical results are summarized in **Tables 1** through **Table 3** in **Appendix B**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix C**.

### 3.0 DATA EVALUTATION

#### 3.1 Air Samples

Gas mitigation activities at the Levey Well began on November 8, 2021, and will continue on a bi-weekly basis through July 2023. Based on the concentrations observed in the Levey Well air samples, the vacuum recovery events are drawing the free gas over to the Levey Well. Prior to each vacuum recovery event, an air sample is taken to give a representative snapshot of static conditions of gas in the subsurface. Elevated concentrations of ethylbenzene, n-hexane, m&p-xylene, o-xylene, and/or TPH were observed prior to the initiation of each vacuum recovery event.

Once initiated, an air sample is taken at one hour and two hours into the vacuum recovery event. During each of the vacuum recovery events, ethylbenzene, n-hexane, m&p-xylene, o-xylene, and/or TPH concentrations significantly decrease throughout the duration of the event.

Approximately one hour after the termination of the vacuum recovery event, a final air sample is collected. Elevated concentrations of acetone, cyclohexane, ethanol, ethylbenzene, 4-ethyltoluene, heptane, n-hexane, isopropylbenzene, 2-propanol, toluene, 1,2,4-trimethylbenzene, m&p-xylene, o-xylene, and/or TPH begin to accumulate inside the Levey water well casing. These results indicate that the vacuum recovery events are successful in drawing the subsurface gas over to the Levey Well.

South Hobbs G/SA Unit Operations  
Gas Mitigation Monthly Report - June 2023  
July 31, 2023



Air samples are also collected on a bi-weekly basis approximately one week subsequent to the vacuum recovery event. During each of the bi-weekly air sampling events, elevated concentrations of ethylbenzene, 4-ethyltoluene, heptane, n-hexane, isopropylbenzene, 2-propanol, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, o-xylene, and/or TPH were observed inside the Levey water well casing. These results again indicate that the vacuum recovery events are successful in drawing the subsurface gas over to the Levey Well.

### 3.2 Groundwater Samples

Ensolum compared the laboratory analytical results or laboratory practical quantitation limits (PQLs) associated with the June 2023 groundwater samples collected from the Levey Well and monitoring wells MW-1 and MW-2 to the New Mexico WQCC GQSs. The results of the groundwater sample analyses are summarized in **Table 1** through **Table 3** of **Appendix B**. All analytical results were below the WQCC GQSs, with the exception of the analytes, as discussed below.

#### Levey Well

TDS concentrations of 1,180 mg/L to 1,380 mg/L were observed during the June 2023 sampling. Although above the GQS, these TDS concentrations are consistent with background levels in the Quaternary Alluvium, Ogallala Formation, and the Dockum Group (i.e., the three groundwater bearing units) in Southern Lea County (Nicholson and Clebsch, 1961). Specifically, for the 20 water supply wells sampled by the USGS in Southern Lea County with TDS analyses, the median TDS concentration was 722 mg/L, and the 75<sup>th</sup> percentile TDS concentration was 1,953 mg/L.

The Levey Well sampling first began on December 6, 2019. Through mitigation activities, including groundwater recovery and vacuum recovery events, the benzene concentration in the Levey Well has significantly decreased over time, with the exception of December 29, 2021, which had a benzene analytical result of 0.00611 mg/L, the January 19, 2022, which had a benzene analytical result of 0.00684 mg/L, the March 9, 2022, which had a benzene analytical result of 0.00552 mg/L, and the January 25, 2023, which had a benzene analytical result of 0.00589 mg/L, which exceeds the WQCC GQS of 0.005 mg/L. This slight rise in concentration is indicative that the vacuum recovery events are successful in drawing the subsurface gas over to the Levey Well. Benzene concentrations over time are graphed and included in **Appendix A**, showing the significant decrease of benzene in the Levey Well over time.

#### Monitoring Well MW-1 and MW-2

The groundwater samples collected from monitoring well MW-1 did not exhibit benzene concentrations above the WQCC GQS of 0.005 mg/L. The groundwater samples collected from monitoring well MW-2 exhibited benzene concentrations ranging from 0.0123 mg/L to 0.0180 mg/L, which exceed the WQCC GQS of 0.005 mg/L.

In addition, several Nitrite as N exceedances ranging from 1.01 mg/L to 6.73 mg/L were observed in the Levey Well as well as monitoring wells MW-1 and MW-2, which is above the WQCC GQS of 1.0 mg/L.

All other VOC concentrations were either below the laboratory reporting limit or below the WQCC GQS protective concentrations. All laboratory reporting limits were below the WQCC GQS protective concentrations, indicating a lack of dissolved phase gas infiltration into the localized groundwater.



## 4.0 RECOMMENDATIONS

OXY has demonstrated over time that the SHU #290 and the surrounding oil and gas operations were and are not a contributor to the previous related pressure observed in the Levey Well. This has been demonstrated by over four months of readings (**Appendix D**) which show that the pressures and gas readings are very consistent with pre-injection background, including, but not limited to carbon dioxide. The plugging of the SHU #183 well has shown to be effective in discontinuing the source of free gas related to the Levey water well.

**OXY requests from the NMOCD moving forward in 2023 to:**

- **Plug and abandon the Levey Well and monitoring well MW-1;**
- **Remove impacted groundwater utilizing monitoring well MW-2 full time. The recovered groundwater will be transferred via flowline to a nearby tank for proper disposal. Groundwater removal will continue until acceptable levels achieving compliance expectations are complete;**
- **Implement monthly sampling for water and air on monitoring well MW-2 moving forward in 2023;**
- **Utilizing monitoring well MW-2, continue to remove free gas accumulations from the underlying red bed and groundwater-bearing zone on a bi-weekly basis to acceptable levels of removal to achieve compliance expectations. The air sampling process performed at the Levey Well will continue utilizing monitoring well MW-2, as described in Section 2.1; and**
- **Continue to monitor MW-2 utilizing daily pressure checks for significant changes in pressure, which could indicate a secondary source, until compliance of free gas removal is achieved.**

## 5.0 REFERENCES

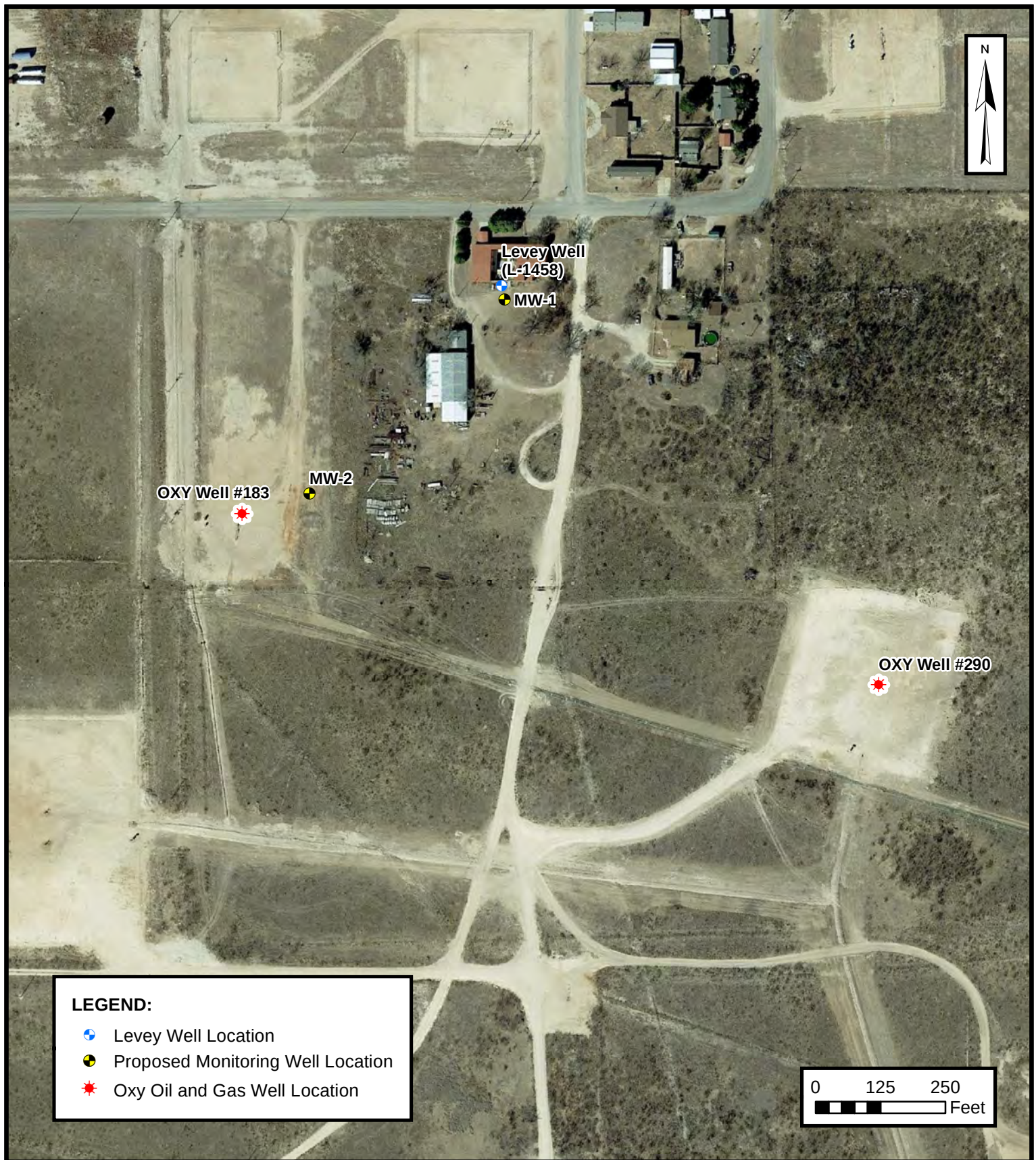
- GSI Environmental Inc. Preliminary Draft -Results of Water Supply Well Sampling and Investigation. November 2019. Hobbs New Mexico Municipal Code, Title 13.04.017. Accessed Sept. 2020.
- New Mexico Environment Department. 2018. 20.6.2 NMAC: Title 20 (Environmental Protection), Chapter 6 (Water Quality), Part 2 (Ground and Surface Water Protection). Amended December 11<sup>th</sup>, 2019.
- Nicholson, Jr. A. and A. Clebsch, Jr. 1961. Geology and Ground-Water Conditions in Southern Lea County, New Mexico. United States Geological Survey Ground-Water Report 6. Prepared in cooperation with the New Mexico Institute of Mining and Technology, State Bureau of Mines and Mineral Resources Division and the New Mexico State Engineer.
- Gorody, A.W., 2012. Factors affecting the variability of stray gas concentration and composition in groundwater. Environ. Geosci. 19, 17–31. <https://doi.org/10.1306/eg.12081111013>.
- Molofsky, L.J., Richardson, S.D., Gorody, A.W., Baldassare, F., Connor, J.A., McHugh, T.E., Smith, A.P., Wylie, A.S., Wagner, T., 2018. Purging and other sampling variables affecting dissolved methane concentration in water supply wells. Sci. Total Environ. 618, 998-1007. <https://doi.org/10.1016/j.scitotenv.2017.09.077>.



## APPENDIX A

### Figures and Graphs





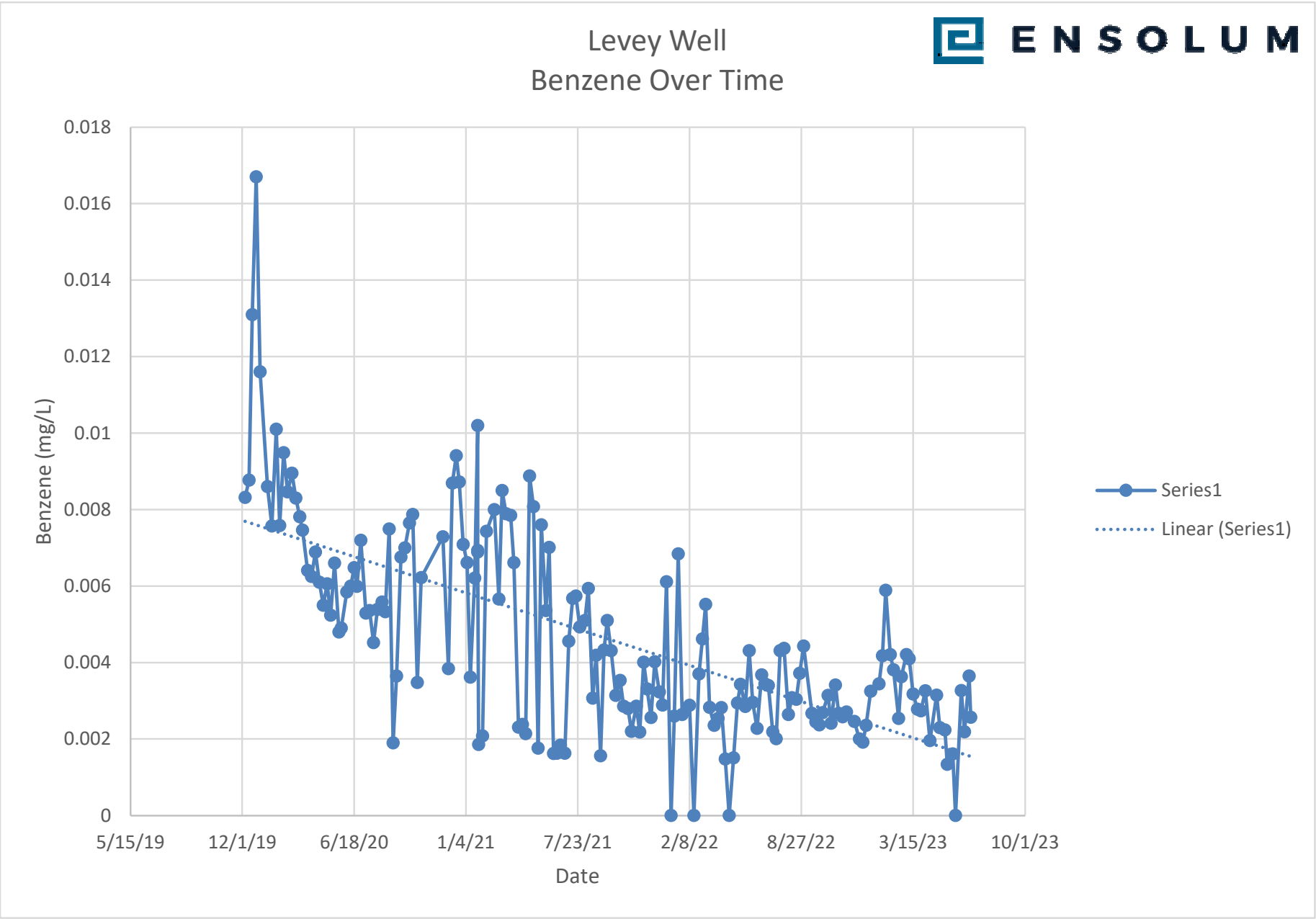
### SITE MAP

OCCIDENTAL PERMIAN LTD  
S HOBBS G/SA UNIT  
Unit F, Sec 5, T19S, R38E, Hobbs, New Mexico  
32.690683° N, 103.173158° W

PROJECT NUMBER: 03B1417002

FIGURE

1





## APPENDIX B

### Tables



TABLE 1  
GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date       | VOCs (mg/L) |         |              |          |             |               |                                  |                |                  |                   |                     |            |               |                 |                 |                               |                    |                     |                          |                     |                     |                  |             |                 |                       |           |                        |                        |
|----------------------------------------------------------------------------------------|------------|-------------|---------|--------------|----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|---------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|---------------------|--------------------------|---------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|
|                                                                                        |            | Benzene     | Toluene | Ethylbenzene | o-Xylene | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone (2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Tetrachloroethylene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | 1,2-Dichloropropane | cis-1,2-Dichloroethylene | 1,4-Dichlorobenzene | 1,1-Dichloropropene | Isopropylbenzene | Naphthalene | n-Propylbenzene | 1,1,2-Trichloroethane | Styrene   | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |            | 0.005       | 1       | 0.7          | NE       | NE          | 0.62          | NE                               | NE             | NE               | NE                | 0.005               | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | 0.005               | NE                       | 0.075               | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1       | NE                     | NE                     |
| Levey Well                                                                             | 12/6/2019  | 0.00832     | 0.0708  | 0.0296       | 0.0242   | 0.129       | 0.153         | <0.0500                          | 0.00151        | 0.00206          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00138                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0126           | <0.0100     | 0.00566         | <0.00100              | <0.00100  | 0.0358                 | 0.0106                 |
|                                                                                        | 12/13/2019 | 0.00877     | 0.0654  | 0.0271       | 0.0233   | 0.121       | 0.144         | <0.0500                          | 0.00118        | 0.00171          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00112                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0112           | <0.0100     | 0.00470         | <0.00100              | <0.00100  | 0.0315                 | 0.00944                |
|                                                                                        | 12/19/2019 | 0.0131      | 0.0861  | 0.0385       | 0.0318   | 0.170       | 0.202         | 0.0125 J                         | 0.00187        | 0.00257          | <0.000195         | <0.000500           | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00173                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0170           | <0.00200    | 0.00747         | <0.000228             | <0.000162 | 0.0469                 | 0.0144                 |
|                                                                                        | 12/26/2019 | 0.0167      | 0.112   | 0.0514       | 0.0459   | 0.210       | 0.256         | <0.0500                          | 0.00211        | 0.00320          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00183                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0235           | <0.0100     | 0.00934         | <0.00100              | <0.00100  | 0.0672                 | 0.0168                 |
|                                                                                        | 1/2/2020   | 0.0116      | 0.0644  | 0.0551       | 0.0805   | 0.232       | 0.313         | <0.0500                          | 0.00231        | 0.00164          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00127                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0107           | 0.0120      | 0.00544         | <0.00100              | 0.00243   | 0.0377                 | 0.0106                 |
|                                                                                        | 1/15/2020  | 0.00860     | 0.0528  | 0.0318       | 0.0219   | 0.119       | 0.141         | <0.0500                          | <0.00100       | 0.00259          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | <0.00100                      | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0148           | <0.0100     | 0.0104          | <0.00100              | <0.00100  | 0.0547                 | 0.0172                 |
|                                                                                        | 1/23/2020  | 0.00757     | 0.0462  | 0.0318       | 0.0224   | 0.119       | 0.141         | <0.0500                          | 0.00233        | 0.00295          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00180                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0158           | <0.0100     | 0.0166          | <0.00100              | <0.00100  | 0.103                  | 0.0300                 |
|                                                                                        | 1/31/2020  | 0.0101      | 0.0567  | 0.0462       | 0.0385   | 0.166       | 0.205         | <0.500                           | <0.0100        | <0.0100          | 0.0438            | <0.00100            | <0.0100    | NA            | 0.0343          | 0.0344          | <0.0100                       | <0.0100            | <0.0500             | <0.00100                 | <0.00100            | 0.0584              | 0.0262           | <0.100      | 0.0458          | <0.0100               | <0.0100   | 0.323                  | 0.0847                 |
|                                                                                        | 2/6/2020   | 0.00758     | 0.0489  | 0.0306       | 0.0242   | 0.116       | 0.140         | <0.0500                          | 0.00234        | 0.00299          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00165                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0174           | <0.0100     | 0.0237          | <0.00100              | <0.00100  | 0.285                  | 0.0451                 |
|                                                                                        | 2/13/2020  | 0.00949     | 0.0498  | 0.0397       | 0.0337   | 0.145       | 0.179         | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00251                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0251           | <0.0100     | 0.0450          | <0.00100              | <0.00100  | 0.349                  | 0.0898                 |
|                                                                                        | 2/20/2020  | 0.00846     | 0.0326  | 0.0313       | 0.0248   | 0.113       | 0.138         | <0.0500                          | <0.00100       | 0.00407          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00229                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0208           | <0.0100     | 0.0431          | <0.00100              | <0.00100  | 0.322                  | 0.0918                 |
|                                                                                        | 2/28/2020  | 0.00895     | 0.0351  | 0.0374       | 0.0251   | 0.124       | 0.149         | <0.250                           | <0.00500       | <0.00500         | <0.00500          | <0.00500            | <0.00500   | NA            | <0.00500        | <0.00500        | <0.00500                      | <0.00500           | <0.0250             | <0.00500                 | <0.00500            | <0.0250             | 0.0249           | <0.0500     | 0.0488          | <0.00500              | <0.00500  | 0.358                  | 0.0989                 |
|                                                                                        | 3/6/2020   | 0.00830     | 0.0313  | 0.0346       | 0.0228   | 0.114       | 0.137         | <0.0500                          | 0.00374        | 0.00467          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00254                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0231           | <0.0100     | 0.0472          | <0.00100              | <0.00100  | 0.378                  | 0.0948                 |
|                                                                                        | 3/13/2020  | 0.00781     | 0.0302  | 0.0330       | 0.0203   | 0.109       | 0.129         | <0.0500                          | 0.00153        | <0.00100         | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00247                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0224           | <0.0100     | 0.0428          | <0.00100              | <0.00100  | 0.277                  | 0.0875                 |
|                                                                                        | 3/18/2020  | 0.00746     | 0.0279  | 0.0304       | 0.0174   | 0.0981      | 0.116         | <0.0500                          | 0.00311        | 0.00400          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00224                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0199           | <0.0100     | 0.0365          | <0.00100              | <0.00100  | 0.275                  | 0.0777                 |
|                                                                                        | 3/27/2020  | 0.00641     | 0.0151  | 0.0247       | 0.0132   | 0.0737      | 0.0869        | <0.0500                          | 0.00122        | 0.00345          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00189                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0166           | <0.0100     | 0.0336          | <0.00100              | <0.00100  | 0.261                  | 0.0721                 |
|                                                                                        | 4/3/2020   | 0.00625     | 0.0129  | 0.0250       | 0.0130   | 0.0745      | 0.0875        | <0.0500                          | 0.00120        | <0.00100         | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00209                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0174           | <0.0100     | 0.0363          | <0.00100              | <0.00100  | 0.273                  | 0.0756                 |
|                                                                                        | 4/10/2020  | 0.00689     | 0.0327  | 0.0277       | 0.0159   | 0.0924      | 0.108         | <0.0500                          | 0.00253        | 0.00338          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00188                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0171           | <0.0100     | 0.0300          | <0.00100              | <0.00100  | 0.264                  | 0.0580                 |
|                                                                                        | 4/17/2020  | 0.00610     | 0.0258  | 0.0253       | 0.0141   | 0.0814      | 0.0955        | <0.0500                          | 0.00238        | 0.00321          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00175                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0164           | <0.0100     | 0.0280          | <0.00100              | <0.00100  | 0.220                  | 0.0562                 |
|                                                                                        | 4/24/2020  | 0.00550     | 0.0241  | 0.0225       | 0.0125   | 0.0756      | 0.0881        | <0.0500                          | <0.00100       | 0.00297          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00179                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0148           | <0.0100     | 0.0251          | <0.00100              | <0.00100  | 0.199                  | 0.0526                 |
|                                                                                        | 5/1/2020   | 0.00606     | 0.0277  | 0.0237       | 0.0129   | 0.0773      | 0.0902        | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00159                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0143           | <0.0100     | 0.0242          | <0.00100              | <0.0100   | 0.185                  | 0.0513                 |
|                                                                                        | 5/7/2020   | 0.00524     | 0.0168  | 0.0211       | 0.0108   | 0.0655      | 0.0763        | <0.0500                          | <0.00100       | 0.00306          | <0.00100          | <0.00100            | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00171                       | <0.00100           | <0.00500            | <0.00100                 | <0.00100            | <0.00500            | 0.0138           | <0.0100     | 0.0270          | <0.00100              | &lt       |                        |                        |

TABLE 1  
GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date      | VOCs (mg/L) |         |              |          |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |           |                        |                        |
|----------------------------------------------------------------------------------------|-----------|-------------|---------|--------------|----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|-----------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|---------------------|----------------------------|---------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|
|                                                                                        |           | Benzene     | Toluene | Ethylbenzene | o-Xylene | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone (2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Tetrachloroeth(y)lene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | 1,2-Dichloropropane | cis-1,2-Dichloroeth(y)lene | 1,4-Dichlorobenzene | 1,1-Dichloropropene | Isopropylbenzene | Naphthalene | n-Propylbenzene | 1,1,2-Trichloroethane | Styrene   | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |           | 0.005       | 1       | 0.7          | NE       | NE          | 0.62          | NE                               | NE             | NE               | NE                | 0.005                 | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | 0.005               | NE                         | 0.075               | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1       | NE                     | NE                     |
| Levey Well                                                                             | 1/6/2021  | 0.00661     | 0.0494  | 0.0239       | 0.0141   | 0.0930      | 0.107         | <0.0500                          | <0.00100       | 0.00233          | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00140                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0122           | <0.0100     | 0.00710         | <0.00100              | <0.00100  | 0.0334                 | 0.0113                 |
|                                                                                        | 1/12/2021 | 0.00362     | 0.0206  | 0.0168       | 0.00849  | 0.0547      | 0.0632        | <0.0500                          | 0.00159        | 0.00278          | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00157                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0105           | <0.0100     | 0.00959         | <0.00100              | <0.00100  | 0.0540                 | 0.0174                 |
|                                                                                        | 1/20/2021 | 0.00621     | 0.0383  | 0.0245       | 0.0137   | 0.0884      | 0.102         | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00159                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0135           | <0.0100     | 0.00920         | <0.00100              | <0.00100  | 0.0470                 | 0.0152                 |
|                                                                                        | 1/25/2021 | 0.0102      | 0.0717  | 0.0337       | 0.0195   | 0.130       | 0.150         | <0.0500                          | 0.00167        | 0.00287          | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00162                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0162           | <0.0100     | 0.00914         | <0.00100              | <0.00100  | 0.0455                 | 0.0149                 |
|                                                                                        | 1/25/2021 | 0.00689     | 0.0353  | 0.0243       | 0.0113   | 0.0733      | 0.0846        | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00145                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0127           | <0.0100     | 0.0115          | <0.00100              | <0.00100  | 0.0687                 | 0.0205                 |
|                                                                                        | 1/25/2021 | 0.00693     | 0.0342  | 0.0251       | 0.0113   | 0.0737      | 0.0850        | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00146                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0133           | <0.0100     | 0.0124          | <0.00100              | <0.00100  | 0.0738                 | 0.0218                 |
|                                                                                        | 1/27/2021 | 0.00186     | 0.00398 | 0.0101       | 0.00322  | 0.0219      | 0.0251        | <0.0500                          | 0.00110        | 0.00169          | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | <0.00100                      | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.00618          | <0.0100     | 0.0125          | <0.00100              | <0.00100  | 0.0743                 | 0.0224                 |
|                                                                                        | 2/3/2021  | 0.00208     | 0.00551 | 0.0120       | 0.00438  | 0.0262      | 0.0306        | <0.0500                          | <0.00100       | 0.00195          | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00101                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.00756          | <0.0100     | 0.0156          | <0.00100              | <0.00100  | 0.0945                 | 0.0282                 |
|                                                                                        | 2/10/2021 | 0.00743     | 0.0531  | 0.0280       | 0.0157   | 0.104       | 0.120         | <0.0500                          | 0.00140        | <0.00100         | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00145                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0142           | <0.0100     | 0.00876         | <0.00100              | <0.00100  | 0.0448                 | 0.0143                 |
|                                                                                        | 2/24/2021 | 0.00800     | 0.0593  | 0.0287       | 0.0177   | 0.109       | 0.127         | <0.0500                          | <0.00100       | 0.0024           | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00142                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0140           | <0.0100     | 0.00808         | <0.00100              | <0.00100  | 0.0408                 | 0.0132                 |
|                                                                                        | 3/4/2021  | 0.00566     | 0.0446  | 0.0222       | 0.0133   | 0.0869      | 0.100         | <0.0500                          | <0.00100       | 0.00187          | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00110                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0105           | <0.0100     | 0.00694         | <0.00100              | <0.00100  | 0.0390                 | 0.0119                 |
|                                                                                        | 3/10/2021 | 0.00850     | 0.0668  | 0.0314       | 0.0194   | 0.126       | 0.145         | <0.0500                          | <0.00100       | 0.00270          | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00176                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0156           | <0.0100     | 0.00898         | <0.00100              | <0.00100  | 0.0466                 | 0.0150                 |
|                                                                                        | 3/17/2021 | 0.00789     | 0.0563  | 0.0273       | 0.0168   | 0.103       | 0.120         | 0.0253 J                         | 0.000840 J     | 0.00239          | <0.000195         | <0.00100              | <0.00100   | NA            | <0.000214       | <0.000183       | 0.00139                       | <0.000285          | <0.00500            | <0.000174                  | <0.00100            | <0.000481           | 0.0129           | <0.00200    | 0.00830         | <0.000228             | <0.000162 | 0.0427                 | 0.0135                 |
|                                                                                        | 3/25/2021 | 0.00785     | 0.0585  | 0.0276       | 0.0175   | 0.109       | 0.127         | 0.0206 J                         | 0.00129        | <0.00100         | <0.00100          | <0.00100              | <0.00100   | <0.0100       | <0.00100        | <0.00100        | 0.00143                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.0141           | <0.0100     | 0.00779         | <0.00100              | <0.00100  | 0.0416                 | <0.00100               |
|                                                                                        | 3/31/2021 | 0.00661     | 0.0459  | 0.0243       | 0.0143   | 0.0857      | 0.100         | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.00100              | <0.00100   | <0.0100       | 0.00302         | <0.000183       | 0.00144                       | <0.000244          | <0.00500            | <0.000174                  | <0.00100            | <0.000481           | 0.0129           | <0.00200    | 0.00840         | <0.000228             | <0.000162 | 0.0422                 | 0.01370                |
|                                                                                        | 4/8/2021  | 0.00231     | 0.00502 | 0.0106       | 0.00358  | 0.0227      | 0.0263        | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100              | <0.00100   | <0.0100       | <0.00100        | <0.00100        | 0.00103                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.00689          | <0.0100     | 0.0148          | <0.00100              | <0.00100  | 0.0951                 | 0.0639                 |
|                                                                                        | 4/15/2021 | 0.00238     | 0.00491 | 0.0109       | 0.00364  | 0.0266      | 0.0302        | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100              | <0.00100   | <0.0100       | <0.00100        | <0.00100        | 0.00109                       | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.00733          | <0.0100     | 0.0162          | <0.00100              | <0.00100  | 0.111                  | <0.00100               |
|                                                                                        | 4/21/2021 | 0.00214     | 0.00431 | 0.00957      | 0.00340  | 0.0198      | 0.0232        | <0.00270                         | <0.000286      | 0.00181          | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00103                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00658          | <0.00200    | 0.0149          | <0.000228             | <0.000623 | 0.109                  | 0.0631                 |
|                                                                                        | 4/28/2021 | 0.00888     | 0.0652  | 0.0325       | 0.0201   | 0.121       | 0.141         | 0.0198 J                         | <0.000286      | 0.00259          | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00163                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0161           | <0.00200    | 0.00855         | <0.000228             | <0.000623 | 0.0431                 | 0.0138                 |
|                                                                                        | 5/5/2021  | 0.00808     | 0.0527  | 0.0257       | 0.0160   | 0.0935      | 0.110         | <0.00270                         | 0.00135        | 0.00232          | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00130                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0121           | <0.00200    | 0.00760         | <0.000228             | <0.000623 | 0.0414                 | <0.000279              |
|                                                                                        | 5/13/2021 | 0.00176     | 0.00332 | 0.00899      | 0.00297  | 0.0187      | 0.0217        | <0.00270                         | 0.00109        | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000802 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00592          | <0.00200    | 0.0139          | <0.000228             | <0.000623 | 0.0828                 | 0.0239                 |
|                                                                                        | 5/19/2021 | 0.00760     | 0.0603  | 0.0296       |          |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |           |                        |                        |

TABLE 1  
GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date      | VOCs (mg/L)                                                                               |         |              |          |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |           |                        |                        |
|----------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------|---------|--------------|----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|-----------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|---------------------|----------------------------|---------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|
|                                                                                        |           | Benzene                                                                                   | Toluene | Ethylbenzene | o-Xylene | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone (2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Tetrachloroeth(y)lene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | 1,2-Dichloropropane | cis-1,2-Dichloroeth(y)lene | 1,4-Dichlorobenzene | 1,1-Dichloropropene | Isopropylbenzene | Naphthalene | n-Propylbenzene | 1,1,2-Trichloroethane | Styrene   | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |           | 0.005                                                                                     | 1       | 0.7          | NE       | NE          | 0.62          | NE                               | NE             | NE               | NE                | 0.005                 | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | 0.005               | NE                         | 0.075               | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1       | NE                     | NE                     |
| Levey Well                                                                             | 1/6/2022  | 0.000940 J                                                                                | 0.00568 | 0.00394      | 0.00181  | 0.0134      | 0.0152        | <0.00270                         | <0.000286      | 0.000577 J       | <0.000195         | 0.000654 J            | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000397 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00213          | <0.00200    | 0.00127         | <0.000228             | <0.000623 | 0.0168                 | 0.00498                |
|                                                                                        | 1/12/2022 | 0.00260                                                                                   | 0.0190  | 0.01020      | 0.00573  | 0.0381      | 0.0438        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000621 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00707          | <0.00200    | 0.00273         | <0.000228             | <0.000623 | 0.0197                 | <0.000279              |
|                                                                                        | 1/19/2022 | 0.00684                                                                                   | 0.0520  | 0.0252       | 0.0158   | 0.0980      | 0.114         | 0.00679 J                        | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00123                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0118           | <0.00200    | 0.00592         | <0.000228             | <0.000623 | 0.0296                 | 0.00947                |
|                                                                                        | 1/26/2022 | 0.00264                                                                                   | 0.0206  | 0.0103       | 0.00604  | 0.0392      | 0.0452        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000568 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00507          | <0.00200    | 0.00258         | <0.000228             | <0.000623 | 0.0139                 | 0.00433                |
|                                                                                        | 2/2/2022  | Unable to Sample due to Inclement Weather. Booster Pump for Levey Well Damaged by Freeze. |         |              |          |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |           |                        |                        |
|                                                                                        | 2/8/2022  | 0.00288                                                                                   | 0.0228  | 0.0122       | 0.00697  | 0.0458      | 0.0528        | 0.0112 J                         | <0.000286      | 0.00125          | <0.000195         | 0.00194               | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000813 J                    | <0.000285          | <0.000396           | <0.000174                  | 0.000211 J          | <0.000481           | 0.00591          | <0.00200    | 0.00329         | <0.000228             | <0.000623 | 0.0228                 | 0.00693                |
|                                                                                        | 2/16/2022 | 0.000814 J                                                                                | 0.00676 | 0.00397      | 0.00212  | 0.0142      | 0.0163        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | 0.00175               | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000336 J                    | <0.000285          | 0.000534 J          | <0.000174                  | <0.000199           | <0.000481           | 0.00202          | <0.00200    | 0.00130         | <0.000228             | <0.000623 | 0.00924                | 0.00283                |
|                                                                                        | 2/25/2022 | 0.00370                                                                                   | 0.0196  | 0.0133       | 0.00750  | 0.0489      | 0.0564        | 0.00976 J                        | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000696 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00626          | <0.00200    | 0.00308         | <0.000228             | <0.000623 | 0.0131                 | 0.00450                |
|                                                                                        | 3/3/2022  | 0.00462                                                                                   | 0.0327  | 0.0162       | 0.00973  | 0.0634      | 0.0731        | 0.0180 J                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000710 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00731          | <0.00200    | 0.00342         | <0.000228             | <0.000623 | 0.0140                 | 0.00470                |
|                                                                                        | 3/9/2022  | 0.00552                                                                                   | 0.0388  | 0.0204       | 0.0124   | 0.0768      | 0.0892        | <0.00270                         | 0.00169        | 0.00180          | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00109                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00966          | <0.00200    | 0.00484         | <0.000228             | <0.000623 | 0.0226                 | 0.00720                |
|                                                                                        | 3/14/2022 | Booster Pump for Levey Well Repaired and Back on Running Full Time.                       |         |              |          |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |           |                        |                        |
|                                                                                        | 3/16/2022 | 0.00283                                                                                   | 0.0227  | 0.0106       | 0.00619  | 0.0409      | 0.0471        | <0.00270                         | <0.000286      | 0.000916 J       | <0.000195         | 0.00174               | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000550 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00477          | <0.00200    | 0.00238         | <0.000228             | <0.000623 | 0.0114                 | 0.00388                |
|                                                                                        | 3/24/2022 | 0.00236                                                                                   | 0.0178  | 0.00867      | 0.00491  | 0.0341      | 0.0390        | <0.00270                         | 0.000553 J     | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000509 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00409          | <0.00200    | 0.00208         | <0.000228             | <0.000623 | 0.0101                 | 0.00323                |
|                                                                                        | 3/31/2022 | 0.00254                                                                                   | 0.0197  | 0.00985      | 0.00574  | 0.0371      | 0.0428        | 0.00431 J                        | <0.000286      | 0.000932 J       | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000605 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00482          | <0.00200    | 0.00233         | <0.000228             | <0.000623 | 0.0121                 | 0.00390                |
|                                                                                        | 4/6/2022  | 0.00282                                                                                   | 0.0215  | 0.0106       | 0.00647  | 0.0405      | 0.0470        | 0.00381 J                        | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000581 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00491          | <0.00200    | 0.00250         | <0.000228             | <0.000623 | 0.0125                 | 0.00386                |
|                                                                                        | 4/13/2022 | 0.00148                                                                                   | 0.0113  | 0.00559      | 0.00334  | 0.0211      | 0.0244        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | 0.000531 J            | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000351 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00269          | <0.00200    | 0.00153         | <0.000228             | <0.000623 | 0.00856                | 0.00264                |
|                                                                                        | 4/20/2022 | 0.000594 J                                                                                | 0.00776 | 0.00375      | 0.00212  | 0.0158      | 0.0179        | <0.00270                         | <0.000286      | 0.000408 J       | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000239 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00196          | <0.00200    | 0.000651 J      | <0.000228             | <0.000623 | 0.00643                | 0.00156                |
|                                                                                        | 4/28/2022 | 0.00151                                                                                   | 0.0112  | 0.00540      | 0.00323  | 0.0207      | 0.0239        | <0.00270                         | <0.000286      | 0.000523 J       | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00238          | <0.00200    | 0.00133         | <0.000228             | <0.000623 | 0.00733                | 0.00242                |
|                                                                                        | 5/5/2022  | 0.00294                                                                                   | 0.0275  | 0.0130       | 0.00761  | 0.0515      | 0.0591        | <0.00270                         | <0.000286      | 0.00117          | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000709 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00600          | <0.00200    | 0.00265         | <0.000228             | <0.000623 | 0.0145                 | 0.00440                |
|                                                                                        | 5/10/2022 | 0.00343                                                                                   | 0.0282  | 0.0132       | 0.00821  | 0.0517      | 0.0599        | <0.00270                         | <0.000286      | 0.00119          | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000652 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00630          | <0.00200    | 0.00301         | <0.000228             | <0.000623 | 0.0148                 | 0.00463                |
|                                                                                        | 5/19/2022 | 0.00285                                                                                   | 0.0228  | 0.0107       | 0.00633  | 0.0424      | 0.0487        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000527 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00521          | <0.00200    | 0.00232         | <0.000228             | <0.000623 | 0.0102                 | 0.00345                |
|                                                                                        | 5/26/2022 | 0.00431                                                                                   | 0.0360  | 0.0171       | 0.0109   | 0.0679      | 0.0788        | <0.00270                         | <0.000286      | 0.00153          | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000918 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00840          | <0.00200    | 0.00391         | <0.000228             | <0.000623 | 0.0182                 | 0.00580                |
|                                                                                        | 6/1/2022  | 0.00296                                                                                   | 0.0233  | 0.0107       | 0.00653  | 0.0423      | 0.0488        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000538 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00499          | <0.00200    | 0.00212         | <                     |           |                        |                        |



TABLE 1  
GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date      | VOCs (mg/L)                           |           |              |           |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |           |                        |                        |
|----------------------------------------------------------------------------------------|-----------|---------------------------------------|-----------|--------------|-----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|-----------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|---------------------|----------------------------|---------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|
|                                                                                        |           | Benzene                               | Toluene   | Ethylbenzene | o-Xylene  | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone (2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Tetrachloroeth(y)lene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | 1,2-Dichloropropane | cis-1,2-Dichloroeth(y)lene | 1,4-Dichlorobenzene | 1,1-Dichloropropene | Isopropylbenzene | Naphthalene | n-Propylbenzene | 1,1,2-Trichloroethane | Styrene   | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |           | 0.005                                 | 1         | 0.7          | NE        | NE          | 0.62          | NE                               | NE             | NE               | NE                | 0.005                 | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | 0.005               | NE                         | 0.075               | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1       | NE                     | NE                     |
| Levey Well                                                                             | 1/4/2023  | Electrical Failure, Unable to Sample. |           |              |           |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |           |                        |                        |
|                                                                                        | 1/13/2023 | 0.00344                               | 0.0290    | 0.0135       | 0.00827   | 0.0558      | 0.0641        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00668          | <0.00135    | 0.00303         | <0.000511             | <0.000655 | 0.0120                 | 0.00408                |
|                                                                                        | 1/19/2023 | 0.00418                               | 0.0357    | 0.0146       | 0.00899   | 0.0602      | 0.0692        | <0.00828                         | <0.000644      | 0.00135          | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00684          | <0.00135    | 0.00313         | <0.000511             | <0.000655 | 0.0114                 | 0.00396                |
|                                                                                        | 1/25/2023 | 0.00589                               | 0.0498    | 0.0228       | 0.0139    | 0.0938      | 0.1080        | <0.00828                         | 0.00112        | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | 0.00108                       | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.0112           | <0.00135    | 0.00495         | <0.000511             | <0.000655 | 0.0198                 | 0.00669                |
|                                                                                        | 2/2/2023  | 0.00421                               | 0.0338    | 0.0146       | 0.00885   | 0.0601      | 0.0690        | <0.00828                         | 0.000778 J     | 0.00121          | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00695          | <0.00135    | 0.0032          | <0.000511             | <0.000655 | 0.0112                 | 0.00392                |
|                                                                                        | 2/8/2023  | 0.00381                               | 0.0269    | 0.0115       | 0.00734   | 0.0496      | 0.0569        | <0.00828                         | <0.000644      | 0.00101          | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00583          | <0.00135    | 0.00265         | <0.000511             | <0.000655 | 0.0106                 | 0.00335                |
|                                                                                        | 2/17/2023 | 0.00254                               | 0.0204    | 0.00982      | 0.00629   | 0.0396      | 0.0459        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00499          | <0.00135    | 0.00238         | <0.000511             | <0.000655 | 0.0102                 | 0.00316                |
|                                                                                        | 2/22/2023 | 0.00363                               | 0.0281    | 0.0133       | 0.00889   | 0.0540      | 0.0629        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00623          | <0.00135    | 0.00302         | <0.000511             | <0.000655 | 0.0140                 | 0.00426                |
|                                                                                        | 3/3/2023  | 0.00421                               | 0.0316    | 0.0145       | 0.00911   | 0.0581      | 0.0672        | <0.00828                         | <0.000644      | 0.00117          | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00698          | <0.00135    | 0.00300         | <0.000511             | <0.000655 | 0.0124                 | 0.00408                |
|                                                                                        | 3/8/2023  | 0.00410                               | 0.0288    | 0.0132       | 0.00896   | 0.0539      | 0.0629        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00618          | <0.00135    | 0.00276         | <0.000511             | <0.000655 | 0.0138                 | 0.00409                |
|                                                                                        | 3/15/2023 | 0.00318                               | 0.0245    | 0.0113       | 0.00747   | 0.0450      | 0.0525        | <0.00828                         | <0.000644      | 0.000987 J       | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00543          | <0.00135    | 0.00250         | <0.000511             | <0.000655 | 0.0112                 | 0.00329                |
|                                                                                        | 3/23/2023 | 0.00278                               | 0.0219    | 0.0103       | 0.00617   | 0.0393      | 0.0455        | <0.00828                         | <0.000644      | 0.000873 J       | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00513          | <0.00135    | 0.00224         | <0.000511             | <0.000655 | 0.00930                | 0.00289                |
|                                                                                        | 3/29/2023 | 0.00274                               | 0.0197    | 0.00898      | 0.00564   | 0.0349      | 0.0405        | <0.00828                         | <0.000644      | 0.000857 J       | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00462          | <0.00135    | 0.00192         | <0.000511             | <0.000655 | 0.00798                | 0.00246                |
|                                                                                        | 4/6/2023  | 0.00326                               | 0.0242    | 0.0113       | 0.00757   | 0.0451      | 0.0527        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00554          | <0.00135    | 0.00237         | <0.000511             | <0.000655 | 0.0110                 | 0.00328                |
|                                                                                        | 4/14/2023 | 0.00196                               | 0.0142    | 0.00641      | 0.00432   | 0.0251      | 0.0294        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00316          | <0.00135    | 0.00142         | <0.000511             | <0.000655 | 0.00638                | 0.00204                |
|                                                                                        | 4/26/2023 | 0.00315                               | 0.0256    | 0.0119       | 0.00779   | 0.0508      | 0.0586        | <0.00828                         | <0.000644      | 0.0011           | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00595          | <0.00135    | 0.00251         | <0.000511             | <0.000655 | 0.01160                | 0.00346                |
|                                                                                        | 5/2/2023  | 0.00230                               | 0.0168    | 0.00748      | 0.00491   | 0.0302      | 0.0351        | <0.00828                         | <0.000644      | 0.000716 J       | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00367          | <0.00135    | 0.00169         | <0.000511             | <0.000655 | 0.00721                | 0.00229                |
|                                                                                        | 5/11/2023 | 0.00224                               | 0.0163    | 0.00757      | 0.00487   | 0.0277      | 0.0326        | <0.00828                         | <0.000644      | 0.000743 J       | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00364          | <0.00135    | 0.00166         | <0.000511             | <0.000655 | 0.00700                | 0.00230                |
|                                                                                        | 5/15/2023 | 0.00134                               | 0.00949   | 0.00492      | 0.00275   | 0.0190      | 0.0218        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00285          | <0.00135    | 0.00106         | <0.000511             | <0.000655 | 0.00436                | 0.00129                |
|                                                                                        | 5/25/2023 | 0.00161                               | 0.0113    | 0.00570      | 0.00323   | 0.0211      | 0.0243        | <0.00828                         | <0.000644      | 0.000561 J       | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00267          | <0.00135    | 0.00127         | <0.000511             | <0.000655 | 0.00441                | 0.00141                |
|                                                                                        | 5/30/2023 | <0.000533                             | <0.000475 | <0.000411    | <0.000551 | <0.00124    | <0.00124      | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | <0.000613        | <0.00135    | <0.000498       | <0.000511             | <0.000655 | 0.000889 J             | <0.000456              |
|                                                                                        | 6/9/2023  | 0.00327                               | 0.0264    | 0.0129       | 0.00821   | 0.0529      | 0.0611        | <0.00828                         | 0.000774 J     | 0.00137          | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00611          | <0.00135    | 0.00323         | <0.000511             | <0.000655 | 0.01400                | 0.00411                |
|                                                                                        | 6/15/2023 | 0.00219                               | 0.0154    | 0.00761      | 0.00487   | 0.0292      | 0.0341        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00398          | <0.00135    | 0.00175         | <0.000511             | <0.000655 | 0.00744                | 0.00229                |
|                                                                                        | 6/23/2023 | 0.00365                               | 0.0251    | 0.0139       | 0.00865   | 0.0564      | 0.0651        | <0.00828                         | 0.000789 J     | 0.00128          | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00633          | <0.00135    | 0.00291         | <0.000511             | <0.000655 | 0.0141                 | 0.00414                |
|                                                                                        | 6/26/2023 | 0.00257                               | 0.0177    | 0.00872      | 0.00591   | 0.0356      | 0.0415        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801             | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                  | <0.000513           | <0.00160            | 0.00406          | <0.00135    | 0.00199         | <0.000511             | <0.000655 | 0.00922                | 0.00261                |

TABLE 1  
GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date       | VOCs (mg/L) |            |              |           |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |           |                        |                        |
|----------------------------------------------------------------------------------------|------------|-------------|------------|--------------|-----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|-----------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|---------------------|----------------------------|---------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|
|                                                                                        |            | Benzene     | Toluene    | Ethylbenzene | o-Xylene  | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone (2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Tetrachloroeth(y)lene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | 1,2-Dichloropropane | cis-1,2-Dichloroeth(y)lene | 1,4-Dichlorobenzene | 1,1-Dichloropropene | Isopropylbenzene | Naphthalene | n-Propylbenzene | 1,1,2-Trichloroethane | Styrene   | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |            | 0.005       | 1          | 0.7          | NE        | NE          | 0.62          | NE                               | NE             | NE               | NE                | 0.005                 | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | 0.005               | NE                         | 0.075               | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1       | NE                     | NE                     |
| MW-1                                                                                   | 5/26/2020  | 0.000500 J  | <0.000500  | <0.000146    | <0.000192 | 0.00215 J   | 0.00215       | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | <0.000161        | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00101                | 0.0005 J               |
|                                                                                        | 6/30/2020  | 0.00275     | <0.00100   | <0.00100     | <0.00100  | 0.0136      | 0.0136        | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | <0.00100                      | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | <0.00100         | <0.0100     | <0.00100        | <0.00100              | <0.00100  | 0.00665                | 0.00271                |
|                                                                                        | 8/20/2020  | 0.00222     | <0.00100   | <0.00100     | <0.00100  | <0.0100     | <0.00100      | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | <0.00100                      | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | <0.00100         | <0.0100     | <0.00100        | <0.00100              | <0.00100  | 0.00388                | 0.00175                |
|                                                                                        | 10/23/2020 | 0.00353     | <0.000367  | <0.000657    | <0.000642 | 0.00246 J   | 0.00246       |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    | NA                  |                            |                     |                     |                  |             |                 |                       |           |                        |                        |
|                                                                                        | 11/24/2020 | 0.00241     | <0.000500  | 0.000310 J   | <0.000192 | 0.00133 J   | 0.001330      | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | <0.000161        | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00151                | 0.000820 J             |
|                                                                                        | 12/18/2020 | 0.00257     | <0.000500  | 0.000580 J   | <0.000192 | 0.00145 J   | 0.00145       | <0.00270                         | <0.000286      | 0.000350 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000270 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000320 J       | <0.00200    | 0.000230 J      | <0.000228             | <0.000162 | 0.00234                | 0.00111                |
|                                                                                        | 12/23/2020 | 0.00159     | <0.000500  | 0.000380 J   | <0.000192 | 0.000970 J  | 0.000970 J    | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | 0.000230 J                 | <0.000199           | <0.000481           | <0.000161        | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.000720 J             | 0.000360 J             |
|                                                                                        | 12/30/2020 | 0.00194     | <0.000500  | 0.000470 J   | <0.000192 | 0.00148 J   | 0.00148       | <0.00270                         | <0.000286      | 0.000230 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000240 J       | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00154                | 0.000750 J             |
|                                                                                        | 1/6/2021   | 0.00209     | <0.000500  | 0.000330 J   | <0.000192 | 0.00122 J   | 0.00122       | <0.00270                         | <0.000286      | 0.000310 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000260 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000190 J       | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00219                | 0.00103                |
|                                                                                        | 1/12/2021  | 0.00211     | 0.000690 J | 0.000540 J   | <0.000192 | 0.00163 J   | 0.00163       | <0.00270                         | <0.000286      | 0.000220 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000200 J       | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00143                | 0.000670 J             |
|                                                                                        | 1/20/2021  | 0.00222     | <0.000500  | 0.000430 J   | <0.000192 | 0.00137 J   | 0.00137       | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000210 J       | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00140                | 0.000720 J             |
|                                                                                        | 1/27/2021  | 0.00157     | <0.000500  | 0.000400 J   | <0.000192 | 0.00123 J   | 0.00123       | 0.00398 J                        | <0.000286      | 0.000270 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000210 J       | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00153                | 0.000830 J             |
|                                                                                        | 2/3/2021   | 0.00203     | <0.000500  | 0.000430 J   | <0.000192 | 0.00100 J   | 0.00100 J     | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000180 J       | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00105                | 0.000510 J             |
|                                                                                        | 2/10/2021  | 0.00196     | <0.000500  | 0.000560 J   | <0.000192 | 0.00143 J   | 0.00143       | <0.00575                         | <0.000286      | 0.000240 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000300 J       | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00143                | 0.000740 J             |
|                                                                                        | 2/24/2021  | 0.00158     | <0.000500  | 0.000460 J   | <0.000192 | 0.00110 J   | 0.0011        | <0.00575                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000210 J       | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.000930 J             | 0.000490 J             |
|                                                                                        | 3/4/2021   | 0.00139     | <0.000500  | 0.00102      | <0.000192 | 0.00211 J   | 0.00211       | <0.00575                         | <0.000286      | 0.000240 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000440 J       | <0.00200    | 0.000240 J      | <0.000228             | <0.000162 | 0.00131                | 0.000680 J             |
|                                                                                        | 3/10/2021  | 0.00143     | <0.000500  | 0.000490 J   | <0.000192 | 0.000900 J  | 0.000900 J    | <0.00575                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000200 J       | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.000780 J             | 0.000370 J             |
|                                                                                        | 3/17/2021  | 0.00159     | 0.00112    | 0.000790 J   | <0.000192 | 0.00183 J   | 0.00183       | <0.00575                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                     | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.000380 J       | <0.00200    | 0.000230 J      | <0.000228             | <0.000162 | 0.00145                | 0.000570 J             |
|                                                                                        | 3/25/2021  | 0.00159     | <0.00100   | 0.000533 J   | <0.00100  | 0.00123 J   | 0.00123 J     | <0.0500                          | <0.00100       | 0.000214 J       | <0.00100          | <0.00100              | <0.00100   | <0.0100       | <0.00100        | <0.00100        | <0.00100                      | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.000253 J       | <0.0100     | <0.00100        | <0.00100              | <0.00100  | 0.00152                | <0.00100               |
|                                                                                        | 3/31/2021  | 0.00161     | <0.000500  | 0.           |           |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |           |                        |                        |

Released to Imaging: 3/21/2024 4:18:32 PM

| Sample Designation                                                                     | Date      | VOCs (mg/L) |           |              |           |             |               |                                  |                |                  |                   |                     |            |               |                 |                 |                               |                    |                     |                          |                     |                     |                  |             |                 |                       |           |                        |                        |
|----------------------------------------------------------------------------------------|-----------|-------------|-----------|--------------|-----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|---------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|---------------------|--------------------------|---------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|
|                                                                                        |           | Benzene     | Toluene   | Ethylbenzene | o-Xylene  | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone (2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Tetrachloroethylene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | 1,2-Dichloropropane | cis-1,2-Dichloroethylene | 1,4-Dichlorobenzene | 1,1-Dichloropropene | Isopropylbenzene | Naphthalene | n-Propylbenzene | 1,1,2-Trichloroethane | Styrene   | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |           | 0.005       | 1         | 0.7          | NE        | NE          | 0.62          | NE                               | NE             | NE               | NE                | 0.005               | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | 0.005               | NE                       | 0.075               | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1       | NE                     | NE                     |
| MW-1                                                                                   | 1/4/2023  | <0.000533   | <0.000475 | <0.000411    | <0.000551 | <0.00124    | <0.00124      | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | <0.000613        | <0.00135    | <0.000498       | <0.000511             | <0.000655 | <0.000417              | <0.000456              |
|                                                                                        | 1/13/2023 | <0.000533   | <0.000475 | <0.000411    | <0.000551 | <0.00124    | <0.00124      | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | <0.000613        | <0.00135    | <0.000498       | <0.000511             | <0.000655 | <0.000417              | <0.000456              |
|                                                                                        | 1/19/2023 | <0.000533   | <0.000475 | <0.000411    | <0.000551 | <0.00124    | <0.00124      | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | <0.000613        | <0.00135    | <0.000498       | <0.000511             | <0.000655 | <0.000417              | <0.000456              |
|                                                                                        | 1/25/2023 | <0.000533   | <0.000475 | <0.000411    | <0.000551 | <0.00124    | <0.00124      | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | <0.000613        | <0.00135    | <0.000498       | <0.000511             | <0.000655 | <0.000417              | <0.000456              |
|                                                                                        | 2/2/2023  | <0.000533   | <0.000475 | <0.000411    | <0.000551 | <0.00124    | <0.00124      | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | <0.000613        | <0.00135    | <0.000498       | <0.000511             | <0.000655 | <0.000417              | <0.000456              |
|                                                                                        | 2/8/2023  | <0.000533   | <0.000475 | <0.000411    | <0.000551 | <0.00124    | <0.00124      | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | <0.000613        | <0.00135    | <0.000498       | <0.000511             | <0.000655 | <0.000417              | <0.000456              |
|                                                                                        | 2/17/2023 | <0.000533   | <0.000475 | <0.000411    | <0.000551 | <0.00124    | <0.00124      | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | <0.000613        | <0.00135    | <0.000498       | <0.000511             | <0.000655 | <0.000417              | <0.000456              |
|                                                                                        | 2/22/2023 | <0.000533   | <0.000475 | <0.000411    | <0.000551 | <0.00124    | <0.00124      | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | <0.000613        | <0.00135    | <0.000498       | <0.000511             | <0.000655 | <0.000417              | <0.000456              |
|                                                                                        | 3/3/2023  | <0.000533   | <0.0004   |              |           |             |               |                                  |                |                  |                   |                     |            |               |                 |                 |                               |                    |                     |                          |                     |                     |                  |             |                 |                       |           |                        |                        |



TABLE 1  
GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date       | VOCs (mg/L) |         |              |          |             |               |                                  |                |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |            |                        |                        |
|----------------------------------------------------------------------------------------|------------|-------------|---------|--------------|----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|-----------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|---------------------|----------------------------|---------------------|---------------------|------------------|-------------|-----------------|-----------------------|------------|------------------------|------------------------|
|                                                                                        |            | Benzene     | Toluene | Ethylbenzene | o-Xylene | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone (2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Tetrachloroeth(y)lene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | 1,2-Dichloropropane | cis-1,2-Dichloroeth(y)lene | 1,4-Dichlorobenzene | 1,1-Dichloropropene | Isopropylbenzene | Naphthalene | n-Propylbenzene | 1,1,2-Trichloroethane | Styrene    | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |            | 0.005       | 1       | 0.7          | NE       | NE          | 0.62          | NE                               | NE             | NE               | NE                | 0.005                 | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | 0.005               | NE                         | 0.075               | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1        | NE                     | NE                     |
| MW-2                                                                                   | 5/26/2020  | 0.00901     | 0.0299  | 0.0069       | 0.0186   | 0.0545      | 0.0731        | <0.00270                         | <0.000286      | 0.000270 J       | <0.000195         | <0.00500              | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000660                      | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00223          | <0.00200    | 0.000570 J      | <0.000228             | <0.000162  | 0.0125                 | 0.00704                |
|                                                                                        | 6/30/2020  | 0.0124      | 0.0193  | 0.0187       | 0.0196   | 0.0903      | 0.110         | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | <0.00100                      | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.00667          | <0.0100     | 0.00243         | <0.00100              | <0.00100   | 0.0231                 | 0.00815                |
|                                                                                        | 8/20/2020  | 0.0148      | 0.0172  | 0.0182       | 0.0160   | 0.0802      | 0.0962        | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100              | <0.00100   | NA            | <0.00100        | <0.00100        | <0.00100                      | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.00640          | <0.0100     | 0.00170         | <0.00100              | <0.00100   | 0.0145                 | 0.00421                |
|                                                                                        | 10/23/2020 | 0.0250      | 0.00730 | 0.0248       | 0.0186   | 0.110       | 0.129         | NA                               | NA             |                  |                   |                       |            |               |                 |                 |                               |                    |                     |                            |                     |                     |                  |             |                 |                       |            |                        |                        |
|                                                                                        | 11/24/2020 | 0.0358      | 0.0613  | 0.0503       | 0.0465   | 0.221       | 0.2675        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00143                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0189           | 0.00242 J   | <0.000179       | <0.000228             | <0.000162  | 0.0590                 | 0.0149                 |
|                                                                                        | 12/18/2020 | 0.0263      | 0.0260  | 0.0369       | 0.0240   | 0.165       | 0.189         | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00113                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0148           | <0.00200    | 0.00486         | <0.000228             | <0.000162  | 0.0467                 | 0.0121                 |
|                                                                                        | 12/23/2020 | 0.0299      | 0.0358  | 0.0381       | 0.0266   | 0.156       | 0.183         | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00101                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0135           | <0.00200    | 0.00408         | <0.000228             | <0.000162  | 0.0406                 | 0.0102                 |
|                                                                                        | 12/30/2020 | 0.0200      | 0.0242  | 0.0185       | 0.0146   | 0.0592      | 0.0738        | <0.00270                         | 0.000550 J     | 0.000680 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000540 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00603          | <0.00200    | 0.00170         | <0.000228             | <0.000162  | 0.0116                 | 0.00533                |
|                                                                                        | 1/6/2021   | 0.0200      | 0.0169  | 0.0231       | 0.0169   | 0.118       | 0.135         | <0.00270                         | 0.000390 J     | 0.00117          | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00105                       | 0.000500 J         | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00815          | <0.00200    | 0.00267         | 0.000800 J            | <0.000162  | 0.0339                 | 0.0103                 |
|                                                                                        | 1/12/2021  | 0.0193      | 0.0185  | 0.0198       | 0.0144   | 0.0922      | 0.107         | <0.00270                         | 0.000690 J     | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000710 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00756          | <0.00200    | 0.00242         | <0.000228             | <0.000162  | 0.0259                 | 0.00698                |
|                                                                                        | 1/20/2021  | 0.0229      | 0.0169  | 0.0190       | 0.0136   | 0.0829      | 0.0965        | 0.00394 J                        | 0.000400 J     | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000470 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00640          | <0.00200    | 0.00177         | <0.000228             | <0.000162  | 0.0202                 | 0.00517                |
|                                                                                        | 1/27/2021  | 0.0298      | 0.0276  | 0.0282       | 0.0269   | 0.155       | 0.182         | 0.00504 J                        | 0.00103        | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00116                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0117           | <0.00200    | 0.00343         | <0.000228             | <0.000162  | 0.0500                 | 0.0129                 |
|                                                                                        | 2/3/2021   | 0.0286      | 0.0392  | 0.0258       | 0.0236   | 0.111       | 0.135         | <0.00270                         | <0.000286      | 0.000850 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000590 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.00817          | <0.00200    | 0.00240         | <0.000228             | <0.000162  | 0.0267                 | 0.00674                |
|                                                                                        | 2/10/2021  | 0.0307      | 0.0201  | 0.0329       | 0.0210   | 0.159       | 0.180         | <0.00575                         | 0.000870 J     | <0.000199        | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000940 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0120           | <0.00200    | 0.00331         | <0.000228             | <0.000162  | 0.0407                 | 0.00994                |
|                                                                                        | 2/24/2021  | 0.0218      | 0.0122  | 0.0164       | 0.0111   | 0.0749      | 0.086         | <0.00575                         | 0.000370 J     | 0.000640 J       | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000480 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0060           | <0.00200    | 0.00175         | <0.000228             | <0.000162  | 0.0191                 | 0.00496                |
|                                                                                        | 3/4/2021   | 0.0264      | 0.0232  | 0.0320       | 0.0212   | 0.142       | 0.163         | <0.00575                         | 0.000430 J     | 0.00131          | <0.000195         | <0.000500             | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000930 J                    | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0115           | <0.00200    | 0.00390         | <0.000228             | <0.000162  | 0.0403                 | 0.0100                 |
|                                                                                        | 3/10/2021  | 0.0269      | 0.0234  | 0.0271       | 0.0206   | 0.117       | 0.138         | <0.00575                         | <0.000286      | 0.000970 J       | <0.000195         | <0.00100              | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000720 J                    | <0.000285          | <0.00500            | <0.000174                  | <0.00100            | <0.000481           | 0.00931          | <0.00200    | 0.00281         | <0.000228             | <0.000162  | 0.0287                 | 0.00720                |
|                                                                                        | 3/17/2021  | 0.0238      | 0.0237  | 0.0257       | 0.0190   | 0.113       | 0.132         | <0.0500                          | <0.00100       | 0.00113          | <0.00100          | <0.00100              | <0.000259  | NA            | <0.00100        | <0.00100        | <0.00100                      | <0.00500           | <0.00500            | <0.00500                   | <0.00100            | <0.00500            | 0.00923          | <0.0100     | 0.00305         | <0.00100              | <0.00100   | 0.0315                 | 0.00821                |
|                                                                                        | 3/25/2021  | 0.0209      | 0.0281  | 0.0202       | 0.0165   | 0.0892      | 0.106         | <0.0500                          | <0.00100       | 0.000799 J       | 0.00134           | <0.00100              | <0.00100   | <0.0100       | <0.00100        | <0.00100        | 0.000610 J                    | <0.00100           | <0.00500            | <0.00100                   | <0.00100            | <0.00500            | 0.00725          | <0.0100     | 0.00229         | <0.00100              | <0.00100   | 0.0224                 | <0.00100               |
|                                                                                        | 3/31/2021  | 0.0298      | 0.0107  | 0.0177       | 0.0203   | 0.124       | 0.144         | <0.00270                         | <0.000286      | 0.00137          | <0.000195         | <0.000500             | <0.00100   | <0.0100       | 0.00151         | <0.000183       | 0.00109                       | <0.000285          | <0.000396           | <0.000174                  | <0.000199           | <0.000481           | 0.0133           | <0.00200    | 0.00295         | <0.000228             | 0.000631 J | 0.0426                 | 0.0107                 |
|                                                                                        | 4/8/2021   | 0.0226      | 0.0217  | 0.0210       | 0.0175   | 0.0990      | 0.117         | <0.00270                         | 0.000640 J     | <0.000199        | <0.000195         | <0.000500             | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000579 J                    | <0.000285          | <0.000396           | <0.000174                  |                     |                     |                  |             |                 |                       |            |                        |                        |



TABLE 1  
GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date      | VOCs (mg/L)                                                                              |         |              |          |             |               |                                  |                |                  |                   |                     |            |               |                 |                 |                               |                    |                     |                          |                     |                     |                  |             |                 |                       |           |                        |                        |
|----------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------|---------|--------------|----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|---------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|---------------------|--------------------------|---------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|
|                                                                                        |           | Benzene                                                                                  | Toluene | Ethylbenzene | o-Xylene | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone (2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Tetrachloroethylene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | 1,2-Dichloropropane | cis-1,2-Dichloroethylene | 1,4-Dichlorobenzene | 1,1-Dichloropropene | Isopropylbenzene | Naphthalene | n-Propylbenzene | 1,1,2-Trichloroethane | Styrene   | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |           | 0.005                                                                                    | 1       | 0.7          | NE       | NE          | 0.62          | NE                               | NE             | NE               | NE                | 0.005               | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | 0.005               | NE                       | 0.075               | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1       | NE                     | NE                     |
| MW-2                                                                                   | 1/6/2022  | 0.0360                                                                                   | 0.00656 | 0.0309       | 0.0229   | 0.253       | 0.274         | <0.00270                         | 0.00192        | 0.00273          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00265                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0208           | <0.00200    | 0.00488         | <0.000228             | <0.000623 | 0.108                  | 0.0273                 |
|                                                                                        | 1/12/2022 | 0.0205                                                                                   | 0.00174 | 0.00106      | 0.0200   | 0.0949      | 0.115         | <0.00270                         | <0.000286      | 0.00132          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00184                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00521          | <0.00200    | 0.000546 J      | <0.000228             | <0.000623 | 0.0619                 | 0.00491                |
|                                                                                        | 1/19/2022 | 0.0262                                                                                   | 0.00733 | 0.0305       | 0.0147   | 0.229       | 0.249         | <0.00270                         | 0.00104        | 0.00147          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00116                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0142           | <0.00200    | 0.00403         | <0.000228             | <0.000623 | 0.0435                 | 0.0115                 |
|                                                                                        | 1/26/2022 | 0.0331                                                                                   | 0.00488 | 0.0137       | 0.00718  | 0.0755      | 0.0827        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000314 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00555          | <0.00200    | 0.00112         | <0.000228             | <0.000623 | 0.0145                 | 0.00380                |
|                                                                                        | 2/2/2022  | Unable to Sample due to Incident Weather. Booster Pump for Levey Well Damaged by Freeze. |         |              |          |             |               |                                  |                |                  |                   |                     |            |               |                 |                 |                               |                    |                     |                          |                     |                     |                  |             |                 |                       |           |                        |                        |
|                                                                                        | 2/8/2022  | 0.0184                                                                                   | 0.00572 | 0.0133       | 0.00676  | 0.0653      | 0.0721        | <0.00270                         | <0.000286      | 0.000510 J       | <0.000195         | <0.000500           | <0.000259  | 0.00165 J     | <0.000214       | <0.000183       | 0.000391 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00544          | <0.00200    | 0.00149         | <0.000228             | <0.000623 | 0.0150                 | 0.00409                |
|                                                                                        | 2/16/2022 | 0.0357                                                                                   | 0.0270  | 0.0391       | 0.0307   | 0.205       | 0.244         | <0.00270                         | <0.000286      | 0.00119          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000884 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0127           | <0.00200    | 0.00392         | <0.000228             | <0.000623 | 0.0393                 | 0.0103                 |
|                                                                                        | 2/25/2022 | 0.0341                                                                                   | 0.00559 | 0.0206       | 0.0111   | 0.134       | 0.145         | <0.00270                         | <0.0000286     | <0.000199        | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000996 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0114           | <0.00200    | 0.00295         | <0.000228             | <0.000623 | 0.0386                 | 0.00997                |
|                                                                                        | 3/3/2022  | 0.0370                                                                                   | 0.00673 | 0.0378       | 0.0160   | 0.225       | 0.244         | <0.00270                         | <0.0000286     | 0.00153          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00117                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0152           | <0.00200    | 0.00456         | <0.000228             | <0.000623 | 0.0496                 | 0.0126                 |
|                                                                                        | 3/9/2022  | 0.0182                                                                                   | 0.00790 | 0.0186       | 0.0131   | 0.0857      | 0.0988        | <0.00270                         | <0.0000286     | 0.000910 J       | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000683 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00640          | <0.00200    | 0.00211         | <0.000228             | <0.000623 | 0.0240                 | 0.00659                |
|                                                                                        | 3/14/2022 | Booster Pump for Levey Well Repaired and Back on Running Full Time.                      |         |              |          |             |               |                                  |                |                  |                   |                     |            |               |                 |                 |                               |                    |                     |                          |                     |                     |                  |             |                 |                       |           |                        |                        |
|                                                                                        | 3/16/2022 | 0.0200                                                                                   | 0.00793 | 0.0209       | 0.0133   | 0.0947      | 0.108         | <0.00270                         | <0.0000286     | 0.000759 J       | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000524 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00753          | <0.00200    | 0.00212         | <0.000228             | <0.000623 | 0.0216                 | 0.00583                |
|                                                                                        | 3/24/2022 | 0.0400                                                                                   | 0.0151  | 0.0490       | 0.0321   | 0.252       | 0.284         | <0.00270                         | 0.00104        | 0.00192          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00135                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0208           | <0.00200    | 0.00487         | <0.000228             | <0.000623 | 0.0679                 | 0.0170                 |
|                                                                                        | 3/31/2022 | 0.0305                                                                                   | 0.0309  | 0.0274       | 0.0311   | 0.267       | 0.311         | <0.00270                         | 0.00102        | 0.00142          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00138                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00896          | <0.00200    | 0.00203         | <0.000228             | <0.000623 | 0.0551                 | 0.0138                 |
|                                                                                        | 4/6/2022  | 0.0303                                                                                   | 0.0170  | 0.0140       | 0.0228   | 0.191       | 0.218         | <0.00270                         | 0.000939 J     | 0.00104          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00128                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00534          | <0.00200    | 0.00110         | <0.000228             | <0.000623 | 0.0517                 | 0.0136                 |
|                                                                                        | 4/13/2022 | 0.0303                                                                                   | 0.0271  | 0.0235       | 0.0218   | 0.135       | 0.157         | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000812 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00770          | <0.00200    | 0.00212         | <0.000228             | <0.000623 | 0.0368                 | 0.00937                |
|                                                                                        | 4/20/2022 | 0.0246                                                                                   | 0.0126  | 0.0157       | 0.0171   | 0.0994      | 0.117         | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000513 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00439          | <0.00200    | 0.000555 J      | <0.000228             | <0.000623 | 0.0224                 | 0.00580                |
|                                                                                        | 4/28/2022 | 0.0384                                                                                   | 0.0164  | 0.0617       | 0.0403   | 0.292       | 0.333         | <0.00270                         | 0.00162        | 0.00214          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00176                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0222           | <0.00200    | 0.00675         | <0.000228             | <0.000623 | 0.0872                 | 0.0220                 |
|                                                                                        | 5/5/2022  | 0.0181                                                                                   | 0.00219 | 0.0172       | 0.00988  | 0.110       | 0.120         | <0.00270                         | 0.000629 J     | 0.000796 J       | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000733 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00608          | <0.00200    | 0.00123         | <0.000228             | <0.000623 | 0.0276                 | 0.00751                |
|                                                                                        | 5/10/2022 | 0.0197                                                                                   | 0.00422 | 0.0184       | 0.0142   | 0.129       | 0.143         | <0.00270                         | <0.000286      | 0.000957 J       | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000953 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00681          | <0.00200    | 0.00180         | <0.000228             | <0.000623 | 0.0367                 | 0.00949                |
|                                                                                        | 5/19/2022 | 0.0329                                                                                   | 0.00659 | 0.0505       | 0.0254   | 0.367       | 0.407         | <0.00270                         | 0.00159        | <0.000199        | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00163                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0196           | <0.00200    | 0.00593         | <0.000228             | <0.000623 | 0.0645                 | 0.0173                 |
|                                                                                        | 5/26/2022 | 0.0238                                                                                   | 0.00151 | 0.0208       | 0.00782  | 0.105       | 0.113         | <0.00270                         | 0.000780 J     | 0.00102          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000846 J                    | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.00912          | <0.00200    | 0.00268         | <0.000228             | <0.000623 | 0.0317                 | 0.00846                |
|                                                                                        | 6/1/2022  | 0.0387                                                                                   | 0.00639 | 0.0414       | 0.0212   | 0.230       | 0.253         | <0.00270                         | <0.000286      | 0.00172          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00147                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0156           | <0.00200    | 0.00395         | <0.000228             | <0.000623 | 0.0573                 | 0.0153                 |
|                                                                                        | 6/9/2022  | 0.0194                                                                                   | 0.00241 | 0.0228       | 0.0102   | 0.118       | 0.128         | <0.00270                         | <0.000286      | 0.00124          | <0.000195         | <0.000500           | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00104                       | <0.000285          | <0.000396           | <0.000174                | <0.000199           | <0.000481           | 0.0108           | <0.00200    | 0.00304         | <0.000228             | <0.000623 | 0.0366                 | 0.00926                |
|                                                                                        | 6/10      |                                                                                          |         |              |          |             |               |                                  |                |                  |                   |                     |            |               |                 |                 |                               |                    |                     |                          |                     |                     |                  |             |                 |                       |           |                        |                        |

TABLE 1  
GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date      | VOCs (mg/L) |           |              |          |             |               |                                  |                |                  |                   |                     |            |               |                 |                 |                               |                    |                     |                          |                     |                     |                  |             |                 |                       |           |                        |                        |
|----------------------------------------------------------------------------------------|-----------|-------------|-----------|--------------|----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|---------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|---------------------|--------------------------|---------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|
|                                                                                        |           | Benzene     | Toluene   | Ethylbenzene | o-Xylene | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone (2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Tetrachloroethylene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | 1,2-Dichloropropane | cis-1,2-Dichloroethylene | 1,4-Dichlorobenzene | 1,1-Dichloropropene | Isopropylbenzene | Naphthalene | n-Propylbenzene | 1,1,2-Trichloroethane | Styrene   | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |           | 0.005       | 1         | 0.7          | NE       | NE          | 0.62          | NE                               | NE             | NE               | NE                | 0.005               | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | 0.005               | NE                       | 0.075               | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1       | NE                     | NE                     |
| MW-2                                                                                   | 1/4/2023  | 0.0171      | 0.00237   | 0.0141       | 0.00970  | 0.0788      | 0.0885        | <0.00828                         | <0.000644      | 0.000971 J       | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00890          | <0.00135    | 0.00234         | <0.000511             | <0.000655 | 0.0257                 | 0.00599                |
|                                                                                        | 1/13/2023 | 0.0108      | 0.00141   | 0.00784      | 0.00466  | 0.0387      | 0.0434        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00527          | <0.00135    | 0.00122         | <0.000511             | <0.000655 | 0.0123                 | 0.00280                |
|                                                                                        | 1/19/2023 | 0.0140      | 0.00274   | 0.00951      | 0.00742  | 0.0484      | 0.0558        | <0.00828                         | <0.000644      | 0.000586 J       | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00538          | <0.00135    | 0.00141         | <0.000511             | <0.000655 | 0.0129                 | 0.00326                |
|                                                                                        | 1/25/2023 | 0.0115      | 0.00124   | 0.00655      | 0.00433  | 0.0294      | 0.0337        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00327          | <0.00135    | 0.000899 J      | <0.000511             | <0.000655 | 0.00796                | 0.00205                |
|                                                                                        | 2/2/2023  | 0.0138      | 0.00114   | 0.00696      | 0.00447  | 0.0352      | 0.0397        | <0.00828                         | <0.000644      | 0.000511 J       | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00437          | <0.00135    | 0.00111         | <0.000511             | <0.000655 | 0.0103                 | 0.00276                |
|                                                                                        | 2/8/2023  | 0.0165      | 0.00284   | 0.0187       | 0.01190  | 0.0787      | 0.0906        | <0.00828                         | <0.000644      | 0.000970 J       | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00892          | <0.00135    | 0.00274         | <0.000511             | <0.000655 | 0.0232                 | 0.00621                |
|                                                                                        | 2/17/2023 | 0.0139      | 0.00624   | 0.00991      | 0.00823  | 0.0486      | 0.0568        | <0.00828                         | <0.000644      | 0.000616 J       | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.0118         | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00587          | <0.00135    | 0.00146         | <0.000511             | <0.000655 | 0.0151                 | 0.00385                |
|                                                                                        | 2/22/2023 | 0.0153      | 0.0274    | 0.0152       | 0.0146   | 0.0637      | 0.0783        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.0118         | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00543          | <0.00135    | 0.00151         | <0.000511             | <0.000655 | 0.0132                 | 0.00357                |
|                                                                                        | 3/3/2023  | 0.0154      | 0.01280   | 0.0166       | 0.0140   | 0.0714      | 0.0854        | <0.00828                         | <0.000644      | 0.000719 J       | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.0118         | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00716          | <0.00135    | 0.00209         | <0.000511             | <0.000655 | 0.0179                 | 0.00495                |
|                                                                                        | 3/8/2023  | 0.0145      | 0.00263   | 0.00977      | 0.00699  | 0.0473      | 0.0543        | <0.00828                         | <0.000644      | 0.000633 J       | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00648          | <0.00135    | 0.00153         | <0.000511             | <0.000655 | 0.0157                 | 0.00403                |
|                                                                                        | 3/15/2023 | 0.0129      | 0.00265   | 0.0105       | 0.00727  | 0.0393      | 0.0466        | <0.00828                         | <0.000644      | 0.000568 J       | <0.000442         | <0.000801           | <0.00643   | <0.00204      | <0.00118        | <0.000472       | <0.00919                      | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00529          | <0.00135    | 0.00134         | <0.000511             | <0.000655 | 0.0129                 | 0.00348                |
|                                                                                        | 3/23/2023 | 0.0159      | 0.00204   | 0.0154       | 0.00843  | 0.0597      | 0.0681        | <0.00828                         | 0.000671 J     | 0.00120          | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000509          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00972          | <0.00135    | 0.00277         | <0.000511             | <0.000655 | 0.0267                 | 0.00702                |
|                                                                                        | 3/29/2023 | 0.0132      | 0.00207   | 0.00611      | 0.00430  | 0.0168      | 0.0211        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000509          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00255          | <0.00135    | 0.00061 J       | <0.000511             | <0.000655 | 0.00470                | 0.00128                |
|                                                                                        | 4/6/2023  | 0.0145      | 0.00333   | 0.0115       | 0.00862  | 0.0508      | 0.0594        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000509          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00878          | <0.00135    | 0.00197 J       | <0.000511             | <0.000655 | 0.0225                 | 0.00540                |
|                                                                                        | 4/14/2023 | 0.0156      | 0.0161    | 0.0193       | 0.0158   | 0.0719      | 0.0877        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000509          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00792          | <0.00135    | 0.00245         | <0.000511             | <0.000655 | 0.0195                 | 0.00548                |
|                                                                                        | 4/26/2023 | 0.0145      | 0.00380   | 0.0206       | 0.0140   | 0.0685      | 0.0825        | <0.00828                         | 0.000650 J     | 0.00145          | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | 0.000946 J                    | <0.000509          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.0114           | <0.00135    | 0.00356         | <0.000511             | <0.000655 | 0.0348                 | 0.00888                |
|                                                                                        | 5/2/2023  | 0.0121      | 0.00144   | 0.0115       | 0.00647  | 0.0350      | 0.0415        | <0.00828                         | <0.000644      | 0.000716 J       | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00615          | <0.00135    | 0.00169         | <0.000511             | <0.000655 | 0.0149                 | 0.00410                |
|                                                                                        | 5/11/2023 | 0.0133      | 0.00355   | 0.0174       | 0.0123   | 0.0412      | 0.0535        | <0.00828                         | 0.000666 J     | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00753          | <0.00135    | 0.00239         | <0.000511             | <0.000655 | 0.0187                 | 0.00536                |
|                                                                                        | 5/15/2023 | 0.00988     | <0.000475 | 0.00646      | 0.00425  | 0.0253      | 0.0296        | <0.00828                         | <0.000644      | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000509          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00524          | <0.00135    | 0.00122         | <0.000511             | <0.000655 | 0.0137                 | 0.00304                |
|                                                                                        | 5/25/2023 | 0.0164      | 0.00150   | 0.0185       | 0.0106   | 0.0581      | 0.0687        | <0.00828                         | <0.000644      | 0.00148          | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | 0.00109                       | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.0114           | <0.00135    | 0.00337         | <0.000511             | <0.000655 | 0.0334                 | 0.00887                |
|                                                                                        | 5/30/2023 | 0.0122      | 0.00197   | 0.0199       | 0.00741  | 0.0249      | 0.0323        | <0.00828                         | <0.000644      | 0.000558 J       | 0.000690 J        | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00455          | <0.00135    | 0.00138         | <0.000511             | <0.000655 | 0.0103                 | 0.00300                |
|                                                                                        | 6/9/2023  | 0.0180      | 0.00256   | 0.0196       | 0.0129   | 0.0666      | 0.0795        | <0.00828                         | 0.00104        | 0.00151          | <0.000442         | <0.000801           | <0.000643  | 0.00299 J     | <0.00118        | <0.000472       | 0.00115                       | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.0114           | <0.00135    | 0.00349         | <0.000511             | <0.000655 | 0.0433                 | 0.0105                 |
|                                                                                        | 6/15/2023 | 0.0123      | 0.00201   | 0.0144       | 0.00962  | 0.0404      | 0.0500        | <0.00828                         | 0.000779 J     | <0.000468        | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00809          | <0.00135    | 0.00229         | <0.000511             | <0.000655 | 0.0248                 | 0.00690                |
|                                                                                        | 6/23/2023 | 0.0172      | 0.00375   | 0.0266       | 0.0191   | 0.0738      | 0.0929        | <0.00828                         | 0.00100        | 0.00117          | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | <0.000919                     | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.0110           | <0.00135    | 0.00325         | <0.000511             | <0.000655 | 0.0320                 | 0.00823                |
|                                                                                        | 6/26/2023 | 0.0161      | 0.00327   | 0.0163       | 0.0148   | 0.0553      | 0.0701        | <0.00828                         | <0.000644      | 0.00105          | <0.000442         | <0.000801           | <0.000643  | <0.00204      | <0.00118        | <0.000472       | 0.000958 J                    | <0.000590          | <0.000667           | <0.000714                | <0.000513           | <0.00160            | 0.00672          | <0.00135    | 0.00234         | <0.000511             | <0.000655 | 0.0330                 | 0.00840                |

NOTES:  
VOCs - volatile organic compounds  
mg/L - milligrams per Liter  
NA - not analyzed  
NE - not established  
J - The target analyte was positively identified below the quantitation limit and above the detection limit.  
Concentrations highlighted in yellow exceed the NMAC Human Health Standards



TABLE 2  
GROUNDWATER SAMPLING (General Water Chemistry) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date       | (mg/L)  |          |          |              |              |         |         |           |           |        |                        |                                    |                                  | %                    | SU   |
|----------------------------------------------------------------------------------------|------------|---------|----------|----------|--------------|--------------|---------|---------|-----------|-----------|--------|------------------------|------------------------------------|----------------------------------|----------------------|------|
|                                                                                        |            | Bromide | Chloride | Fluoride | Nitrate as N | Nitrite as N | Sulfate | Calcium | Magnesium | Potassium | Sodium | Total Dissolved Solids | Alkalinity, Bicarbonate (as CaCO3) | Alkalinity, Carbonate (as CaCO3) | Cation-Anion Balance | pH   |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |            | NE      | 250.0    | 1.6      | 10.0         | 1.0          | NE      | NE      | NE        | NE        | NE     | 1,000.0                | NE                                 | NE                               | NE                   | 6-9  |
| Levey Well                                                                             | 12/6/2019  | <0.500  | 253      | <0.500   | 0.594        | 0.199        | 61.5    | 405     | 65.0      | 5.27      | 83.7   | 1,680                  | 1,260                              | <4.00                            | 2.70                 | 6.45 |
|                                                                                        | 12/13/2019 | <0.500  | 315      | <0.500   | 0.744        | 0.222        | 72.9    | 450     | 80.1      | 6.71      | 110    | 1,900                  | 1,230                              | <4.00                            | 2.00                 | 7.02 |
|                                                                                        | 12/19/2019 | 0.414 J | 311      | 0.381 J  | 0.539        | <0.0293      | 62.9    | 411     | 72.2      | 5.61      | 101    | 1,640                  | 1,140                              | <4.00                            | 0.200                | 6.57 |
|                                                                                        | 12/26/2019 | <0.500  | 257      | <0.500   | 0.617        | 0.204        | 61.7    | 418     | 68.8      | 5.82      | 88.5   | 1,760                  | 1,280                              | <4.00                            | 1.30                 | 6.44 |
|                                                                                        | 1/2/2020   | <0.500  | 302      | <0.500   | 0.331        | <0.100       | 60.6    | 375     | 70.5      | 5.96      | 98.8   | 1,630                  | 1,150                              | <4.00                            | 2.40                 | 6.83 |
|                                                                                        | 1/15/2020  | <0.500  | 190      | 0.559    | 0.129        | 0.930        | 53.5    | 401     | 66.8      | 4.82      | 82.9   | 1,570                  | 1,260                              | <4.00                            | 0                    | 6.35 |
|                                                                                        | 1/23/2020  | <0.500  | 195      | 0.617    | 0.126        | 0.128        | 46.2    | 426     | 76.3      | 8.84      | 86.4   | 1,530                  | 1,230                              | <4.00                            | 1.60                 | 6.21 |
|                                                                                        | 1/31/2020  | <0.500  | 197      | 0.616    | 0.129        | <0.100       | 48.5    | 446     | 79.1      | 7.43      | 89.5   | 1,440                  | 1,230                              | <4.00                            | 3.20                 | 6.15 |
|                                                                                        | 2/6/2020   | <0.500  | 316      | <0.500   | 0.179        | <0.100       | 64.2    | 430     | 76.0      | 7.60      | 101    | 1,100                  | 1,180                              | <4.00                            | 1.10                 | 6.07 |
|                                                                                        | 2/13/2020  | <2.50   | 293      | 0.623    | 0.178        | <0.500       | 57.3    | 409     | 74.5      | 6.80      | 95.7   | 1,640                  | 1,200                              | <4.00                            | 0.300                | 6.04 |
|                                                                                        | 2/20/2020  | <0.500  | 272      | 0.586    | 0.157        | <0.100       | 49.6    | 421     | 71.4      | 6.38      | 91.4   | 1,690                  | 1,220                              | <4.00                            | 0.300                | 5.93 |
|                                                                                        | 2/28/2020  | <0.500  | 307      | <0.500   | 1.05         | 1.35         | 56.6    | 438     | 74.0      | 5.98      | 97.4   | 1,620                  | 1,230                              | <4.00                            | 0.400                | 6.12 |
|                                                                                        | 3/6/2020   | <0.500  | 284      | 0.621    | 0.107        | 1.27         | 56.2    | 418     | 67.9      | 5.60      | 92.7   | 1,880                  | 1,230                              | <4.00                            | 0.800                | 6.26 |
|                                                                                        | 3/13/2020  | <0.500  | 316      | 0.629    | <0.100       | <0.100       | 59.3    | 393     | 63.3      | 5.32      | 91.2   | 1,770                  | 1,200                              | <4.00                            | 4.30                 | 6.23 |
|                                                                                        | 3/18/2020  | 0.533   | 332      | 0.642    | 0.128        | <0.100       | 63.5    | 391     | 67.4      | 5.56      | 95.7   | 1,680                  | 1,180                              | <4.00                            | 3.80                 | 6.44 |
|                                                                                        | 3/27/2020  | 0.533   | 324      | 0.728    | <0.100       | <0.100       | 57.6    | 418     | 70.3      | 5.91      | 105    | 1,610                  | 1,180                              | <4.00                            | 0.200                | 6.57 |
|                                                                                        | 4/3/2020   | <0.500  | 304      | 0.807    | 0.110        | <0.100       | 57.3    | 417     | 69.0      | 5.91      | 101    | 1,960                  | 1,180                              | <4.00                            | 0.200                | 6.37 |
|                                                                                        | 4/10/2020  | 0.575   | 351      | 0.612    | 0.172        | <0.100       | 61.8    | 431     | 72.3      | 6.17      | 104    | 1,930                  | 1,190                              | <4.00                            | 0.600                | 6.73 |
|                                                                                        | 4/17/2020  | 0.590   | 353      | 0.691    | 0.165        | <0.100       | 59.7    | 406     | 73.2      | 5.40      | 108    | 1,750                  | 1,180                              | <4.00                            | 1.70                 | 6.51 |
|                                                                                        | 4/24/2020  | 0.595   | 370      | 0.723    | 0.152        | <0.100       | 61.2    | 408     | 75.2      | 5.55      | 113    | 1,810                  | 1,130                              | <4.00                            | 0.600                | 6.32 |
|                                                                                        | 5/1/2020   | 0.576   | 376      | 0.686    | 0.140        | <0.100       | 61.8    | 402     | 74.6      | 5.39      | 106    | 1,750                  | 1,130                              | <4.00                            | 1.90                 | 6.37 |
|                                                                                        | 5/7/2020   | 0.517   | 365      | 0.675    | 0.163        | <0.100       | 58.8    | 425     | 70.5      | 5.57      | 108    | 1,640                  | 1,140                              | <4.00                            | 0.00                 | 6.55 |
|                                                                                        | 5/14/2020  | 0.571   | 409      | 0.585    | 0.160        | <0.100       | 56.0    | 412     | 76.5      | 6.23      | 107    | 1,900                  | 1,200                              | <4.00                            | 3.70                 | 6.34 |
|                                                                                        | 5/22/2020  | 0.531   | 319      | 0.561    | 1.550        | <0.100       | 30.1    | 354     | 63.7      | 5.24      | 97.4   | 1,360                  | 1,190                              | <4.00                            | 6.10                 | 6.54 |
|                                                                                        | 5/26/2020  | 0.549   | 357      | 0.688    | 0.153        | <0.100       | 44.5    | 356     | 69.6      | 5.67      | 102    | 1,650                  | 1,170                              | <4.00                            | 6.30                 | 6.42 |
|                                                                                        | 6/5/2020   | 0.640   | 417      | 0.535    | 0.139        | <0.100       | 39.9    | 379     | 73.3      | 5.92      | 108    | 1,670                  | 1,160                              | <4.00                            | 5.90                 | 6.30 |
|                                                                                        | 6/12/2020  | 0.602   | 359      | 0.697    | 0.145        | <0.100       | 43.9    | 386     | 72.4      | 6.70      | 106    | 1,670                  | 1,140                              | <4.00                            | 2.40                 | 6.22 |
|                                                                                        | 6/18/2020  | 0.576   | 431      | <5.00    | 0.144        | <0.100       | 39.5    | 418     | 78.8      | 6.23      | 115    | 1,800                  | 1,180                              | <4.00                            | 2.40                 | 6.28 |
|                                                                                        | 6/23/2020  | 0.586   | 398      | <5.00    | 0.136        | <0.100       | 33.3    | 361     | 66.3      | 5.48      | 98.2   | 1,920                  | 1,190                              | <4.00                            | 8.40                 | 6.23 |
|                                                                                        | 6/30/2020  | 0.695   | 431      | <5.00    | 0.149        | <0.100       | 37.9    | 437     | 78.6      | 6.70      | 113    | 1,830                  | 1,170                              | <4.00                            | 2.60                 | 6.39 |
|                                                                                        | 7/9/2020   | 0.647   | 413      | <5.00    | 0.147        | 0.215        | 40.5    | 421     | 78.5      | 6.58      | 114    | 1,790                  | 1,170                              | <4.00                            | 1.50                 | 6.37 |
|                                                                                        | 7/16/2020  | 0.657   | 390      | <5.00    | 0.128        | <0.100       | 40.6    | 402     | 77.6      | 7.01      | 114    | 1,890                  | 1,170                              | <4.00                            | 1.90                 | 6.34 |
|                                                                                        | 7/23/2020  | 0.621   | 396      | <5.00    | 0.175        | 0.169        | 36.5    | 419     | 74.0      | 6.58      | 111    | 2,000                  | 1,160                              | <4.00                            | 1.10                 | 6.22 |
|                                                                                        | 7/30/2020  | 0.669   | 390      | 0.625    | 0.181        | <0.100       | 39.3    | 397     | 71.4      | 5.59      | 103    | 1,910                  | 1,170                              | <4.00                            | 3.70                 | 6.18 |
|                                                                                        | 8/7/2020   | 0.631   | 387      | 0.526    | 0.186        | 1.75         | 36.1    | 404     | 79.5      | 6.73      | 111    | 1,810                  | 1,150                              | <4.00                            | 0.900                | 6.12 |
|                                                                                        | 8/13/2020  | 0.713   | 408      | 0.505    | 0.191        | 1.45         | 34.9    | 368     | 75.1      | 6.54      | 115    | 1,980                  | 1,150                              | <4.00                            | 5.00                 | 6.26 |
|                                                                                        | 8/20/2020  | 0.690   | 449      | <0.500   | 0.164        | <0.100       | 38.7    | 389     | 69.0      | 5.99      | 113    | 2,000                  | 1,090                              | <4.00                            | 4.40                 | 6.18 |
|                                                                                        | 8/27/2020  | 0.846   | 582      | <0.500   | 0.158        | 1.68         | 49.4    | 446     | 82.6      | 7.17      | 161    | 2,570                  | 973                                | <4.00                            | 1.50                 | 6.35 |
|                                                                                        | 9/2/2020   | 0.868   | 635      | <0.500   | 0.159        | <0.100       | 48.1    | 422     | 77.9      | 7.25      | 168    | 1,620                  | 1,030                              | <4.00                            | 3.40                 | 6.30 |
|                                                                                        | 9/10/2020  | 0.714   | 499      | <0.500   | <0.100       | 1.61         | 41.9    | 387     | 79.4      | 6.53      | 133    | 1,980                  | 1,090                              | <4.00                            | 4.20                 | 6.10 |
|                                                                                        | 9/17/2020  | 0.769   | 472      | <0.500   | 0.272        | 1.06         | 40.8    | 467     | 73.4      | 6.45      | 119    | 1,930                  | 1,110                              | <4.00                            | 1.10                 | 6.14 |
|                                                                                        | 9/25/2020  | 0.779   | 541      | <0.500   | 0.150        | <0.100       | 44.0    | 386     | 75.9      | 5.86      | 133    | 1,680                  | 1,110                              | <4.00                            | 6.70                 | 6.17 |
|                                                                                        | 10/1/2020  | 0.721   | 466      | <0.500   | 0.173        | <0.100       | 41.4    | 398     | 75.5      | 6.25      | 124    | 1,940                  | 1,110                              | <4.00                            | 3.30                 | 6.07 |
|                                                                                        | 10/9/2020  | 0.786   | 527      | <0.500   | 0.161        | <0.100       | 43.8    | 426     | 79.8      | 6.90      | 139    | 2,220                  | 1,090                              | <4.00                            | 1.90                 | 6.21 |
|                                                                                        | 10/16/2020 | 0.595   | 460      | 0.511    | <0.100       | <2.00        | 45.7    | 376     | 72.5      | 5.90      | 122    | 2,020                  | 1,080                              | <4.00                            | 4.80                 | 6.20 |
|                                                                                        | 11/24/2020 | 0.817   | 572      | <0.500   | 0.124        | 2.07         | 37.5    | 438     | 79.6      | 6.56      | 141    | 2,200                  | 1,100                              | <4.00                            | 2.60                 | 6.45 |
|                                                                                        | 12/4/2020  | 0.687   | 706      | <0.500   | 0.142        | 3.27         | 30.9    | 405     | 75.8      | 7.09      | 143    | 2,000                  | 1,050                              | <4.00                            | 9.30                 | 6.33 |
|                                                                                        | 12/11/2020 | 0.816   | 487      | 0.949    | 0.197        | 1.80         | 33.4    | 445     | 82.0      | 6.90      | 133    | 1,990                  | 1,160                              | <4.00                            | 0.200                | 6.20 |
|                                                                                        | 12/18/2020 | 0.763   | 497      | <5.00    | 0.129        | 1.87         | 37.6    | 424     | 79.5      | 6.97      | 137    | 1,910                  | 1,180                              | <4.00                            | 2.70                 | 6.39 |
|                                                                                        | 12/23/2020 | 0.613   | 477      | <5.00    | 0.108        | <0.100       | 38.3    | 416     | 78.2      | 7.82      | 129    | 1,800                  | 1,290                              | <4.00                            | 5.70                 | 6.22 |
| 12/30/2020                                                                             | 0.712      | 493     | <0.500   | <0.100   | <0.100       | 40.1         | 448     | 80.0    | 6.21      | 139       | 2,120  | 1,340                  | <4.00                              | 4.40                             | 6.14                 |      |
| 1/6/2021                                                                               | 0.784      | 504     | <0.500   | 0.155    | 2.61         | 23.0         | 400     | 79.8    | 6.14      | 135       | 2,2    |                        |                                    |                                  |                      |      |



TABLE 2  
GROUNDWATER SAMPLING (General Water Chemistry) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date       | (mg/L)                                                                                    |          |          |              |              |         |         |           |           |        |                        |                                    |                                  | %                    | SU  |
|----------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------|----------|----------|--------------|--------------|---------|---------|-----------|-----------|--------|------------------------|------------------------------------|----------------------------------|----------------------|-----|
|                                                                                        |            | Bromide                                                                                   | Chloride | Fluoride | Nitrate as N | Nitrite as N | Sulfate | Calcium | Magnesium | Potassium | Sodium | Total Dissolved Solids | Alkalinity, Bicarbonate (as CaCO3) | Alkalinity, Carbonate (as CaCO3) | Cation-Anion Balance | pH  |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |            | NE                                                                                        | 250.0    | 1.6      | 10.0         | 1.0          | NE      | NE      | NE        | NE        | NE     | 1,000.0                | NE                                 | NE                               | NE                   | 6-9 |
| Levey Well                                                                             | 6/2/2021   | 0.712                                                                                     | 488      | 0.303 J  | 0.128        | <0.0293      | 23.7    | 447     | 82.8      | 7.43      | 139    | 2,140                  | 1,120                              | <4.00                            | -4.83                | 6.3 |
|                                                                                        | 6/10/2021  | 0.415 J                                                                                   | 247      | 1.10     | 0.124        | 1.38         | 22.2    | 273     | 54.9      | 4.90      | 84.8   | 1,270                  | 669                                | <4.00                            | -2.53                | 6.5 |
|                                                                                        | 6/16/2021  | 0.405 J                                                                                   | 227      | 0.946    | 0.125        | <0.0293      | 11.5    | 267     | 56.0      | 4.64      | 84.4   | 1,500                  | 723                                | <4.00                            | -3.70                | 6.7 |
|                                                                                        | 6/22/2021  | 0.405 J                                                                                   | 230      | 1.00     | 0.117        | 1.67         | 28.9    | 298     | 53.1      | 4.74      | 80.7   | 1,230                  | 657                                | <4.00                            | 0.795                | 6.7 |
|                                                                                        | 6/30/2021  | 0.398 J                                                                                   | 237      | 1.07     | 0.140        | 0.205        | 23.8    | 258     | 51.9      | 4.32      | 74.6   | 1,200                  | 676                                | <4.00                            | -5.560               | 6.9 |
|                                                                                        | 7/1/2021   | Levey Well Now Running Full Time                                                          |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |     |
|                                                                                        | 7/7/2021   | 0.469 J                                                                                   | 305      | 0.705    | 0.128        | <0.0293      | 41.3    | 337     | 67.2      | 5.46      | 96.3   | 1,780                  | 764                                | <4.00                            | -0.751               | 6.6 |
|                                                                                        | 7/14/2021  | 0.446 J                                                                                   | 297      | 0.753    | 0.151        | 0.167        | 41.6    | 323     | 61.9      | 4.56      | 87.0   | 1,200                  | 785                                | <4.00                            | -3.73                | 6.4 |
|                                                                                        | 7/20/2021  | 0.180 J                                                                                   | 290      | 0.223 J  | 0.0457 J     | <0.0293      | 38.2    | 317     | 65.9      | 5.31      | 96.1   | 1,620                  | 854                                | <4.00                            | -5.11                | 6.4 |
|                                                                                        | 7/27/2021  | 0.437 J                                                                                   | 281      | 0.491 J  | 0.126        | 1.42         | 41.3    | 338     | 66.9      | 5.14      | 95.9   | 1,240                  | 790                                | <4.00                            | -0.522               | 6.2 |
|                                                                                        | 8/5/2021   | 0.400 J                                                                                   | 275      | 0.565    | 0.158        | <0.0293      | 43.3    | 334     | 68.8      | 5.00      | 90.9   | 1,610                  | 714                                | <4.00                            | 2.12                 | 6.6 |
|                                                                                        | 8/11/2021  | 0.446 J                                                                                   | 261      | 0.512    | 0.154        | 1.81         | 43.2    | 298     | 64.8      | 4.96      | 89.8   | 1,470                  | 764                                | <4.00                            | -3.46                | 6.4 |
|                                                                                        | 8/19/2021  | 0.583                                                                                     | 380      | 0.357 J  | 0.177        | 0.694        | 39.1    | 336     | 68.2      | 6.69      | 111    | 2,030                  | 769                                | <4.00                            | -3.85                | 6.6 |
|                                                                                        | 8/25/2021  | 0.483 J                                                                                   | 249      | 0.680    | 0.125        | 1.13         | 41.4    | 305     | 59.6      | 4.65      | 83.9   | 1,050                  | 698                                | <4.00                            | -0.532               | 6.6 |
|                                                                                        | 9/2/2021   | 0.418 J                                                                                   | 233      | 0.688    | 0.110        | 0.147        | 20.1    | 287     | 52.2      | 3.98      | 75.2   | 1,140                  | 588                                | <4.00                            | 2.27                 | 7.0 |
|                                                                                        | 9/8/2021   | 0.357 J                                                                                   | 257      | 0.442 J  | 0.0997 J     | 1.20         | 43.4    | 300     | 61.8      | 4.83      | 87.3   | 1,360                  | 703                                | <4.00                            | -1.15                | 6.6 |
|                                                                                        | 9/14/2021  | 0.372 J                                                                                   | 250      | 0.511    | 0.118        | 1.11         | 42.3    | 285     | 58.7      | 4.81      | 81.7   | 988                    | 730                                | <4.00                            | -4.44                | 6.4 |
|                                                                                        | 9/21/2021  | 0.546                                                                                     | 227      | 0.951    | 0.224        | <0.0293      | 37.4    | 313     | 68.2      | 5.30      | 97.5   | 1,080                  | 610                                | <4.00                            | 7.72                 | 6.6 |
|                                                                                        | 9/29/2021  | 0.535                                                                                     | 248      | 0.542    | 0.186        | 0.164        | 41.9    | 302     | 59.9      | 4.60      | 85.4   | 1,410                  | 765                                | <4.00                            | -2.94                | 6.6 |
|                                                                                        | 10/7/2021  | 0.454 J                                                                                   | 235      | 0.582    | 1.10         | <0.0293      | 40.5    | 323     | 65.5      | 4.79      | 88.3   | 1,310                  | 765                                | <4.00                            | 0.449                | 6.6 |
|                                                                                        | 10/13/2021 | 0.459 J                                                                                   | 238      | 0.608    | 0.198        | 1.10         | 40.9    | 252     | 52.7      | 3.97      | 75.6   | 1,030                  | 765                                | <4.00                            | -10.6                | 6.7 |
|                                                                                        | 10/21/2021 | 0.470 J                                                                                   | 227      | 0.557    | 0.143        | <0.0293      | 36.9    | 238     | 51.0      | 3.54      | 72.5   | 1,250                  | 722                                | <4.00                            | -10.2                | 6.5 |
|                                                                                        | 10/27/2021 | 0.444 J                                                                                   | 238      | 0.469 J  | 0.193        | 0.0910 J     | 42.5    | 330     | 67.2      | 5.31      | 94.2   | 1,290                  | 706                                | <4.00                            | 3.95                 | 6.7 |
|                                                                                        | 11/5/2021  | 0.367 J                                                                                   | 231      | 1.45     | 0.220        | <0.0293      | 41.7    | 328     | 63.6      | 5.06      | 90.7   | 1,050                  | 657                                | <4.00                            | 5.76                 | 6.9 |
|                                                                                        | 11/11/2021 | 0.379 J                                                                                   | 229      | 0.594    | 0.238        | <0.0293      | 36.9    | 221     | 48.1      | 3.36      | 71.5   | 1,140                  | 571                                | <4.00                            | -5.92                | 7.0 |
|                                                                                        | 11/18/2021 | 0.560                                                                                     | 247      | 0.397 J  | 0.176        | <0.0293      | 44.3    | 276     | 50.8      | 4.29      | 76.4   | 1,350                  | 698                                | <4.00                            | -5.71                | 6.6 |
|                                                                                        | 11/24/2021 | 0.455 J                                                                                   | 232      | 0.646    | 0.203        | 0.718        | 41.9    | 253     | 52.5      | 4.07      | 76.6   | 1,240                  | 546                                | <4.00                            | -0.200               | 6.6 |
|                                                                                        | 12/1/2021  | 0.497 J                                                                                   | 233      | 0.652    | 0.144        | <0.0293      | 42.0    | 284     | 55.9      | 4.31      | 82.4   | 1,040                  | 644                                | <4.00                            | -0.133               | 6.9 |
|                                                                                        | 12/8/2021  | 0.516                                                                                     | 230      | 0.620    | 0.187        | <0.0293      | 42.5    | 261     | 55.8      | 4.20      | 82.9   | 1,200                  | 633                                | <4.00                            | -1.56                | 6.5 |
|                                                                                        | 12/16/2021 | 0.490 J                                                                                   | 228      | 0.528    | 0.251        | <0.0293      | 42.1    | 282     | 55.3      | 4.13      | 81.9   | 1,280                  | 649                                | <4.00                            | -0.883               | 6.4 |
|                                                                                        | 12/22/2021 | 0.480 J                                                                                   | 230      | 0.294 J  | 0.223        | <0.0293      | 43.3    | 304     | 58.5      | 4.66      | 85.8   | 1,270                  | 619                                | <4.00                            | 3.67                 | 6.4 |
|                                                                                        | 12/29/2021 | 0.476 J                                                                                   | 225      | 0.588    | 0.224        | <0.0293      | 43.8    | 300     | 57.5      | 4.69      | 84.9   | 1,220                  | 657                                | <4.00                            | 1.62                 | 6.6 |
|                                                                                        | 1/6/2022   | 0.386 J                                                                                   | 226      | 0.500    | 0.182        | <0.0293      | 42.7    | 278     | 52.9      | 4.11      | 79.0   | 1,650                  | 711                                | <4.00                            | -4.09                | 6.4 |
|                                                                                        | 1/12/2022  | 0.438 J                                                                                   | 223      | 0.561    | 0.178        | <0.0293      | 42.8    | 254     | 49.2      | 3.60      | 71.9   | 1,090                  | 633                                | <4.00                            | -4.90                | 6.1 |
|                                                                                        | 1/19/2022  | 0.446 J                                                                                   | 223      | 0.523    | 0.178        | <0.0293      | 43.6    | 288     | 57.2      | 4.34      | 80.1   | 1,780                  | 688                                | <4.00                            | -1.41                | 6.3 |
|                                                                                        | 1/26/2022  | 0.440 J                                                                                   | 220      | 0.580    | 0.181        | 0.0834 J     | 41.7    | 286     | 56.4      | 4.50      | 85.1   | 1,140                  | 706                                | <4.00                            | -1.64                | 6.4 |
|                                                                                        | 2/2/2022   | Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze. |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |     |
|                                                                                        | 2/8/2022   | 0.780                                                                                     | 329      | 1.24     | <0.0391      | 0.420        | 62.0    | 272     | 58.5      | 4.77      | 97.0   | 1,410                  | 756                                | <4.00                            | -11.40               | 6.5 |
|                                                                                        | 2/16/2022  | 0.488 J                                                                                   | 217      | 0.769    | 0.0551 J     | 0.349        | 27.9    | 212     | 46.2      | 3.76      | 74.5   | 1,070                  | 555                                | <4.00                            | -6.59                | 6.6 |
|                                                                                        | 2/25/2022  | 0.726                                                                                     | 484      | 0.902    | 0.141        | <0.0293      | 31.2    | 429     | 78.2      | 6.80      | 139    | 1,960                  | 1,210                              | <4.00                            | -9.05                | 6.4 |
|                                                                                        | 3/3/2022   | 0.606                                                                                     | 380      | 1.76     | 0.220        | 0.175        | 39.8    | 410     | 78.2      | 7.36      | 137    | 2,130                  | 1,190                              | <4.00                            | -6.76                | 6.3 |
|                                                                                        | 3/9/2022   | 0.507                                                                                     | 355      | 1.10     | 0.147        | <0.0293      | 42.6    | 422     | 79.4      | 7.55      | 129    | 1,820                  | 1,160                              | <4.00                            | -4.98                | 6.3 |
|                                                                                        | 3/14/2022  | Booster Pump for Levey Well Repaired and Back on Running Full Time.                       |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |     |
|                                                                                        | 3/16/2022  | 0.380 J                                                                                   | 229      | 0.464 J  | 0.208        | <0.0293      | 42.2    | 258     | 55.9      | 4.48      | 85.6   | 1,190                  | 673                                | <4.00                            | -4.29                | 6.4 |
|                                                                                        | 3/24/2022  | 0.539                                                                                     | 230      | 0.709    | <0.0391      | <0.0293      | 43.4    | 252     | 51.3      | 4.07      | 81.5   | 1,390                  | 644                                | <4.00                            | -4.80                | 6.5 |
|                                                                                        | 3/31/2022  | 0.515                                                                                     | 223      | 0.690    | 0.239        | <0.0293      | 44.0    | 245     | 52.7      | 3.79      | 77.2   | 1,220                  | 641                                | <4.00                            | -5.18                | 6.4 |
|                                                                                        | 4/6/2022   | 0.540                                                                                     | 218      | 0.868    | 0.0931 J     | <0.0293      | 42.4    | 256     | 50.3      | 3.90      | 76.6   | 1,220                  | 619                                | <4.00                            | -2.94                | 6.4 |
|                                                                                        | 4/13/2022  | 0.400 J                                                                                   | 212      | 0.773    | 0.111        | <0.0293      | 42.0    | 256     | 51.3      | 3.87      | 74.5   | 1,200                  | 650                                | <4.00                            | -3.94                | 6.6 |
|                                                                                        | 4/20/2022  | 0.496 J                                                                                   | 218      | 0.651    | 0.268        | <0.0293      | 44.6    | 238     | 48.7      | 4.05      | 75.0   | 1,260                  | 686                                | <4.00                            | -8.77                | 6.6 |
|                                                                                        | 4/28/2022  | 0.477 J                                                                                   | 214      | 0.690    | 0.104        | <0.0293      | 43.2    | 272     | 55.4      | 4.43      | 84.3   | 1,140                  | 658                                | <4.00                            | -1.11                | 6.8 |
| 5/5/2022                                                                               | 0.352 J    | 217                                                                                       | 0.567    | 0.737 J  | 1.93         | 41.8         | 233     | 49.1    | 3.67      | 82.4      | 1,210  | 659                    | <4.00                              | -7.39                            | 6.6                  |     |
| 5/10/2022                                                                              | 0.589      | 219                                                                                       | 0.643    | 0.100    | <0.0293      | 44.6         | 301     | 61.6    | 4.74      | 90.5      | 1,080  | 652                    | <4.00                              | 2.74                             | 6.4                  |     |
| 5/19/2022                                                                              | 0.551      | 217                                                                                       | 0.519    | <0.0391  | <0.0293      | 45.9         | 242     | 51.7    | 4.08      | 74.8      | 1,040  | 421                    | <4.00                              | 5.76                             | 6.7                  |     |
| 5/26/2022                                                                              | 0.606      | 212                                                                                       | 0.714    | 0.0986 J | 2.77         | 41.2         | 215     | 38.7    | 2.93      | 66.7      | 1,240  | 683                    | <4.00                              | -11.5                            | 6.2                  |     |
| 6/1/2022                                                                               | 0.449 J    | 205                                                                                       | 0.788    | 0.0622 J | <0.0293      | 37.2         | 219     | 42.0    | 3.22      | 67.7      | 1,100  | 402                    | <4.00                              | 2.15                             | 7.0                  |     |
| 6/9/2022                                                                               | 0.395 J    | 215                                                                                       | 0.332 J  | 0.0721 J | <0.0293      | 44.2         | 295     | 53.3    | 4.27      | 80.9      | 1,170  | 712                    | <4.00                              | -1.83                            | 6.3                  |     |
| 6/17/2022                                                                              | 0.282 J    | 204                                                                                       | 0.643    | 0.151    | &lt          |              |         |         |           |           |        |                        |                                    |                                  |                      |     |





TABLE 2  
GROUNDWATER SAMPLING (General Water Chemistry) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date       | (mg/L)                                |          |          |              |              |         |         |           |           |        |                        |                                    |                                  | %                    | SU  |
|----------------------------------------------------------------------------------------|------------|---------------------------------------|----------|----------|--------------|--------------|---------|---------|-----------|-----------|--------|------------------------|------------------------------------|----------------------------------|----------------------|-----|
|                                                                                        |            | Bromide                               | Chloride | Fluoride | Nitrate as N | Nitrite as N | Sulfate | Calcium | Magnesium | Potassium | Sodium | Total Dissolved Solids | Alkalinity, Bicarbonate (as CaCO3) | Alkalinity, Carbonate (as CaCO3) | Cation-Anion Balance | pH  |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |            | NE                                    | 250.0    | 1.6      | 10.0         | 1.0          | NE      | NE      | NE        | NE        | NE     | 1,000.0                | NE                                 | NE                               | NE                   | 6-9 |
| Levey Well                                                                             | 10/4/2022  | 0.515                                 | 200      | 0.740    | 0.396        | <0.0293      | 45.0    | 242     | 50.2      | 4.07      | 78.2   | 706                    | 456                                | <4.00                            | 4.21                 | 6.6 |
|                                                                                        | 10/14/2022 | 0.495 J                               | 212      | 0.655    | 0.464        | <0.0293      | 49.1    | 208     | 42.7      | 3.22      | 68.5   | 1,250                  | 719                                | <4.00                            | -16.5                | 6.3 |
|                                                                                        | 10/19/2022 | 1.08 J                                | 206      | 0.612 J  | 0.359        | <0.0293      | 46.0    | 250     | 51.3      | 4.05      | 81.9   | 1,340                  | 676                                | <4.00                            | -5.64                | 6.6 |
|                                                                                        | 10/27/2022 | 0.412 J                               | 201      | 0.631    | 0.0757 J     | 0.690        | 40.1    | 322     | 64.8      | 5.47      | 95.2   | 977                    | 740                                | <4.00                            | 3.53                 | 6.4 |
|                                                                                        | 11/2/2022  | 0.473 J                               | 216      | 0.509    | 0.165        | <0.0293      | 46.1    | 247     | 49.2      | 4.26      | 76.4   | 1,230                  | 681                                | <4.00                            | -6.86                | 6.3 |
|                                                                                        | 11/9/2022  | 0.461 J                               | 218      | 0.683    | 0.0934 J     | <0.0293      | 46.5    | 238     | 44.2      | 3.36      | 73.3   | 1,450                  | 708                                | <4.00                            | -11.0                | 6.5 |
|                                                                                        | 11/16/2022 | 0.480 J                               | 219      | 0.493 J  | 0.154        | <0.0293      | 47.5    | 250     | 50.0      | 4.20      | 78.0   | 1,340                  | 611                                | <4.00                            | -3.43                | 6.8 |
|                                                                                        | 11/30/2022 | 0.487 J                               | 218      | 0.710    | 0.0811 J     | <0.0293      | 44.9    | 208     | 43.2      | 3.12      | 70.9   | 1,270                  | 618                                | <4.00                            | -11.7                | 6.7 |
|                                                                                        | 12/9/2022  | 0.335 J                               | 206      | 0.685    | 0.153        | 0.108        | 40.5    | 244     | 49.3      | 3.61      | 62.9   | 1,170                  | 626                                | <4.00                            | -5.72                | 6.5 |
|                                                                                        | 12/15/2022 | 0.311 J                               | 211      | 0.628    | 0.137        | <0.0293      | 40.5    | 254     | 48.3      | 4.05      | 76.3   | 956                    | 440                                | <4.00                            | 6.29                 | 6.3 |
|                                                                                        | 12/21/2022 | 0.392 J                               | 214      | 0.732    | 0.144        | <0.0293      | 44.5    | 258     | 49.1      | 4.69      | 80.4   | 1,130                  | 656                                | <4.00                            | -3.79                | 6.5 |
|                                                                                        | 12/29/2022 | 0.515                                 | 209      | 0.568    | 10.4         | 2.66         | 43.5    | 242     | 45.9      | 3.93      | 74.9   | 1,060                  | 670                                | <4.00                            | -7.08                | 6.6 |
|                                                                                        | 1/4/2023   | Electrical Failure, Unable to Sample. |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |     |
|                                                                                        | 1/13/2023  | 0.562                                 | 292      | 0.202 J  | 0.227        | <0.0293      | 35.2    | 393     | 71.7      | 6.96      | 125    | 1,800                  | 949                                | <4.00                            | 1.05                 | 6.4 |
|                                                                                        | 1/19/2023  | 0.658                                 | 304      | 0.191 J  | 0.109        | <0.0293      | 53.7    | 450     | 84.0      | 7.71      | 133    | 1,730                  | 1,140                              | <4.00                            | 0.441                | 6.3 |
|                                                                                        | 1/25/2023  | 0.525                                 | 298      | 0.207 J  | 0.0992 J     | <0.0293      | 46.7    | 416     | 72.6      | 6.84      | 119    | 1,760                  | 1,110                              | <4.00                            | -2.84                | 6.7 |
|                                                                                        | 2/2/2023   | 0.609                                 | 309      | <0.100   | 0.256        | <0.0293      | 43.5    | 366     | 69.4      | 6.39      | 113    | 1,680                  | 1,120                              | <4.00                            | -8.22                | 6.4 |
|                                                                                        | 2/8/2023   | 0.514                                 | 224      | 0.443 J  | 0.108        | <0.0293      | 44.6    | 228     | 46.7      | 4.18      | 78.0   | 1,230                  | 704                                | <4.00                            | -11.0                | 6.7 |
|                                                                                        | 2/17/2023  | 0.403 J                               | 231      | 0.632    | 0.0839 J     | <0.0293      | 50.5    | 234     | 46.5      | 3.96      | 74.4   | 1,190                  | 651                                | <4.00                            | -9.14                | 6.5 |
|                                                                                        | 2/22/2023  | 0.442 J                               | 214      | 0.464 J  | 0.0849 J     | <0.0293      | 46.8    | 246     | 50.4      | 4.19      | 78.6   | 1,160                  | 732                                | <4.00                            | -8.94                | 6.3 |
|                                                                                        | 3/3/2023   | 0.457 J                               | 327      | 0.148 J  | 0.0946 J     | <0.0293      | 60.9    | 376     | 67.6      | 6.40      | 117    | 1,500                  | 921                                | <4.00                            | -2.26                | 6.3 |
|                                                                                        | 3/8/2023   | 0.488 J                               | 222      | 0.425 J  | 0.106        | <0.0293      | 49.2    | 250     | 48.8      | 3.95      | 72.6   | 1,380                  | 696                                | <4.00                            | -8.10                | 6.3 |
|                                                                                        | 3/15/2023  | 0.453 J                               | 220      | 0.314 J  | 0.0651 J     | <0.0293      | 49.2    | 224     | 43.1      | 3.66      | 70.0   | 1,030                  | 691                                | <4.00                            | -12.3                | 6.3 |
|                                                                                        | 3/23/2023  | 0.454 J                               | 221      | 0.896    | 0.0721 J     | <0.0293      | 50.7    | 248     | 51.3      | 4.11      | 91.2   | 1,190                  | 689                                | <4.00                            | -0.0255              | 6.5 |
|                                                                                        | 3/29/2023  | 0.438 J                               | 217      | 0.504    | 0.0578 J     | 0.157        | 46.3    | 254     | 50.8      | 4.44      | 79.9   | 1,130                  | 684                                | <4.00                            | -5.81                | 6.3 |
|                                                                                        | 4/6/2023   | <0.0711                               | 219      | 0.206 J  | 0.0769 J     | <0.0293      | 47.4    | 249     | 49.4      | 4.08      | 79.7   | 1,080                  | 680                                | <4.00                            | -6.66                | 6.7 |
|                                                                                        | 4/14/2023  | <0.0711                               | 219      | 0.229 J  | 0.0834 J     | <0.0293      | 49.4    | 224     | 45.2      | 3.78      | 71.8   | 1,200                  | 608                                | <4.00                            | -8.07                | 6.6 |
|                                                                                        | 4/26/2023  | 0.475 J                               | 215      | 0.471 J  | 0.129        | 0.395        | 47.7    | 264     | 52.9      | 4.25      | 80.2   | 1,240                  | 651                                | <4.00                            | -2.67                | 6.4 |
|                                                                                        | 5/2/2023   | <0.0711                               | 225      | 0.331 J  | 0.321        | <0.0293      | 54.1    | 302     | 56.0      | 4.60      | 86.7   | 1,290                  | 688                                | <4.00                            | -0.0776              | 6.4 |
|                                                                                        | 5/11/2023  | 0.400 J                               | 216      | 0.400 J  | 10.4         | 2.66         | 44.9    | 236     | 51.7      | 4.41      | 82.0   | 1,680                  | 637                                | <4.00                            | -7.60                | 6.5 |
|                                                                                        | 5/15/2023  | 0.326 J                               | 214      | 0.789    | 0.243        | 0.793        | 47.8    | 202     | 41.3      | 3.26      | 67.1   | 1,320                  | 547                                | <4.00                            | -9.15                | 6.5 |
|                                                                                        | 5/25/2023  | 0.348 J                               | 217      | 0.617    | 0.0603 J     | 0.691        | 46.8    | 259     | 48.8      | 4.21      | 77.4   | 1,310                  | 697                                | <4.00                            | -6.47                | 6.5 |
|                                                                                        | 5/30/2023  | 0.353 J                               | 231      | 0.154 J  | 0.351        | 0.664        | 45.5    | 187     | 37.8      | 2.87      | 66.2   | 979                    | 400                                | <4.00                            | -6.63                | 7.1 |
|                                                                                        | 6/9/2023   | 0.482 J                               | 225      | 0.451 J  | 0.180        | <0.0293      | 49.6    | 224     | 43.7      | 3.21      | 73.8   | 1,360                  | 710                                | <4.00                            | -13.4                | 6.7 |
|                                                                                        | 6/15/2023  | 0.372 J                               | 230      | 0.474 J  | 0.139        | 0.348        | 49.7    | 255     | 49.6      | 3.91      | 81.1   | 1,380                  | 679                                | <4.00                            | -6.66                | 6.5 |
|                                                                                        | 6/23/2023  | 0.386 J                               | 239      | 0.463 J  | 0.123        | <0.0293      | 50.8    | 254     | 50.9      | 4.38      | 81.4   | 1,240                  | 712                                | <4.00                            | -8.19                | 6.5 |
|                                                                                        | 6/26/2023  | 0.327 J                               | 218      | 0.301 J  | 0.0682 J     | 2.51         | 45.0    | 260     | 42.3      | 3.70      | 69.4   | 1,180                  | 719                                | <4.00                            | -8.99                | 6.5 |





TABLE 2  
GROUNDWATER SAMPLING (General Water Chemistry) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date                                                                                      | (mg/L)                           |          |          |              |              |         |         |           |           |        |                        |                                    |                                  | %                    | SU   |      |      |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|----------|----------|--------------|--------------|---------|---------|-----------|-----------|--------|------------------------|------------------------------------|----------------------------------|----------------------|------|------|------|
|                                                                                        |                                                                                           | Bromide                          | Chloride | Fluoride | Nitrate as N | Nitrite as N | Sulfate | Calcium | Magnesium | Potassium | Sodium | Total Dissolved Solids | Alkalinity, Bicarbonate (as CaCO3) | Alkalinity, Carbonate (as CaCO3) | Cation-Anion Balance | pH   |      |      |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |                                                                                           | NE                               | 250.0    | 1.6      | 10.0         | 1.0          | NE      | NE      | NE        | NE        | NE     | 1,000.0                | NE                                 | NE                               | NE                   | 6-9  |      |      |
| MW-1                                                                                   | 5/26/2020                                                                                 | NA                               | 363      | 0.913    | 0.998        | 1.03         | 283     | NA      |           |           |        |                        |                                    |                                  |                      |      |      | 7.21 |
|                                                                                        | 6/30/2020                                                                                 | 0.591                            | 342      | <0.500   | 0.145        | <0.100       | 88.8    | 401     | 84.7      | 6.41      | 191    | 1,890                  | 1,290                              | <4.00                            | NA                   | 6.75 |      |      |
|                                                                                        | 8/20/2020                                                                                 | 0.634                            | 339      | <0.500   | <0.100       | <0.100       | 68.3    | 401     | 90.3      | 5.38      | 147    | 1,760                  | 1,210                              | <4.00                            | NA                   | 6.30 |      |      |
|                                                                                        | 10/23/2020                                                                                | NA                               | 353      |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |      |      |
|                                                                                        | 11/24/2020                                                                                | 0.629                            | 345      | 0.309 J  | 0.161        | 2.00         | 73.2    | 412     | 82.8      | 5.61      | 124    | 1,630                  | 1,200                              | <4.00                            | 0.400                | 6.45 |      |      |
|                                                                                        | 12/18/2020                                                                                | NA                               | 375      | NA       |              |              |         | 414     | 79.7      | 5.41      | 117    | 1,380                  | 1,160                              | <4.00                            | 1.30                 | 6.58 |      |      |
|                                                                                        | 12/23/2020                                                                                | 0.627                            | 339      | 0.316 J  | 0.117        | <0.0293      | 73.2    | 408     | 82.5      | 6.58      | 119    | 1,600                  | 1,130                              | <4.00                            | 2.10                 | 6.56 |      |      |
|                                                                                        | 12/30/2020                                                                                | NA                               | 347      | NA       |              |              |         |         |           |           |        |                        |                                    |                                  |                      | 6.37 |      |      |
|                                                                                        | 1/6/2021                                                                                  | NA                               | 325      | NA       |              |              |         |         |           |           |        |                        |                                    |                                  |                      | 6.51 |      |      |
|                                                                                        | 1/12/2021                                                                                 | NA                               | 359      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,160                            | <4.00                | NA   | 6.42 |      |
|                                                                                        | 1/20/2021                                                                                 | NA                               | 353      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,160                            | <4.00                | NA   | 6.34 |      |
|                                                                                        | 1/27/2021                                                                                 | NA                               | 334      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,010                            | <4.00                | NA   | 6.44 |      |
|                                                                                        | 2/3/2021                                                                                  | NA                               | 368      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,130                            | <4.00                | NA   | 6.38 |      |
|                                                                                        | 2/10/2021                                                                                 | NA                               | 339      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,160                            | <4.00                | NA   | 6.45 |      |
|                                                                                        | 2/24/2021                                                                                 | NA                               | 343      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,070                            | <4.00                | NA   | 6.45 |      |
|                                                                                        | 3/4/2021                                                                                  | NA                               | 339      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,070                            | <4.00                | NA   | 6.38 |      |
|                                                                                        | 3/10/2021                                                                                 | NA                               | 324      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,020                            | <4.00                | NA   | 6.34 |      |
|                                                                                        | 3/17/2021                                                                                 | NA                               | 330      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,020                            | <4.00                | NA   | 6.16 |      |
|                                                                                        | 3/25/2021                                                                                 | NA                               | 312      | 0.367 J  | 0.129        | <0.100       | 77.5    | NA      |           |           |        | 980                    | <4.00                              | NA                               | 6.9                  |      |      |      |
|                                                                                        | 3/31/2021                                                                                 | NA                               | 309      | 0.387 J  | 0.175        | <0.0293      | 81.3    | NA      |           |           |        | 977                    | <4.00                              | NA                               | 6.7                  |      |      |      |
|                                                                                        | 4/8/2021                                                                                  | NA                               | 290      | 0.515    | 0.0994 J     | <0.0293      | 58.1    | NA      |           |           |        | 933                    | <4.00                              | NA                               | 6.5                  |      |      |      |
|                                                                                        | 4/15/2021                                                                                 | NA                               | 272      | 0.583    | 0.107        | <0.0293      | 54.0    | NA      |           |           |        | 833                    | <4.00                              | NA                               | 6.6                  |      |      |      |
|                                                                                        | 4/21/2021                                                                                 | NA                               | 299      | 0.369 J  | 0.135        | <0.0293      | 52.7    | NA      |           |           |        | 927                    | <4.00                              | NA                               | 6.5                  |      |      |      |
|                                                                                        | 4/28/2021                                                                                 | NA                               | 315      | 0.315 J  | 0.119        | <0.0293      | 57.8    | NA      |           |           |        | 994                    | <4.00                              | NA                               | 6.5                  |      |      |      |
|                                                                                        | 5/5/2021                                                                                  | NA                               | 317      | 0.358 J  | 0.135        | <0.0293      | 68.5    | NA      |           |           |        | 1,020                  | <4.00                              | NA                               | 6.5                  |      |      |      |
|                                                                                        | 5/13/2021                                                                                 | NA                               | 270      | 0.492 J  | 0.125        | 0.729 J      | 55.6    | NA      |           |           |        | 819                    | <4.00                              | NA                               | 6.8                  |      |      |      |
|                                                                                        | 5/19/2021                                                                                 | NA                               | 324      | 0.335 J  | <0.0391      | 2.58         | 65.0    | NA      |           |           |        | 1,070                  | <4.00                              | NA                               | 6.5                  |      |      |      |
|                                                                                        | 5/27/2021                                                                                 | NA                               | 325      | 0.380 J  | 0.128        | 0.148        | 70.3    | NA      |           |           |        | 971                    | <4.00                              | NA                               | 6.3                  |      |      |      |
|                                                                                        | 6/2/2021                                                                                  | NA                               | 315      | 0.305 J  | 0.146        | <0.0293      | 72.8    | NA      |           |           |        | 979                    | <4.00                              | NA                               | 6.5                  |      |      |      |
|                                                                                        | 6/10/2021                                                                                 | NA                               | 295      | 0.561    | 0.130        | 1.44         | 64.7    | NA      |           |           |        | 768                    | <4.00                              | NA                               | 6.6                  |      |      |      |
|                                                                                        | 6/16/2021                                                                                 | NA                               | 320      | 0.478 J  | 0.127        | 0.243        | 59.1    | NA      |           |           |        | 811                    | <4.00                              | NA                               | 6.7                  |      |      |      |
|                                                                                        | 6/22/2021                                                                                 | NA                               | 311      | 0.478 J  | 0.119        | 1.65         | 56.9    | NA      |           |           |        | 790                    | <4.00                              | NA                               | 6.8                  |      |      |      |
|                                                                                        | 6/30/2021                                                                                 | NA                               | 308      | 0.561    | 0.145        | 0.168        | 64.2    | NA      |           |           |        | 813                    | <4.00                              | NA                               | 6.7                  |      |      |      |
|                                                                                        | 7/1/2021                                                                                  | Levey Well Now Running Full Time |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |      |      |
|                                                                                        | 7/7/2021                                                                                  | NA                               | 325      | 0.547    | 0.127        | <0.0293      | 75.9    | NA      |           |           |        | 761                    | <4.00                              | NA                               | 6.8                  |      |      |      |
|                                                                                        | 7/14/2021                                                                                 | NA                               | 360      | 0.418 J  | 0.134        | 0.0880 J     | 112     | NA      |           |           |        | 931                    | <4.00                              | NA                               | 6.8                  |      |      |      |
|                                                                                        | 7/20/2021                                                                                 | NA                               | 324      | 0.138 J  | 0.0457 J     | <0.0293      | 81.5    | NA      |           |           |        | 750                    | <4.00                              | NA                               | 6.7                  |      |      |      |
|                                                                                        | 7/27/2021                                                                                 | NA                               | 352      | 0.340 J  | 0.148        | 1.22         | 82.8    | NA      |           |           |        | 786                    | <4.00                              | NA                               | 6.7                  |      |      |      |
|                                                                                        | 8/5/2021                                                                                  | NA                               | 336      | 0.426 J  | 0.117        | <0.0293      | 79.0    | NA      |           |           |        | 695                    | <4.00                              | NA                               | 6.9                  |      |      |      |
|                                                                                        | 8/11/2021                                                                                 | NA                               | 326      | 0.342 J  | 0.153        | 1.48         | 85.5    | NA      |           |           |        | 735                    | <4.00                              | NA                               | 6.6                  |      |      |      |
|                                                                                        | 8/19/2021                                                                                 | NA                               | 334      | 0.227 J  | 0.149        | 1.36         | 81.9    | NA      |           |           |        | 810                    | <4.00                              | NA                               | 6.8                  |      |      |      |
|                                                                                        | 8/25/2021                                                                                 | NA                               | 328      | 0.395 J  | 0.132        | 0.947 J      | 76.5    | NA      |           |           |        | 809                    | <4.00                              | NA                               | 6.8                  |      |      |      |
|                                                                                        | 9/2/2021                                                                                  | NA                               | 325      | 0.311 J  | 0.105        | <0.0293      | 74.7    | NA      |           |           |        | 755                    | <4.00                              | NA                               | 6.8                  |      |      |      |
|                                                                                        | 9/8/2021                                                                                  | NA                               | 272      | 0.442 J  | 0.103        | 0.782 J      | 64.5    | NA      |           |           |        | 584                    | <4.00                              | NA                               | 6.9                  |      |      |      |
|                                                                                        | 9/14/2021                                                                                 | NA                               | 332      | 0.276 J  | 0.103        | 0.776 J      | 98.4    | NA      |           |           |        | 660                    | <4.00                              | NA                               | 7.0                  |      |      |      |
|                                                                                        | 9/21/2021                                                                                 | NA                               | 203      | 0.896    | 0.186        | <0.0293      | 32.4    | NA      |           |           |        | 419                    | <4.00                              | NA                               | 6.9                  |      |      |      |
|                                                                                        | 9/29/2021                                                                                 | NA                               | 232      | 0.659    | 0.168        | 0.0819 J     | 40.1    | NA      |           |           |        | 505                    | <4.00                              | NA                               | 6.9                  |      |      |      |
|                                                                                        | 10/7/2021                                                                                 | NA                               | 253      | 0.626    | 0.186        | <0.0293      | 58.2    | NA      |           |           |        | 567                    | <4.00                              | NA                               | 6.9                  |      |      |      |
|                                                                                        | 10/13/2021                                                                                | NA                               | 268      | 0.659    | 0.178        | <0.0293      | 62.9    | NA      |           |           |        | 564                    | <4.00                              | NA                               | 8.1                  |      |      |      |
|                                                                                        | 10/21/2021                                                                                | NA                               | 293      | 0.409 J  | 0.144        | <0.0293      | 81.1    | NA      |           |           |        | 591                    | <4.00                              | NA                               | 7.1                  |      |      |      |
| 11/5/2021                                                                              | NA                                                                                        | 282                              | 0.631    | 0.191    | <0.0293      | 77.1         | NA      |         |           |           | 571    | <4.00                  | NA                                 | 7.0                              |                      |      |      |      |
| 11/11/2021                                                                             | NA                                                                                        | 311                              | 0.309 J  | 0.258    | <0.0293      | 89.9         | NA      |         |           |           | 536    | <4.00                  | NA                                 | 7.1                              |                      |      |      |      |
| 11/18/2021                                                                             | NA                                                                                        | 172                              | 0.741    | 0.151    | <0.0293      | 23.1         | NA      |         |           |           | 314    | <4.00                  | NA                                 | 7.4                              |                      |      |      |      |
| 11/24/2021                                                                             | NA                                                                                        | 267                              | 0.429 J  | 0.220    | 0.549        | 81.4         | NA      |         |           |           | 502    | <4.00                  | NA                                 | 6.8                              |                      |      |      |      |
| 12/1/2021                                                                              | NA                                                                                        | 222                              | 0.596    | 0.141    | <0.0293      | 61.0         | NA      |         |           |           | 390    | <4.00                  | NA                                 | 7.3                              |                      |      |      |      |
| 12/8/2021                                                                              | NA                                                                                        | 226                              | 0.358 J  | 0.162    | <0.0293      | 66.0         | NA      |         |           |           | 484    | <4.00                  | NA                                 | 6.9                              |                      |      |      |      |
| 12/16/2021                                                                             | NA                                                                                        | 174                              | 0.504    | 0.143    | <0.0293      | 49.9         | NA      |         |           |           | 398    | <4.00                  | NA                                 | 6.9                              |                      |      |      |      |
| 12/22/2021                                                                             | NA                                                                                        | 163                              | 0.517    | 0.240    | <0.0293      | 40.2         | NA      |         |           |           | 312    | <4.00                  | NA                                 | 7.1                              |                      |      |      |      |
| 12/29/2021                                                                             | NA                                                                                        | 142                              | 0.591    | 0.205    | 0.295        | 42.2         | NA      |         |           |           | 302    | <4.00                  | NA                                 | 7.3                              |                      |      |      |      |
| 1/6/2022                                                                               | NA                                                                                        | 138                              | 0.471 J  | 0.180    | <0.0293      | 43.2         | NA      |         |           |           | 335    | <4.00                  | NA                                 | 7.0                              |                      |      |      |      |
| 1/12/2022                                                                              | NA                                                                                        | 149                              | 0.491 J  | 0.154    | 0.0428 J     | 42.1         | NA      |         |           |           | 326    | <4.00                  | NA                                 | 6.7                              |                      |      |      |      |
| 1/19/2022                                                                              | NA                                                                                        | 141                              | 0.532    | 0.145    | 0.227        | 45.1         | NA      |         |           |           | 324    | <4.00                  | NA                                 | 7.0                              |                      |      |      |      |
| 1/26/2022                                                                              | NA                                                                                        | 142                              | 0.548    | 0.177    | 0.150        | 44.7         | NA      |         |           |           | 282    | <4.00                  | NA                                 | 7.1                              |                      |      |      |      |
| 2/2/2022                                                                               | Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze. |                                  |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |      |      |
| 2/8/2022                                                                               | NA                                                                                        | 189                              | 0.631    | 0.0688 J | 0.358        | 49.6         | NA      |         |           |           | 380    | <4.00                  | NA                                 | 6.9                              |                      |      |      |      |
| 2/16/2022                                                                              | NA                                                                                        | 151                              | 0.712    | 0.0561 J | 0.344        | 41.5         | NA      |         |           |           | 384    | <4.00                  | NA                                 | 7.1                              |                      |      |      |      |
| 2/25/2022                                                                              | NA                                                                                        | 171                              | 0.739    | 0.125    | 0.156        | 50.3         | NA      |         |           |           | 342    | <4.00                  | NA                                 | 7.1                              |                      |      |      |      |
| 3/3/2022                                                                               | NA                                                                                        | 158                              | 0.531    | 0.198    | 0.181        | 45.9         | NA      |         |           |           | 360    | <4.00                  | NA                                 | 6.9                              |                      |      |      |      |
| 3/9/2022                                                                               | NA                                                                                        | 148                              | 0.454 J  | 0.170    | <0.0293      | 45.4         | NA      |         |           |           | 323    | <4.00                  | NA                                 | 7.2                              |                      |      |      |      |
| 3/14/2022                                                                              | Booster Pump for Levey Well Repaired and Back on Running Full Time.                       |                                  |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |      |      |
| 3/16/2022                                                                              | NA                                                                                        | 145                              | 0.546    | 0.147    | <0.0293      | 38.1         | NA      |         |           |           | 339    | <4.00                  | NA                                 | 7.0                              |                      |      |      |      |



TABLE 2  
GROUNDWATER SAMPLING (General Water Chemistry) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date       | (mg/L)  |          |          |              |              |         |         |           |           |        |                        |                                    |                                  | %                    | SU  |
|----------------------------------------------------------------------------------------|------------|---------|----------|----------|--------------|--------------|---------|---------|-----------|-----------|--------|------------------------|------------------------------------|----------------------------------|----------------------|-----|
|                                                                                        |            | Bromide | Chloride | Fluoride | Nitrate as N | Nitrite as N | Sulfate | Calcium | Magnesium | Potassium | Sodium | Total Dissolved Solids | Alkalinity, Bicarbonate (as CaCO3) | Alkalinity, Carbonate (as CaCO3) | Cation-Anion Balance | pH  |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |            | NE      | 250.0    | 1.6      | 10.0         | 1.0          | NE      | NE      | NE        | NE        | NE     | 1,000.0                | NE                                 | NE                               | NE                   | 6-9 |
| MW-1                                                                                   | 3/24/2022  | NA      | 147      | 0.610    | <0.0391      | <0.0293      | 42.9    |         |           | NA        |        |                        | 297                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 3/31/2022  | NA      | 143      | 0.568    | 0.164        | <0.0293      | 40.4    |         |           | NA        |        |                        | 275                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 4/6/2022   | NA      | 133      | 0.677    | 0.186        | <0.0293      | 39.7    |         |           | NA        |        |                        | 262                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 4/13/2022  | NA      | 129      | 0.767    | <0.0391      | <0.0293      | 40.9    |         |           | NA        |        |                        | 259                                | <4.00                            | NA                   | 7.6 |
|                                                                                        | 4/20/2022  | NA      | 173      | 0.574    | 0.152        | 0.176        | 42.4    |         |           | NA        |        |                        | 362                                | <4.00                            | NA                   | 7.0 |
|                                                                                        | 4/28/2022  | NA      | 136      | 0.608    | 0.0700 J     | 0.0717 J     | 41.7    |         |           | NA        |        |                        | 300                                | <4.00                            | NA                   | 7.5 |
|                                                                                        | 5/5/2022   | NA      | 118      | 0.746    | <0.0391      | 1.75         | 41.1    |         |           | NA        |        |                        | 253                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 5/10/2022  | NA      | 116      | 0.709    | 0.0815 J     | <0.0293      | 43.9    |         |           | NA        |        |                        | 250                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 5/19/2022  | NA      | 106      | 0.643    | 0.0743 J     | 0.199        | 41.0    |         |           | NA        |        |                        | 262                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 5/26/2022  | NA      | 98.7     | 0.720    | 0.0777 J     | 0.809        | 44.7    |         |           | NA        |        |                        | 256                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 6/1/2022   | NA      | 100      | 0.690    | 0.0629 J     | <0.0293      | 46.4    |         |           | NA        |        |                        | 240                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 6/9/2022   | NA      | 99.9     | 0.743    | <0.0391      | <0.0293      | 46.6    |         |           | NA        |        |                        | 246                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 6/17/2022  | NA      | 83.5     | 0.710    | 0.146        | 0.275        | 47.9    |         |           | NA        |        |                        | 253                                | <4.00                            | NA                   | 7.3 |
|                                                                                        | 6/23/2022  | NA      | 83.9     | 0.616    | 0.238        | <0.0293      | 47.7    |         |           | NA        |        |                        | 258                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 6/29/2022  | NA      | 84.8     | 0.644    | 0.199        | 0.556        | 48.0    |         |           | NA        |        |                        | 264                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 7/7/2022   | NA      | 83.7     | 0.660    | 0.0413 J     | 0.0458 J     | 47.7    |         |           | NA        |        |                        | 238                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 7/13/2022  | NA      | 91.3     | 0.778    | 0.102        | <0.0293      | 49.2    |         |           | NA        |        |                        | 253                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 7/20/2022  | NA      | 81.5     | 0.766    | <0.0391      | <0.0293      | 48.5    |         |           | NA        |        |                        | 249                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 7/27/2022  | NA      | 85.8     | 0.766    | 0.0482 J     | <0.0293      | 47.2    |         |           | NA        |        |                        | 268                                | <4.00                            | NA                   | 7.7 |
|                                                                                        | 8/4/2022   | NA      | 77.5     | 0.633    | 0.126        | 0.118        | 43.1    |         |           | NA        |        |                        | 253                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 8/10/2022  | NA      | 68.3     | 0.737    | <0.0391      | 0.212        | 40.9    |         |           | NA        |        |                        | 278                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 8/18/2022  | NA      | 77.7     | 0.752    | 0.0696 J     | 0.154        | 39.4    |         |           | NA        |        |                        | 262                                | <4.00                            | NA                   | 7.0 |
|                                                                                        | 8/24/2022  | NA      | 92.0     | 0.739    | <0.100       | <0.100       | 40.8    |         |           | NA        |        |                        | 273                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 8/31/2022  | NA      | 85.9     | 0.628    | <0.0391      | <0.0293      | 36.7    |         |           | NA        |        |                        | 277                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 9/15/2022  | NA      | 86.4     | 1.03     | 0.0909 J     | 0.206        | 33.4    |         |           | NA        |        |                        | 277                                | <4.00                            | NA                   | 7.0 |
|                                                                                        | 9/22/2022  | NA      | 95.8     | 0.585    | 0.518        | <0.0293      | 38.4    |         |           | NA        |        |                        | 280                                | <4.00                            | NA                   | 7.3 |
|                                                                                        | 9/28/2022  | NA      | 91.2     | 0.702    | <0.0391      | <0.0293      | 32.8    |         |           | NA        |        |                        | 285                                | <4.00                            | NA                   | 7.3 |
|                                                                                        | 10/4/2022  | NA      | 75.6     | 0.803    | 0.376        | 0.201        | 33.7    |         |           | NA        |        |                        | 272                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 10/14/2022 | NA      | 81.0     | 0.807    | 0.360        | 0.195        | 33.1    |         |           | NA        |        |                        | 266                                | <4.00                            | NA                   | 7.3 |
|                                                                                        | 10/19/2022 | NA      | 136      | <0.100   | <0.0391      | <0.0293      | 19.2    |         |           | NA        |        |                        | 283                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 10/27/2022 | NA      | 80.4     | 0.750    | 0.0601 J     | 0.423        | 29.8    |         |           | NA        |        |                        | 277                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 11/2/2022  | NA      | 80.0     | 0.681    | 0.120        | 0.154        | 29.8    |         |           | NA        |        |                        | 252                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 11/9/2022  | NA      | 81.1     | 0.746    | 0.141        | 0.117        | 32.5    |         |           | NA        |        |                        | 294                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 11/16/2022 | NA      | 82.2     | 0.738    | 0.120        | 0.384        | 30.9    |         |           | NA        |        |                        | 282                                | <4.00                            | NA                   | 7.3 |
|                                                                                        | 11/30/2022 | NA      | 88.1     | 0.602    | 0.140        | 0.141        | 45.4    |         |           | NA        |        |                        | 300                                | <4.00                            | NA                   | 7.3 |
|                                                                                        | 12/9/2022  | NA      | 83.7     | 0.809    | 0.0610 J     | 0.247        | 44.2    |         |           | NA        |        |                        | 309                                | <4.00                            | NA                   | 7.5 |
|                                                                                        | 12/15/2022 | NA      | 82.1     | 0.786    | <0.0391      | 0.121        | 44.3    |         |           | NA        |        |                        | 348                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 12/21/2022 | NA      | 84.4     | 0.676    | 0.0802 J     | <0.0293      | 43.6    |         |           | NA        |        |                        | 377                                | <4.00                            | NA                   | 7.3 |
|                                                                                        | 12/29/2022 | NA      | 77.3     | 0.555    | 0.211        | 0.310        | 33.4    |         |           | NA        |        |                        | 409                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 1/4/2023   | NA      | 75.9     | 0.863    | 0.0857 J     | <0.0293      | 39.7    |         |           | NA        |        |                        | 354                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 1/13/2023  | NA      | 76.2     | 0.600    | 0.208        | 0.266        | 41.1    |         |           | NA        |        |                        | 357                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 1/19/2023  | NA      | 82.6     | 0.624    | <0.0391      | <0.0293      | 49.2    |         |           | NA        |        |                        | 340                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 1/25/2023  | NA      | 73.7     | 0.631    | 0.0564 J     | 0.149        | 47.7    |         |           | NA        |        |                        | 363                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 2/2/2023   | NA      | 75.4     | 0.670    | 0.223        | 0.196        | 47.2    |         |           | NA        |        |                        | 329                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 2/8/2023   | NA      | 84.5     | 0.607    | 0.0542 J     | 0.133        | 54.7    |         |           | NA        |        |                        | 360                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 2/17/2023  | NA      | 102      | 0.763    | <0.0391      | <0.0293      | 65.2    |         |           | NA        |        |                        | 432                                | <4.00                            | NA                   | 7.5 |
|                                                                                        | 2/22/2023  | NA      | 87.3     | 0.528    | <0.0391      | <0.0293      | 55.6    |         |           | NA        |        |                        | 418                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 3/3/2023   | NA      | 70.8     | 0.703    | 0.0671 J     | 0.0580 J     | 47.8    |         |           | NA        |        |                        | 310                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 3/8/2023   | NA      | 94.9     | 0.471 J  | 0.0666 J     | <0.0293      | 55.9    |         |           | NA        |        |                        | 397                                | <4.00                            | NA                   | 7.0 |
|                                                                                        | 3/15/2023  | NA      | 93.9     | 0.636    | <0.0391      | <0.0293      | 51.0    |         |           | NA        |        |                        | 412                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 3/23/2023  | NA      | 92.9     | 0.485 J  | 0.0908 J     | <0.0293      | 50.9    |         |           | NA        |        |                        | 398                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 3/29/2023  | NA      | 91.6     | 0.619    | <0.0391      | 0.293        | 46.7    |         |           | NA        |        |                        | 474                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 4/6/2023   | NA      | 99.3     | 0.262 J  | 0.0504 J     | <0.0293      | 55.6    |         |           | NA        |        |                        | 443                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 4/14/2023  | NA      | 87.6     | 0.748    | 0.0530 J     | <0.0293      | 44.5    |         |           | NA        |        |                        | 555                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 4/26/2023  | NA      | 95.7     | 0.537    | 0.0898 J     | 0.439        | 53.1    |         |           | NA        |        |                        | 539                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 5/2/2023   | NA      | 95.2     | 0.966    | 0.406        | <0.0293      | 51.8    |         |           | NA        |        |                        | 548                                | <4.00                            | NA                   | 7.1 |
|                                                                                        | 5/11/2023  | NA      | 104      | 0.676    | 0.174        | 1.59         | 59.7    |         |           | NA        |        |                        | 580                                | <4.00                            | NA                   | 7.2 |
|                                                                                        | 5/15/2023  | NA      | 97.6     | 0.859    | <0.0391      | 0.998        | 53.6    |         |           | NA        |        |                        | 579                                | <4.00                            | NA                   | 7.0 |
|                                                                                        | 5/25/2023  | NA      | 86.5     | 0.585    | 0.0886 J     | 0.882        | 31.7    |         |           | NA        |        |                        | 687                                | <4.00                            | NA                   | 7.0 |
|                                                                                        | 5/30/2023  | NA      | 84.8     | <0.100   | 0.432        | 1.32         | 57.2    |         |           | NA        |        |                        | 692                                | <4.00                            | NA                   | 7.0 |
|                                                                                        | 6/9/2023   | NA      | 96.5     | 0.291 J  | 0.149        | 0.158        | 21.0    |         |           | NA        |        |                        | 823                                | <4.00                            | NA                   | 7.0 |
|                                                                                        | 6/15/2023  | NA      | 97.7     | 0.451 J  | 0.0846 J     | 0.491        | 43.0    |         |           | NA        |        |                        | 667                                | <4.00                            | NA                   | 6.9 |
|                                                                                        | 6/23/2023  | NA      | 98.2     | 0.469 J  | 0.0975 J     | 0.178        | 34.8    |         |           | NA        |        |                        | 754                                | <4.00                            | NA                   | 7.3 |
|                                                                                        | 6/26/2023  | NA      | 94.3     | 0.347 J  | 0.0804 J     | 2.38         | 35.8    |         |           | NA        |        |                        | 738                                | <4.00                            | NA                   | 6.9 |



TABLE 2  
GROUNDWATER SAMPLING (General Water Chemistry) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date                                                                                      | (mg/L)                           |          |          |              |              |         |         |           |           |        |                        |                                    |                                  | %                    | SU   |      |  |      |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|----------|----------|--------------|--------------|---------|---------|-----------|-----------|--------|------------------------|------------------------------------|----------------------------------|----------------------|------|------|--|------|
|                                                                                        |                                                                                           | Bromide                          | Chloride | Fluoride | Nitrate as N | Nitrite as N | Sulfate | Calcium | Magnesium | Potassium | Sodium | Total Dissolved Solids | Alkalinity, Bicarbonate (as CaCO3) | Alkalinity, Carbonate (as CaCO3) | Cation-Anion Balance | pH   |      |  |      |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |                                                                                           | NE                               | 250.0    | 1.6      | 10.0         | 1.0          | NE      | NE      | NE        | NE        | NE     | 1,000.0                | NE                                 | NE                               | NE                   | 6-9  |      |  |      |
| MW-2                                                                                   | 5/26/2020                                                                                 | NA                               | 106      | 0.341 J  | 1.920        | 0.639        | 120     | NA      |           |           |        |                        |                                    |                                  |                      |      |      |  | 6.32 |
|                                                                                        | 6/30/2020                                                                                 | 0.535                            | 115      | <0.500   | 1.13         | 0.656        | 111     | 478     | 59.6      | 6.66      | 102    | 1,320                  | 1,320                              | <4.00                            | NA                   | 6.36 |      |  |      |
|                                                                                        | 8/20/2020                                                                                 | 0.603                            | 150      | <0.500   | 1.10         | 0.439        | 122     | 559     | 73.5      | 7.46      | 102    | 1,700                  | 1,350                              | <4.00                            | NA                   | 6.01 |      |  |      |
|                                                                                        | 10/23/2020                                                                                | NA                               | 107      |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |      |  |      |
|                                                                                        | 11/24/2020                                                                                | 0.565                            | 180      | 0.172 J  | 1.08         | 0.557        | 136     | 841     | 85.5      | 12.8      | 116    | 1,670                  | 1,450                              | <4.00                            | 15.4                 | 6.30 |      |  |      |
|                                                                                        | 12/18/2020                                                                                | NA                               | 153      | NA       |              |              |         | 494     | 64.9      | 6.63      | 98.0   | 1,410                  | 1,380                              | <4.00                            | 3.20                 | 6.29 |      |  |      |
|                                                                                        | 12/23/2020                                                                                | 0.621                            | 165      | 0.179 J  | 1.11         | 0.639        | 126     | 472     | 65.7      | 5.96      | 101    | 1,810                  | 1,430                              | <4.00                            | 0.300                | 6.27 |      |  |      |
|                                                                                        | 12/30/2020                                                                                | NA                               | 153      | NA       |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      | 6.15 |  |      |
|                                                                                        | 1/6/2021                                                                                  | NA                               | 124      | NA       |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      | 6.24 |  |      |
|                                                                                        | 1/12/2021                                                                                 | NA                               | 141      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,350                            | <4.00                | NA   | 6.20 |  |      |
|                                                                                        | 1/20/2021                                                                                 | NA                               | 133      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,360                            | <4.00                | NA   | 6.12 |  |      |
|                                                                                        | 1/27/2021                                                                                 | NA                               | 140      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,360                            | <4.00                | NA   | 6.24 |  |      |
|                                                                                        | 2/3/2021                                                                                  | NA                               | 178      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,390                            | <4.00                | NA   | 6.17 |  |      |
|                                                                                        | 2/10/2021                                                                                 | NA                               | 133      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,380                            | <4.00                | NA   | 6.19 |  |      |
|                                                                                        | 2/24/2021                                                                                 | NA                               | 146      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,370                            | <4.00                | NA   | 6.17 |  |      |
|                                                                                        | 3/4/2021                                                                                  | NA                               | 166      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,380                            | <4.00                | NA   | 6.07 |  |      |
|                                                                                        | 3/10/2021                                                                                 | NA                               | 175      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,390                            | <4.00                | NA   | 6.14 |  |      |
|                                                                                        | 3/17/2021                                                                                 | NA                               | 163      | NA       |              |              |         |         |           |           |        |                        |                                    | 1,400                            | <4.00                | NA   | 5.87 |  |      |
|                                                                                        | 3/25/2021                                                                                 | NA                               | 161      | 0.183 J  | 0.835        | 0.425        | 119     | NA      |           |           |        |                        | 1,420                              | <4.00                            | NA                   | 6.5  |      |  |      |
|                                                                                        | 3/31/2021                                                                                 | NA                               | 102      | 0.299 J  | 0.714        | 1.13         | 99.9    | NA      |           |           |        |                        | 1,330                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 4/8/2021                                                                                  | NA                               | 157      | 0.223 J  | 0.784        | 0.549        | 122     | NA      |           |           |        |                        | 1,430                              | <4.00                            | NA                   | 6.2  |      |  |      |
|                                                                                        | 4/15/2021                                                                                 | NA                               | 136      | 0.255 J  | 0.711        | 0.683        | 115     | NA      |           |           |        |                        | 1,380                              | <4.00                            | NA                   | 6.1  |      |  |      |
|                                                                                        | 4/21/2021                                                                                 | NA                               | 114      | 0.157 J  | 0.650        | 0.856        | 101     | NA      |           |           |        |                        | 1,340                              | <4.00                            | NA                   | 6.1  |      |  |      |
|                                                                                        | 4/28/2021                                                                                 | NA                               | 155      | 0.178 J  | 0.692        | 0.511        | 118     | NA      |           |           |        |                        | 1,380                              | <4.00                            | NA                   | 6.2  |      |  |      |
|                                                                                        | 5/5/2021                                                                                  | NA                               | 122      | 0.198 J  | 0.704        | 0.609        | 105     | NA      |           |           |        |                        | 1,350                              | <4.00                            | NA                   | 6.3  |      |  |      |
|                                                                                        | 5/13/2021                                                                                 | NA                               | 104      | 0.199 J  | 0.686        | 1.02         | 98.3    | NA      |           |           |        |                        | 1,320                              | <4.00                            | NA                   | 6.3  |      |  |      |
|                                                                                        | 5/19/2021                                                                                 | NA                               | 142      | 0.171 J  | 0.633        | 0.435        | 120     | NA      |           |           |        |                        | 1,370                              | <4.00                            | NA                   | 6.2  |      |  |      |
|                                                                                        | 5/27/2021                                                                                 | NA                               | 147      | 0.206 J  | 0.689        | 0.889        | 120     | NA      |           |           |        |                        | 1,260                              | <4.00                            | NA                   | 6.5  |      |  |      |
|                                                                                        | 6/2/2021                                                                                  | NA                               | 119      | 0.168 J  | 0.647        | 0.549        | 103     | NA      |           |           |        |                        | 1,250                              | <4.00                            | NA                   | 6.2  |      |  |      |
|                                                                                        | 6/10/2021                                                                                 | NA                               | 151      | 0.252 J  | 0.714        | 2.77         | 123     | NA      |           |           |        |                        | 1,260                              | <4.00                            | NA                   | 6.1  |      |  |      |
|                                                                                        | 6/16/2021                                                                                 | NA                               | 118      | 0.205 J  | 0.613        | 1.36         | 104     | NA      |           |           |        |                        | 1,208                              | <4.00                            | NA                   | 6.5  |      |  |      |
|                                                                                        | 6/22/2021                                                                                 | NA                               | 122      | 0.171 J  | 0.593        | 0.969        | 105     | NA      |           |           |        |                        | 1,260                              | <4.00                            | NA                   | 6.5  |      |  |      |
|                                                                                        | 6/30/2021                                                                                 | NA                               | 111      | 0.417 J  | 0.633        | 1.37         | 102     | NA      |           |           |        |                        | 1,230                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 7/1/2021                                                                                  | Levey Well Now Running Full Time |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |      |  |      |
|                                                                                        | 7/7/2021                                                                                  | NA                               | 110      | 0.257 J  | 0.543        | 0.713        | 98.2    | NA      |           |           |        |                        | 1,120                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 7/14/2021                                                                                 | NA                               | 187      | 0.233 J  | 0.752        | 0.797        | 124     | NA      |           |           |        |                        | 1,350                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 7/20/2021                                                                                 | NA                               | 123      | 0.132 J  | 0.460        | 0.659        | 107     | NA      |           |           |        |                        | 1,280                              | <4.00                            | NA                   | 6.3  |      |  |      |
|                                                                                        | 7/27/2021                                                                                 | NA                               | 113      | 0.134 J  | 0.607        | 0.516 J      | 100     | NA      |           |           |        |                        | 1,250                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 8/5/2021                                                                                  | NA                               | 120      | 0.189 J  | 0.660        | 0.552        | 103     | NA      |           |           |        |                        | 1,200                              | <4.00                            | NA                   | 6.5  |      |  |      |
|                                                                                        | 8/11/2021                                                                                 | NA                               | 115      | 0.181 J  | 0.624        | 3.02         | 101     | NA      |           |           |        |                        | 1,300                              | <4.00                            | NA                   | 6.3  |      |  |      |
|                                                                                        | 8/19/2021                                                                                 | NA                               | 122      | 0.104 J  | 0.630        | 1.73         | 104     | NA      |           |           |        |                        | 1,290                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 8/25/2021                                                                                 | NA                               | 122      | 0.191 J  | 0.639        | 0.603        | 103     | NA      |           |           |        |                        | 1,270                              | <4.00                            | NA                   | 6.5  |      |  |      |
|                                                                                        | 9/2/2021                                                                                  | NA                               | 110      | <0.100   | 0.536        | 0.595        | 98.1    | NA      |           |           |        |                        | 1,320                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 9/8/2021                                                                                  | NA                               | 105      | <0.100   | 0.540        | 0.590        | 97.3    | NA      |           |           |        |                        | 1,280                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 9/14/2021                                                                                 | NA                               | 124      | <0.100   | 0.542        | 0.386        | 107     | NA      |           |           |        |                        | 1,270                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 9/21/2021                                                                                 | NA                               | 90.5     | 0.426 J  | 0.638        | 1.04         | 89.1    | NA      |           |           |        |                        | 1,250                              | <4.00                            | NA                   | 6.3  |      |  |      |
|                                                                                        | 9/29/2021                                                                                 | NA                               | 133      | 0.245 J  | 0.631        | 0.982        | 117     | NA      |           |           |        |                        | 1,300                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 10/7/2021                                                                                 | NA                               | 108      | 0.201 J  | 0.581        | 0.564        | 96.6    | NA      |           |           |        |                        | 1,280                              | <4.00                            | NA                   | 6.4  |      |  |      |
|                                                                                        | 10/13/2021                                                                                | NA                               | 178      | 0.140 J  | 0.734        | 0.507        | 131     | NA      |           |           |        |                        | 1,320                              | <4.00                            | NA                   | 6.5  |      |  |      |
|                                                                                        | 10/21/2021                                                                                | NA                               | 102      | 0.133 J  | 0.635        | 0.787        | 93.3    | NA      |           |           |        |                        | 1,270                              | <4.00                            | NA                   | 6.5  |      |  |      |
|                                                                                        | 11/5/2021                                                                                 | NA                               | 141      | 0.363 J  | <0.0391      | 0.454        | 108     | NA      |           |           |        |                        | 1,250                              | <4.00                            | NA                   | 6.6  |      |  |      |
|                                                                                        | 11/11/2021                                                                                | NA                               | 115      | <0.100   | 0.677        | 0.374        | 97.6    | NA      |           |           |        |                        | 1,240                              | <4.00                            | NA                   | 6.5  |      |  |      |
|                                                                                        | 11/18/2021                                                                                | NA                               | 103      | <0.100   | 0.600        | 1.28         | 98.1    | NA      |           |           |        |                        | 1,140                              | <4.00                            | NA                   | 6.6  |      |  |      |
|                                                                                        | 11/24/2021                                                                                | NA                               | 163      | <0.500   | 0.680        | 0.539        | 127     | NA      |           |           |        |                        | 1,500                              | <4.00                            | NA                   | 6.3  |      |  |      |
|                                                                                        | 12/1/2021                                                                                 | NA                               | 120      | 0.148 J  | 0.604        | 0.511        | 103     | NA      |           |           |        |                        | 1,240                              | <4.00                            | NA                   | 6.9  |      |  |      |
|                                                                                        | 12/8/2021                                                                                 | NA                               | 188      | <0.100   | 0.759        | 0.684        | 123     | NA      |           |           |        |                        | 1,250                              | <4.00                            | NA                   | 6.3  |      |  |      |
| 12/16/2021                                                                             | NA                                                                                        | 134                              | <0.100   | 0.529    | <0.0293      | 113          | NA      |         |           |           |        | 1,180                  | <4.00                              | NA                               | 6.3                  |      |      |  |      |
| 12/22/2021                                                                             | NA                                                                                        | 163                              | <0.100   | 0.670    | 0.462        | 122          | NA      |         |           |           |        | 1,280                  | <4.00                              | NA                               | 6.4                  |      |      |  |      |
| 12/29/2021                                                                             | NA                                                                                        | 210                              | <0.100   | 1.02     | 0.415        | 115          | NA      |         |           |           |        | 1,280                  | <4.00                              | NA                               | 6.3                  |      |      |  |      |
| 1/6/2022                                                                               | NA                                                                                        | 106                              | <0.100   | 0.559    | 0.746        | 97.5         | NA      |         |           |           |        | 1,300                  | <4.00                              | NA                               | 6.4                  |      |      |  |      |
| 1/12/2022                                                                              | NA                                                                                        | 73.9                             | 0.288 J  | 0.506    | 1.47         | 92.2         | NA      |         |           |           |        | 1,150                  | <4.00                              | NA                               | 6.2                  |      |      |  |      |
| 1/19/2022                                                                              | NA                                                                                        | 120                              | <0.100   | 0.591    | 0.757        | 104          | NA      |         |           |           |        | 1,290                  | <4.00                              | NA                               | 6.1                  |      |      |  |      |
| 1/26/2022                                                                              | NA                                                                                        | 120                              | <0.100   | 0.592    | 0.608        | 100          | NA      |         |           |           |        | 1,270                  | <4.00                              | NA                               | 6.1                  |      |      |  |      |
| 2/2/2022                                                                               | Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze. |                                  |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |      |  |      |
| 2/8/2022                                                                               | NA                                                                                        | 148                              | 0.156 J  | 0.683    | 1.03         | 125          | NA      |         |           |           |        | 1,290                  | <4.00                              | NA                               | 6.1                  |      |      |  |      |
| 2/16/2022                                                                              | NA                                                                                        | 186                              | 0.409 J  | 0.809    | 0.338        | 113          | NA      |         |           |           |        | 1,320                  | <4.00                              | NA                               | 6.2                  |      |      |  |      |
| 2/25/2022                                                                              | NA                                                                                        | 133                              | 0.704    | 0.536    | 0.647        | 154          | NA      |         |           |           |        | 1,280                  | <4.00                              | NA                               | 6.3                  |      |      |  |      |
| 3/3/2022                                                                               | NA                                                                                        | 126                              | <0.100   | 0.776    | 0.992        | 112          | NA      |         |           |           |        | 1,360                  | <4.00                              | NA                               | 6.1                  |      |      |  |      |
| 3/9/2022                                                                               | NA                                                                                        | 167                              | <0.100   | 0.789    | 2.12         | 133          | NA      |         |           |           |        | 1,330                  | <4.00                              | NA                               | 6.2                  |      |      |  |      |
| 3/14/2022                                                                              | Booster Pump for Levey Well Repaired and Back on Running Full Time.                       |                                  |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |      |  |      |
| 3/16/2022                                                                              | NA                                                                                        | 165                              | <0.100   | 0.890    | 1.47         | 135          | NA      |         |           |           |        | 1,350                  | <4.00                              | NA                               | 6.2                  |      |      |  |      |
| 3/24/2022                                                                              | NA                                                                                        | 140                              | <0.100   | <0.0391  | 0.389        | 120          | NA      |         |           |           |        | 1,320                  | <4.00                              | NA                               | 6.3                  |      |      |  |      |



TABLE 2  
GROUNDWATER SAMPLING (General Water Chemistry) ANALYTICAL DATA SUMMARY  
Levey Well  
Oxy Permian Ltd.  
Hobbs, New Mexico  
Ensolum Project No. 03B1417001 / 03B1417002

| Sample Designation                                                                     | Date       | (mg/L)  |          |          |              |              |         |         |           |           |        |                        |                                    |                                  | %                    | SU  |
|----------------------------------------------------------------------------------------|------------|---------|----------|----------|--------------|--------------|---------|---------|-----------|-----------|--------|------------------------|------------------------------------|----------------------------------|----------------------|-----|
|                                                                                        |            | Bromide | Chloride | Fluoride | Nitrate as N | Nitrite as N | Sulfate | Calcium | Magnesium | Potassium | Sodium | Total Dissolved Solids | Alkalinity, Bicarbonate (as CaCO3) | Alkalinity, Carbonate (as CaCO3) | Cation-Anion Balance | pH  |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards |            | NE      | 250.0    | 1.6      | 10.0         | 1.0          | NE      | NE      | NE        | NE        | NE     | 1,000.0                | NE                                 | NE                               | NE                   | 6-9 |
| MW-2                                                                                   | 3/31/2022  | NA      | 150      | <0.100   | <0.0391      | 1.65         | 106     |         |           | NA        |        |                        | 1,340                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 4/6/2022   | NA      | 130      | 0.175 J  | 0.619        | 1.60         | 111     |         |           | NA        |        |                        | 1,360                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 4/13/2022  | NA      | 135      | 0.271 J  | 0.589        | 1.67         | 108     |         |           | NA        |        |                        | 1,380                              | <4.00                            | NA                   | 6.5 |
|                                                                                        | 4/20/2022  | NA      | 198      | 0.174 J  | 0.966        | 0.722        | 121     |         |           | NA        |        |                        | 1,330                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 4/28/2022  | NA      | 156      | 0.172 J  | 0.711        | 0.434        | 118     |         |           | NA        |        |                        | 1,380                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 5/5/2022   | NA      | 116      | 0.229 J  | 0.586        | 11.5         | 112     |         |           | NA        |        |                        | 1,330                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 5/10/2022  | NA      | 134      | 0.230 J  | 0.548        | 1.83         | 120     |         |           | NA        |        |                        | 1,320                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 5/19/2022  | NA      | 133      | 0.116 J  | <0.0391      | 0.373        | 118     |         |           | NA        |        |                        | 1,380                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 5/26/2022  | NA      | 107      | 0.196 J  | 0.392        | 1.14         | 104     |         |           | NA        |        |                        | 1,320                              | <4.00                            | NA                   | 6.0 |
|                                                                                        | 6/1/2022   | NA      | 130      | 0.107 J  | 0.481        | 1.47         | 116     |         |           | NA        |        |                        | 1,340                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 6/9/2022   | NA      | 103      | <0.100   | 0.330        | 0.236        | 103     |         |           | NA        |        |                        | 1,320                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 6/17/2022  | NA      | 99.0     | 0.213 J  | 0.395        | 0.702        | 102     |         |           | NA        |        |                        | 1,290                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 6/23/2022  | NA      | 109      | <0.100   | 0.494        | 5.21         | 107     |         |           | NA        |        |                        | 1,270                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 6/29/2022  | NA      | 82.6     | 0.111 J  | 0.351        | 0.827        | 89.7    |         |           | NA        |        |                        | 1,330                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 7/7/2022   | NA      | 107      | 0.141 J  | 0.399        | 0.440        | 98.3    |         |           | NA        |        |                        | 1,300                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 7/13/2022  | NA      | 95.3     | 0.262 J  | 0.306        | 1.23         | 100     |         |           | NA        |        |                        | 1,280                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 7/20/2022  | NA      | 134      | <0.100   | 0.485        | 1.46         | 122     |         |           | NA        |        |                        | 1,360                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 7/27/2022  | NA      | 101      | <0.100   | 0.403        | 3.86         | 105     |         |           | NA        |        |                        | 1,340                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 8/4/2022   | NA      | 107      | 0.112 J  | 0.451        | 0.477        | 99.9    |         |           | NA        |        |                        | 1,250                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 8/10/2022  | NA      | 89.4     | 0.189 J  | 0.189        | 0.210        | 97.2    |         |           | NA        |        |                        | 1,260                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 8/18/2022  | NA      | 99.1     | 0.122 J  | 0.333        | 0.303        | 100     |         |           | NA        |        |                        | 1,280                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 8/24/2022  | NA      | 110      | 0.172 J  | 0.282        | 0.427        | 103     |         |           | NA        |        |                        | 1,290                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 8/31/2022  | NA      | 94.8     | <0.100   | 0.175        | 0.238        | 94.4    |         |           | NA        |        |                        | 1,280                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 9/15/2022  | NA      | 94.4     | 0.538    | 0.232        | 2.31         | 98.7    |         |           | NA        |        |                        | 1,320                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 9/22/2022  | NA      | 94.4     | 0.260 J  | 0.650        | 0.481        | 105     |         |           | NA        |        |                        | 1,320                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 9/28/2022  | NA      | 91.2     | 0.498 J  | 0.261        | <0.0293      | 92.5    |         |           | NA        |        |                        | 1,280                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 10/4/2022  | NA      | 88.9     | 0.143 J  | 0.497        | 0.189        | 97.0    |         |           | NA        |        |                        | 1,320                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 10/14/2022 | NA      | 82.6     | 0.101 J  | <0.0391      | 0.0760 J     | 84.6    |         |           | NA        |        |                        | 1,320                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 10/19/2022 | NA      | 51.2     | <0.100   | 0.101        | <0.0293      | 48.5    |         |           | NA        |        |                        | 1,290                              | <4.00                            | NA                   | 6.5 |
|                                                                                        | 10/27/2022 | NA      | 124      | 0.165 J  | 0.319        | 0.871        | 104     |         |           | NA        |        |                        | 1,340                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 11/2/2022  | NA      | 91.1     | 0.148 J  | 0.221        | 0.947        | 92.9    |         |           | NA        |        |                        | 1,330                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 11/9/2022  | NA      | 97.8     | 0.161 J  | 0.273        | 0.366        | 101     |         |           | NA        |        |                        | 1,430                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 11/16/2022 | NA      | 86.0     | 0.180 J  | 0.206        | 0.579        | 91.4    |         |           | NA        |        |                        | 1,300                              | <4.00                            | NA                   | 6.6 |
|                                                                                        | 11/30/2022 | NA      | 90.4     | 0.133 J  | 0.264        | 0.168        | 91.1    |         |           | NA        |        |                        | 1,300                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 12/9/2022  | NA      | 78.0     | 0.158 J  | 0.217        | 0.785        | 82.5    |         |           | NA        |        |                        | 1,290                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 12/15/2022 | NA      | 100      | 0.120 J  | 0.331        | 1.64         | 91.2    |         |           | NA        |        |                        | 1,140                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 12/21/2022 | NA      | 94.8     | 0.212 J  | 0.252        | 1.16         | 99.5    |         |           | NA        |        |                        | 1,270                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 12/29/2022 | NA      | 124      | 0.114 J  | 0.527        | 0.338        | 95.6    |         |           | NA        |        |                        | 1,250                              | <4.00                            | NA                   | 6.5 |
|                                                                                        | 1/4/2023   | NA      | 92.6     | 0.126 J  | 0.318        | 1.23         | 88.2    |         |           | NA        |        |                        | 1,140                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 1/13/2023  | NA      | 72.6     | 0.112 J  | 0.227        | 0.381        | 81.1    |         |           | NA        |        |                        | 1,210                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 1/19/2023  | NA      | 96.5     | 0.135 J  | 0.185        | 0.320        | 96.7    |         |           | NA        |        |                        | 1,270                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 1/25/2023  | NA      | 83.2     | 0.133 J  | 0.128        | 0.416        | 87.9    |         |           | NA        |        |                        | 1,110                              | <4.00                            | NA                   | 6.5 |
|                                                                                        | 2/2/2023   | NA      | 80.8     | <0.100   | 0.273        | 0.334        | 84.7    |         |           | NA        |        |                        | 1,180                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 2/8/2023   | NA      | 89.2     | <0.100   | 0.180        | 0.392        | 92.3    |         |           | NA        |        |                        | 1,300                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 2/17/2023  | NA      | 89.9     | 0.226 J  | 0.194        | 0.178        | 96.2    |         |           | NA        |        |                        | 1,300                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 2/22/2023  | NA      | 98.9     | 0.113 J  | 0.606        | 0.162        | 70.9    |         |           | NA        |        |                        | 1,310                              | <4.00                            | NA                   | 6.1 |
|                                                                                        | 3/3/2023   | NA      | 130      | <0.100   | 0.450        | 0.204        | 95.4    |         |           | NA        |        |                        | 1,200                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 3/8/2023   | NA      | 86.9     | <0.100   | 0.139        | 0.239        | 94.5    |         |           | NA        |        |                        | 1,230                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 3/15/2023  | NA      | 89.8     | <0.100   | 0.190        | 0.389        | 95.7    |         |           | NA        |        |                        | 1,190                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 3/23/2023  | NA      | 74.9     | 0.138 J  | 0.107        | 0.208        | 88.5    |         |           | NA        |        |                        | 1,250                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 3/29/2023  | NA      | 81.8     | <0.100   | 0.150        | 0.975        | 90.9    |         |           | NA        |        |                        | 1,250                              | <4.00                            | NA                   | 6.2 |
|                                                                                        | 4/6/2023   | NA      | 83.9     | <0.100   | 0.112        | <0.0293      | 91.2    |         |           | NA        |        |                        | 1,300                              | <4.00                            | NA                   | 6.5 |
|                                                                                        | 4/14/2023  | NA      | 154      | 0.533    | 0.577        | <0.0293      | 99.0    |         |           | NA        |        |                        | 1,380                              | <4.00                            | NA                   | 6.8 |
|                                                                                        | 4/26/2023  | NA      | 78.7     | <0.100   | 0.194        | 1.49         | 89.3    |         |           | NA        |        |                        | 1,320                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 5/2/2023   | NA      | 78.4     | <0.100   | 0.508        | 0.464        | 94.5    |         |           | NA        |        |                        | 1,310                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 5/11/2023  | NA      | 90.3     | 0.159 J  | 1.62         | 0.427        | 92.1    |         |           | NA        |        |                        | 1,280                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 5/15/2023  | NA      | 77.7     | <0.100   | 0.886        | 0.245        | 86.7    |         |           | NA        |        |                        | 1,210                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 5/25/2023  | NA      | 74.3     | 0.113 J  | 0.166        | 1.47         | 81.9    |         |           | NA        |        |                        | 1,330                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 5/30/2023  | NA      | 77.2     | <0.100   | 0.551        | 0.721        | 92.1    |         |           | NA        |        |                        | 1,340                              | <4.00                            | NA                   | 6.3 |
|                                                                                        | 6/9/2023   | NA      | 73.4     | 0.129 J  | 0.245        | 0.720        | 87.1    |         |           | NA        |        |                        | 1,310                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 6/15/2023  | NA      | 78.0     | 0.172 J  | 0.197        | 1.01         | 89.6    |         |           | NA        |        |                        | 1,310                              | <4.00                            | NA                   | 6.4 |
|                                                                                        | 6/23/2023  | NA      | 99.1     | 0.463 J  | 0.110        | 0.318        | 38.7    |         |           | NA        |        |                        | 788                                | <4.00                            | NA                   | 7.4 |
|                                                                                        | 6/26/2023  | NA      | 76.0     | <0.100   | 0.162        | 6.73         | 90.5    |         |           | NA        |        |                        | 1,340                              | <4.00                            | NA                   | 6.4 |

NOTES:  
SU - standard units  
mg/L - milligrams per Liter  
NE - not established  
NA - not analyzed  
J - The target analyte was positively identified below the quantitation limit and above the detection limit.  
Concentrations highlighted in yellow exceed the NMAC Human Health Standards



| TABLE 3<br>GROUNDWATER SAMPLING (Additional Parameters) ANALYTICAL DATA SUMMARY<br>South Hobbs GISA Unit<br>Oxy Permian Ltd.<br>Hobbs, New Mexico<br>Ensolum Project No. 03B1417002 |            |                                                                                           |                       |         |         |         |           |             |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------|-----------------------|---------|---------|---------|-----------|-------------|--|
| Sample Designation                                                                                                                                                                  | Date       | (mg/L)                                                                                    |                       |         |         |         |           | °C          |  |
|                                                                                                                                                                                     |            | Sulfide                                                                                   | Carbon Dioxide (Free) | TPH GRO | TPH DRO | TPH ORO | Total TPH | Temperature |  |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards                                                                                              |            | NE                                                                                        | NE                    | NE      | NE      | NE      | NE        | NE          |  |
| MW-1                                                                                                                                                                                | 5/26/2020  | <0.495                                                                                    | 163                   | <0.943  | 1.48    | <0.910  | 1.48      | 22.9        |  |
|                                                                                                                                                                                     | 6/30/2020  | <5.00                                                                                     | 648                   | <2.34   | <2.34   | <2.34   | <2.34     | 21.9        |  |
|                                                                                                                                                                                     | 8/20/2020  | <5.00                                                                                     | 596                   | 2.35    | 3.18    | <2.26   | 5.53      | 23.7        |  |
|                                                                                                                                                                                     | 11/24/2020 | <0.495                                                                                    | 756                   | <0.907  | <0.838  | <0.838  | <0.8380   | 19.1        |  |
|                                                                                                                                                                                     | 12/18/2020 | <0.495                                                                                    | 432                   | <0.909  | <0.840  | <0.840  | <0.840    | 15.8        |  |
|                                                                                                                                                                                     | 12/23/2020 | <0.495                                                                                    | 553                   | <0.895  | 1.81 J  | <0.827  | 1.81 J    | 15.5        |  |
|                                                                                                                                                                                     | 12/30/2020 | <0.495                                                                                    | 1,170                 | <0.917  | <0.847  | <0.847  | <0.847    | 13.1        |  |
|                                                                                                                                                                                     | 1/6/2021   | <0.495                                                                                    | 585                   | <0.897  | <0.829  | <0.829  | <0.829    | 12.7        |  |
|                                                                                                                                                                                     | 1/12/2021  | <0.495                                                                                    | 731                   | <0.891  | <0.823  | <0.823  | <0.823    | 14.6        |  |
|                                                                                                                                                                                     | 1/20/2021  | 0.600 J                                                                                   | 667                   | <0.889  | <0.821  | <0.821  | <0.821    | 17.6        |  |
|                                                                                                                                                                                     | 1/27/2021  | 0.800 J                                                                                   | 668                   | <0.909  | <0.840  | <0.840  | <0.840    | 18.0        |  |
|                                                                                                                                                                                     | 2/3/2021   | <0.495                                                                                    | 699                   | <0.907  | <0.838  | <0.838  | <0.838    | 20.6        |  |
|                                                                                                                                                                                     | 2/10/2021  | 1.20 J                                                                                    | 423                   | 1.66 J  | <0.828  | <0.828  | 1.66 J    | 14.1        |  |
|                                                                                                                                                                                     | 2/24/2021  | 0.600 J                                                                                   | 448                   | <0.884  | <0.817  | <0.817  | <0.817    | 18.0        |  |
|                                                                                                                                                                                     | 3/4/2021   | <0.495                                                                                    | 515                   | 3.04    | 1.03 J  | <0.846  | 4.07      | 18.8        |  |
|                                                                                                                                                                                     | 3/10/2021  | 1.20 J                                                                                    | 499                   | <0.878  | <0.811  | <0.811  | <0.811    | 18.6        |  |
|                                                                                                                                                                                     | 3/17/2021  | <0.495                                                                                    | 378                   | <0.886  | <0.819  | <0.819  | <0.819    | 19.1        |  |
|                                                                                                                                                                                     | 3/25/2021  | <0.495                                                                                    | 333                   | 17.2    | 1.00 J  | <0.867  | 18.2      | 20.2        |  |
|                                                                                                                                                                                     | 3/31/2021  | <0.495                                                                                    | 526                   | <0.893  | <0.825  | <0.825  | <0.825    | 18.4        |  |
|                                                                                                                                                                                     | 4/8/2021   | <0.495                                                                                    | 364                   | 2.57 J  | 1.55 J  | <0.867  | 4.12 J    | 18.9        |  |
|                                                                                                                                                                                     | 4/15/2021  | <0.495                                                                                    | 418                   | <0.887  | <0.887  | 1.72 J  | 1.72 J    | 20.5        |  |
|                                                                                                                                                                                     | 4/21/2021  | <0.495                                                                                    | 415                   | <0.898  | 2.05 J  | <0.867  | 2.05 J    | 18.8        |  |
|                                                                                                                                                                                     | 4/28/2021  | <0.495                                                                                    | 689                   | <0.890  | 1.19 J  | <0.859  | 1.19 J    | 18.9        |  |
|                                                                                                                                                                                     | 5/5/2021   | <0.495                                                                                    | 647                   | <0.890  | <0.890  | <0.859  | <0.890    | 18.8        |  |
|                                                                                                                                                                                     | 5/13/2021  | <0.495                                                                                    | 259                   | <0.893  | <0.893  | <0.862  | <0.893    | 19.0        |  |
|                                                                                                                                                                                     | 5/19/2021  | <0.495                                                                                    | 679                   | <0.893  | <0.893  | <0.862  | <0.893    | 21.5        |  |
|                                                                                                                                                                                     | 5/27/2021  | <0.495                                                                                    | 973                   | <0.923  | <0.923  | <0.891  | <0.923    | 20.6        |  |
|                                                                                                                                                                                     | 6/2/2021   | <0.495                                                                                    | 619                   | <0.918  | <0.918  | <0.886  | <0.918    | 18.1        |  |
|                                                                                                                                                                                     | 6/10/2021  | <0.495                                                                                    | 385                   | <0.915  | <0.915  | <0.883  | <0.915    | 22.0        |  |
|                                                                                                                                                                                     | 6/16/2021  | <0.495                                                                                    | 323                   | <0.926  | <0.926  | <0.894  | <0.926    | 18.2        |  |
|                                                                                                                                                                                     | 6/22/2021  | <0.495                                                                                    | 250                   | <0.938  | <0.938  | <0.905  | <0.938    | 22.1        |  |
|                                                                                                                                                                                     | 6/30/2021  | <0.495                                                                                    | 324                   | <0.923  | <0.923  | <0.891  | <0.923    | 21.0        |  |
|                                                                                                                                                                                     | 7/1/2021   | Levey Well Now Running Full Time                                                          |                       |         |         |         |           |             |  |
|                                                                                                                                                                                     | 7/7/2021   | <0.495                                                                                    | 241                   | <0.901  | <0.901  | <0.869  | <0.901    | 18.4        |  |
|                                                                                                                                                                                     | 7/14/2021  | <0.495                                                                                    | 295                   | <0.991  | <0.957  | <0.991  | <0.991    | 19.0        |  |
|                                                                                                                                                                                     | 7/20/2021  | <0.495                                                                                    | 321                   | <0.938  | <0.938  | <0.905  | <0.938    | 19.8        |  |
|                                                                                                                                                                                     | 7/27/2021  | <0.495                                                                                    | 321                   | <0.906  | <0.906  | <0.875  | <0.906    | 22.0        |  |
|                                                                                                                                                                                     | 8/5/2021   | <0.495                                                                                    | 196                   | <0.950  | <0.950  | <0.917  | <0.950    | 21.9        |  |
|                                                                                                                                                                                     | 8/11/2021  | <0.495                                                                                    | 369                   | <0.932  | <0.932  | <0.900  | <0.932    | 19.9        |  |
|                                                                                                                                                                                     | 8/19/2021  | <0.495                                                                                    | 457                   | <0.950  | <0.950  | <0.917  | <0.950    | 20.8        |  |
|                                                                                                                                                                                     | 8/25/2021  | <0.495                                                                                    | 477                   | <0.918  | <0.918  | <0.886  | <0.918    | 20.0        |  |
|                                                                                                                                                                                     | 9/2/2021   | <0.495                                                                                    | 416                   | <0.935  | <0.935  | <0.902  | <0.935    | 20.6        |  |
|                                                                                                                                                                                     | 9/8/2021   | <0.495                                                                                    | 280                   | <0.953  | <0.953  | <0.920  | <0.953    | 21.4        |  |
|                                                                                                                                                                                     | 9/14/2021  | <0.495                                                                                    | 289                   | <0.932  | 0.978 J | <0.900  | 0.978 J   | 19.3        |  |
|                                                                                                                                                                                     | 9/21/2021  | 1.00 J                                                                                    | 105                   | <0.918  | <0.918  | <0.886  | <0.918    | 18.0        |  |
|                                                                                                                                                                                     | 9/29/2021  | <0.495                                                                                    | 127                   | <0.998  | <0.998  | <0.963  | <0.998    | 18.7        |  |
|                                                                                                                                                                                     | 10/7/2021  | <0.495                                                                                    | 143                   | <0.923  | <0.923  | <0.891  | <0.923    | 18.0        |  |
|                                                                                                                                                                                     | 10/13/2021 | <0.495                                                                                    | 8.85                  | <0.950  | <0.950  | <0.917  | <0.950    | 20.7        |  |
|                                                                                                                                                                                     | 10/21/2021 | <0.495                                                                                    | 434                   | <0.918  | <0.918  | <0.886  | <0.918    | 19.9        |  |
|                                                                                                                                                                                     | 11/5/2021  | <0.495                                                                                    | 114                   | <1.03   | <1.03   | <0.993  | <1.03     | 22.9        |  |
|                                                                                                                                                                                     | 11/11/2021 | <0.495                                                                                    | 563                   | <0.923  | <0.923  | <0.891  | <0.923    | 19.3        |  |
|                                                                                                                                                                                     | 11/18/2021 | <0.495                                                                                    | 24.9                  | 1.05 J  | <0.969  | <0.935  | 1.05 J    | 19.0        |  |
|                                                                                                                                                                                     | 11/24/2021 | <5.00                                                                                     | 159                   | <4.70   | <4.70   | <4.70   | <4.70     | 19.7        |  |
|                                                                                                                                                                                     | 12/1/2021  | <0.495                                                                                    | 39.0                  | <0.935  | <0.935  | <0.902  | <0.935    | 19.4        |  |
|                                                                                                                                                                                     | 12/8/2021  | <0.495                                                                                    | 122                   | <0.929  | <0.929  | <0.897  | <0.929    | 18.1        |  |
|                                                                                                                                                                                     | 12/16/2021 | <0.495                                                                                    | 69.3                  | <0.962  | <0.962  | <0.929  | <0.962    | 18.0        |  |
|                                                                                                                                                                                     | 12/22/2021 | <0.495                                                                                    | 49.5                  | 1.34 J  | <0.941  | <0.908  | 1.34 J    | 21.5        |  |
|                                                                                                                                                                                     | 12/29/2021 | <0.495                                                                                    | 50.2                  | <0.935  | <0.935  | <0.902  | <0.935    | 18.1        |  |
|                                                                                                                                                                                     | 1/6/2022   | <0.495                                                                                    | 67.0                  | <0.932  | <0.932  | <0.900  | <0.932    | 18.0        |  |
|                                                                                                                                                                                     | 1/12/2022  | <0.495                                                                                    | 130                   | 0.960 J | 1.06 J  | <0.900  | 2.02 J    | 21.7        |  |
|                                                                                                                                                                                     | 1/19/2022  | <0.495                                                                                    | 56.4                  | <0.912  | <0.912  | <0.880  | <0.912    | 18.0        |  |
|                                                                                                                                                                                     | 1/26/2022  | <0.495                                                                                    | 44.7                  | <0.898  | <0.898  | <0.867  | <0.898    | 18.8        |  |
|                                                                                                                                                                                     | 2/2/2022   | Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze. |                       |         |         |         |           |             |  |
|                                                                                                                                                                                     | 2/8/2022   | <0.495                                                                                    | 95.7                  | <0.895  | <0.895  | <0.864  | <0.895    | 20.8        |  |
|                                                                                                                                                                                     | 2/16/2022  | <0.495                                                                                    | 61.0                  | <0.877  | <0.877  | <0.846  | <0.877    | 18.7        |  |
|                                                                                                                                                                                     | 2/25/2022  | <0.495                                                                                    | 54.2                  | <0.923  | <0.923  | <0.891  | <0.923    | 20.0        |  |
|                                                                                                                                                                                     | 3/3/2022   | <0.495                                                                                    | 90.5                  | <0.935  | <0.935  | <0.902  | <0.935    | 18.2        |  |
|                                                                                                                                                                                     | 3/9/2022   | <0.495                                                                                    | 40.7                  | <0.874  | <0.874  | <0.874  | <0.874    | 18.1        |  |
|                                                                                                                                                                                     | 3/14/2022  | Booster Pump for Levey Well Repaired and Back on Running Full Time.                       |                       |         |         |         |           |             |  |
|                                                                                                                                                                                     | 3/16/2022  | <0.495                                                                                    | 67.6                  | <0.959  | <0.959  | <0.959  | <0.959    | 18.1        |  |
|                                                                                                                                                                                     | 3/24/2022  | <0.495                                                                                    | 37.5                  | <0.901  | <0.901  | <0.869  | <0.901    | 18.9        |  |
|                                                                                                                                                                                     | 3/31/2022  | <0.495                                                                                    | 43.7                  | <0.926  | <0.926  | <0.894  | <0.926    | 19.0        |  |
|                                                                                                                                                                                     | 4/6/2022   | <0.495                                                                                    | 41.6                  | <0.926  | <0.926  | <0.894  | <0.926    | 18.1        |  |
|                                                                                                                                                                                     | 4/13/2022  | <0.495                                                                                    | 13.0                  | <0.918  | <0.918  | <0.886  | <0.918    | 19.0        |  |
|                                                                                                                                                                                     | 4/20/2022  | <0.495                                                                                    | 72.4                  | <0.904  | <0.904  | <0.872  | <0.904    | 18.3        |  |
|                                                                                                                                                                                     | 4/28/2022  | <0.495                                                                                    | 18.9                  | <0.890  | <0.890  | <0.859  | <0.890    | 19.9        |  |
|                                                                                                                                                                                     | 5/5/2022   | <0.495                                                                                    | 31.8                  | <0.912  | <0.912  | <0.880  | <0.912    | 19.5        |  |
| 5/10/2022                                                                                                                                                                           | 1.20 J     | 31.5                                                                                      | <0.985                | <0.985  | <0.950  | <0.985  | 16.7      |             |  |
| 5/19/2022                                                                                                                                                                           | 0.600 J    | 41.5                                                                                      | <0.926                | <0.926  | <0.894  | <0.926  | 20.3      |             |  |
| 5/26/2022                                                                                                                                                                           | 1.00 J     | 32.2                                                                                      | <0.920                | <0.920  | <0.888  | <0.920  | 18.0      |             |  |
| 6/1/2022                                                                                                                                                                            | 0.800 J    | 19.0                                                                                      | <0.926                | <0.926  | <0.894  | <0.926  | 20.5      |             |  |
| 6/9/2022                                                                                                                                                                            | 0.600 J    | 24.6                                                                                      | <0.962                | <0.962  | <0.929  | <0.962  | 20.3      |             |  |
| 6/17/2022                                                                                                                                                                           | <0.495     | 21.1                                                                                      | <0.918                | <0.918  | <0.886  | <0.918  | 18.3      |             |  |
| 6/23/2022                                                                                                                                                                           | 0.800 J    | 32.5                                                                                      | <0.932                | <0.932  | <0.900  | <0.932  | 18.0      |             |  |
| 6/29/2022                                                                                                                                                                           | 1.00 J     | 33.2                                                                                      | 0.954 J               | <0.923  | <0.891  | 0.954 J | 15.8      |             |  |
| 7/7/2022                                                                                                                                                                            | 0.600 J    | 22.2                                                                                      | <0.947                | <0.947  | <0.914  | <0.947  | 23.1      |             |  |
| 7/13/2022                                                                                                                                                                           | <0.495     | 31.9                                                                                      | <0.950                | <0.950  | <0.917  | <0.950  | 20.6      |             |  |
| 7/20/2022                                                                                                                                                                           | <0.495     | 31.4                                                                                      | <0.959                | <0.959  | <0.926  | <0.959  | 20.0      |             |  |
| 7/27/2022                                                                                                                                                                           | <0.495     | 10.6                                                                                      | <0.904                | <0.904  | <0.872  | <0.904  | 17.6      |             |  |
| 8/4/2022                                                                                                                                                                            | 0.800 J    | 31.9                                                                                      | <0.906                | <0.906  | <0.875  | <0.906  | 19.2      |             |  |
| 8/10/2022                                                                                                                                                                           | 1.00 J     | 35.0                                                                                      | <0.929                | <0.929  | <0.897  | <0.929  | 19.8      |             |  |
| 8/18/2022                                                                                                                                                                           | <0.495     | 52.4                                                                                      | <1.04                 | <1.04   | <1.00   | <1.04   | 20.7      |             |  |
| 8/24/2022                                                                                                                                                                           | 1.40 J     | 34.4                                                                                      | <4.78                 | <4.78   | <4.78   | <4.78   | 18.2      |             |  |
| 8/31/2022                                                                                                                                                                           | 1.20 J     | 22.0                                                                                      | <0.932                | <0.932  | <0.900  | <0.932  | 19.9      |             |  |
| 9/15/2022                                                                                                                                                                           | 0.800 J    | 55.4                                                                                      | <0.988                | <0.988  | <0.954  | <0.988  | 18.6      |             |  |
| 9/22/2022                                                                                                                                                                           | <0.495     | 28.0                                                                                      | <0.944                | <0.944  | <0.911  | <0.944  | 21.0      |             |  |
| 9/28/2022                                                                                                                                                                           | 1.20 J     | 28.5                                                                                      | <0.956                | <0.956  | <0.923  | <0.956  | 17.9      |             |  |
| 10/4/2022                                                                                                                                                                           | 0.800 J    | 34.2                                                                                      | <0.895                | <0.895  | <0.864  | <0.895  | 17.8      |             |  |
| 10/14/2022                                                                                                                                                                          | 1.20 J     | 26.6                                                                                      | <0.935                | <0.935  | <0.902  | <0.935  | 18.7      |             |  |
| 10/19/2022                                                                                                                                                                          | <0.495     | 22.4                                                                                      | <0.981                | <0.981  | <0.947  | <0.981  | 18.4      |             |  |
| 10/27/2022                                                                                                                                                                          | <0.495     | 22.0                                                                                      | <1.00                 | <1.00   | <0.968  | <1.00   | 25.0      |             |  |
| 11/2/2022                                                                                                                                                                           | <0.495     | 31.7                                                                                      | <0.972                | <0.972  | <0.938  | <0.972  | 25.0      |             |  |
| 11/9/2022                                                                                                                                                                           | <0.495     | 33.0                                                                                      | <0.972                | <0.972  | <0.938  | <0.972  | 21.4      |             |  |
| 11/16/2022                                                                                                                                                                          | <0.495     | 28.2                                                                                      | <1.00                 | <1.00   | <0.970  | <1.00   | 18.0      |             |  |
| 11/30/2022                                                                                                                                                                          | <0.495     | 30.0                                                                                      | <0.915                | <0.915  | <0.883  | <0.915  | 18.5      |             |  |
| 12/9/2022                                                                                                                                                                           | <0.495     | 19.5                                                                                      | <1.00                 | <1.00   | <0.970  | <1.00   | 17.1      |             |  |
| 12/15/2022                                                                                                                                                                          | <0.495     | 43.9                                                                                      | <0.918                | <0.918  | <0.886  | <0.918  | 15.7      |             |  |
| 12/21/2022                                                                                                                                                                          | <0.495     | 37.8                                                                                      | <0.890                | <0.890  | <0.859  | <0.890  | 15.8      |             |  |
| 12/29/2022                                                                                                                                                                          | <0.495     | 64.9                                                                                      | <0.938                | <0.938  | <0.905  | <0.938  | 16.7      |             |  |





| TABLE 3<br>GROUNDWATER SAMPLING (Additional Parameters) ANALYTICAL DATA SUMMARY<br>South Hobbs GISA Unit<br>Oxy Permian Ltd.<br>Hobbs, New Mexico<br>Ensolum Project No. 03B1417002 |           |         |                       |         |         |         |           |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|-----------------------|---------|---------|---------|-----------|-------------|
| Sample Designation                                                                                                                                                                  | Date      | (mg/L)  |                       |         |         |         |           | °C          |
|                                                                                                                                                                                     |           | Sulfide | Carbon Dioxide (Free) | TPH GRO | TPH DRO | TPH ORO | Total TPH | Temperature |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards                                                                                              |           | NE      | NE                    | NE      | NE      | NE      | NE        | NE          |
| MW-1                                                                                                                                                                                | 1/4/2023  | <0.495  | 28.1                  | <0.923  | <0.923  | <0.891  | <0.923    | 15.9        |
|                                                                                                                                                                                     | 1/13/2023 | <0.495  | 45.0                  | <0.935  | <0.935  | <0.902  | <0.935    | 13.8        |
|                                                                                                                                                                                     | 1/19/2023 | 0.800 J | 53.9                  | <0.918  | <0.918  | <0.886  | <0.918    | 16.0        |
|                                                                                                                                                                                     | 1/25/2023 | <0.495  | 28.9                  | <1.00   | <1.00   | <0.966  | <1.00     | 19.5        |
|                                                                                                                                                                                     | 2/2/2023  | <0.495  | 52.2                  | <0.978  | <0.978  | <0.944  | <0.978    | 18.6        |
|                                                                                                                                                                                     | 2/8/2023  | <0.495  | 45.3                  | <0.969  | <0.969  | <0.935  | <0.969    | 16.9        |
|                                                                                                                                                                                     | 2/17/2023 | <0.495  | 27.2                  | <0.938  | <0.938  | <0.905  | <0.938    | 20.0        |
|                                                                                                                                                                                     | 2/22/2023 | <0.495  | 66.3                  | <0.906  | <0.906  | <0.875  | <0.906    | 18.7        |
|                                                                                                                                                                                     | 3/3/2023  | <0.495  | 39.0                  | <0.893  | <0.893  | <0.862  | <0.893    | 17.5        |
|                                                                                                                                                                                     | 3/8/2023  | <0.495  | 79.3                  | <1.01   | <1.01   | <0.976  | <1.01     | 18.6        |
|                                                                                                                                                                                     | 3/15/2023 | <0.495  | 65.4                  | 1.34 J  | <1.01   | <0.976  | 1.34 J    | 14.1        |
|                                                                                                                                                                                     | 3/23/2023 | <0.495  | 63.2                  | <0.938  | <0.938  | <0.905  | <0.938    | 18.2        |
|                                                                                                                                                                                     | 3/29/2023 | <0.495  | 75.1                  | <0.947  | <0.947  | <0.914  | <0.947    | 15.9        |
|                                                                                                                                                                                     | 4/6/2023  | <0.495  | 55.8                  | <0.920  | <0.920  | <0.888  | <0.920    | 15.8        |
|                                                                                                                                                                                     | 4/14/2023 | <0.495  | 44.1                  | <0.909  | <0.909  | <0.877  | <0.909    | 18.8        |
|                                                                                                                                                                                     | 4/26/2023 | <0.495  | 67.9                  | <0.981  | <0.981  | <0.947  | <0.981    | 19.8        |
|                                                                                                                                                                                     | 5/2/2023  | <0.495  | 86.9                  | <0.935  | <0.935  | <0.902  | <0.935    | 18.2        |
|                                                                                                                                                                                     | 5/11/2023 | <0.495  | 73.0                  | <0.912  | <0.912  | <0.880  | <0.912    | 18.1        |
|                                                                                                                                                                                     | 5/15/2023 | <0.495  | 116                   | <0.920  | <0.920  | <0.888  | <0.920    | 16.4        |
|                                                                                                                                                                                     | 5/25/2023 | <0.495  | 137                   | <0.935  | <0.935  | <0.902  | <0.935    | 17.6        |
|                                                                                                                                                                                     | 5/30/2023 | <0.495  | 693                   | <0.944  | <0.944  | <0.911  | <0.944    | 18.4        |
|                                                                                                                                                                                     | 6/9/2023  | <0.495  | 165                   | <0.941  | 2.21 J  | <0.908  | 2.21 J    | 19.1        |
|                                                                                                                                                                                     | 6/15/2023 | <0.495  | 168                   | <0.935  | <0.935  | <0.902  | <0.935    | 20.2        |
|                                                                                                                                                                                     | 6/23/2023 | <0.495  | 75.4                  | <0.991  | <0.991  | <0.957  | <0.991    | 20.2        |
|                                                                                                                                                                                     | 6/26/2023 | <0.495  | 186                   | <0.920  | <0.920  | <0.888  | <0.920    | 20.3        |



| TABLE 3<br>GROUNDWATER SAMPLING (Additional Parameters) ANALYTICAL DATA SUMMARY<br>South Hobbs GISA Unit<br>Oxy Permian Ltd.<br>Hobbs, New Mexico<br>Ensolum Project No. 03B1417002 |            |                                                                                           |                       |         |         |         |           |             |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------|-----------------------|---------|---------|---------|-----------|-------------|--|
| Sample Designation                                                                                                                                                                  | Date       | (mg/L)                                                                                    |                       |         |         |         |           | °C          |  |
|                                                                                                                                                                                     |            | Sulfide                                                                                   | Carbon Dioxide (Free) | TPH GRO | TPH DRO | TPH ORO | Total TPH | Temperature |  |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards                                                                                              |            | NE                                                                                        | NE                    | NE      | NE      | NE      | NE        | NE          |  |
| MW-2                                                                                                                                                                                | 5/26/2020  | <0.495                                                                                    | 923                   | 2.10    | 1.07 J  | <0.900  | 6.16      | 23.1        |  |
|                                                                                                                                                                                     | 6/30/2020  | <5.00                                                                                     | 1,290                 | <2.32   | <2.32   | <2.32   | <2.32     | 22.1        |  |
|                                                                                                                                                                                     | 8/20/2020  | <5.00                                                                                     | 1,150                 | 2.75    | 3.29    | <2.26   | 6.02      | 23.0        |  |
|                                                                                                                                                                                     | 11/24/2020 | <0.495                                                                                    | 1,300                 | 1.73 J  | 2.17 J  | <0.835  | 3,900     | 19.1        |  |
|                                                                                                                                                                                     | 12/18/2020 | 0.600 J                                                                                   | 958                   | 1.34 J  | 0.915 J | <0.824  | 2.26 J    | 15.1        |  |
|                                                                                                                                                                                     | 12/23/2020 | <0.495                                                                                    | 1,090                 | 1.61 J  | 1.12 J  | <0.837  | 2.73      | 15.6        |  |
|                                                                                                                                                                                     | 12/30/2020 | <0.495                                                                                    | 1,090                 | <0.893  | <0.825  | <0.825  | <0.825    | 12.1        |  |
|                                                                                                                                                                                     | 1/6/2021   | <0.495                                                                                    | 1,240                 | 1.99 J  | <0.824  | <0.824  | 1.99 J    | 13.1        |  |
|                                                                                                                                                                                     | 1/12/2021  | 11.2                                                                                      | 1,450                 | 1.64 J  | <0.833  | <0.833  | 1.64 J    | 13.9        |  |
|                                                                                                                                                                                     | 1/20/2021  | 9.60                                                                                      | 1,390                 | <0.907  | <0.838  | <0.838  | <0.838    | 18.2        |  |
|                                                                                                                                                                                     | 1/27/2021  | 15.0                                                                                      | 1,600                 | 1.31 J  | <0.834  | <0.834  | 1.31 J    | 13.4        |  |
|                                                                                                                                                                                     | 2/3/2021   | <0.495                                                                                    | 1,030                 | 0.955 J | 1.15 J  | <0.813  | 2.11 J    | 20.9        |  |
|                                                                                                                                                                                     | 2/10/2021  | <0.495                                                                                    | 915                   | 2.08    | <0.746  | <0.746  | 2.08      | 11.5        |  |
|                                                                                                                                                                                     | 2/24/2021  | <0.495                                                                                    | 793                   | 1.01 J  | <0.832  | <0.832  | 1.01 J    | 19.4        |  |
|                                                                                                                                                                                     | 3/4/2021   | <0.495                                                                                    | 1,030                 | 1.74 J  | <0.819  | <0.819  | 1.74 J    | 18.2        |  |
|                                                                                                                                                                                     | 3/10/2021  | <0.495                                                                                    | 1,010                 | <0.893  | <0.825  | <0.825  | <0.825    | 18.5        |  |
|                                                                                                                                                                                     | 3/17/2021  | <0.495                                                                                    | 970                   | 2.33    | <0.835  | <0.835  | 2.33      | 19.5        |  |
|                                                                                                                                                                                     | 3/25/2021  | <0.495                                                                                    | 653                   | 1.50 J  | 1.16 J  | <0.857  | 2.66 J    | 20.2        |  |
|                                                                                                                                                                                     | 3/31/2021  | <0.495                                                                                    | 1,110                 | <0.941  | <0.941  | <0.908  | <0.941    | 18.3        |  |
|                                                                                                                                                                                     | 4/8/2021   | <0.495                                                                                    | 1,010                 | 2.30 J  | 1.01 J  | <0.875  | 3.31 J    | 18.9        |  |
|                                                                                                                                                                                     | 4/15/2021  | <0.495                                                                                    | 2,200                 | 2.49 J  | 0.999 J | 1.70 J  | 5.19      | 20.1        |  |
|                                                                                                                                                                                     | 4/21/2021  | <0.495                                                                                    | 1,230                 | 1.01 J  | 0.913 J | <0.856  | 1.92 J    | 18.9        |  |
|                                                                                                                                                                                     | 4/28/2021  | <0.495                                                                                    | 1,100                 | 2.54 J  | 1.19 J  | <0.872  | 3.73 J    | 19.0        |  |
|                                                                                                                                                                                     | 5/5/2021   | <0.495                                                                                    | 1,350                 | 2.09 J  | <0.890  | <0.859  | 2.09 J    | 18.8        |  |
|                                                                                                                                                                                     | 5/13/2021  | <0.495                                                                                    | 1,320                 | 1.18 J  | <0.906  | <0.875  | 1.18 J    | 19.6        |  |
|                                                                                                                                                                                     | 5/19/2021  | <0.495                                                                                    | 1,730                 | 1.46 J  | <0.901  | <0.869  | 1.46 J    | 19.8        |  |
|                                                                                                                                                                                     | 5/27/2021  | <0.495                                                                                    | 798                   | <0.920  | <0.920  | <0.888  | <0.920    | 20.8        |  |
|                                                                                                                                                                                     | 6/2/2021   | <0.495                                                                                    | 1,580                 | 2.01 J  | <0.895  | <0.864  | 2.01 J    | 18.1        |  |
|                                                                                                                                                                                     | 6/10/2021  | <0.495                                                                                    | 2,010                 | 1.46 J  | <0.882  | <0.851  | 1.46 J    | 22.0        |  |
|                                                                                                                                                                                     | 6/16/2021  | <0.495                                                                                    | 810                   | 0.963 J | <0.826  | <0.797  | 0.963 J   | 18.0        |  |
|                                                                                                                                                                                     | 6/22/2021  | <0.495                                                                                    | 795                   | 1.18 J  | <0.947  | <0.914  | 1.18 J    | 22.2        |  |
|                                                                                                                                                                                     | 6/30/2021  | <0.495                                                                                    | 975                   | 1.21 J  | <0.893  | <0.862  | 1.21 J    | 20.3        |  |
|                                                                                                                                                                                     | 7/1/2021   | Levey Well Now Running Full Time                                                          |                       |         |         |         |           |             |  |
|                                                                                                                                                                                     | 7/7/2021   | <0.495                                                                                    | 889                   | 1.62 J  | <0.906  | <0.875  | 1.62 J    | 18.3        |  |
|                                                                                                                                                                                     | 7/14/2021  | <0.495                                                                                    | 1,080                 | <0.965  | <0.965  | <0.932  | <0.965    | 19.3        |  |
|                                                                                                                                                                                     | 7/20/2021  | <0.495                                                                                    | 1,170                 | 1.16 J  | <0.898  | <0.867  | 1.16 J    | 19.8        |  |
|                                                                                                                                                                                     | 7/27/2021  | <0.495                                                                                    | 950                   | 1.03 J  | <0.906  | <0.875  | 1.03 J    | 22.3        |  |
|                                                                                                                                                                                     | 8/5/2021   | <0.495                                                                                    | 778                   | <0.909  | <0.909  | <0.877  | <0.909    | 22.1        |  |
|                                                                                                                                                                                     | 8/11/2021  | <0.495                                                                                    | 1,040                 | 1.46 J  | <0.887  | <0.856  | 1.46 J    | 19.7        |  |
|                                                                                                                                                                                     | 8/19/2021  | <0.495                                                                                    | 2,010                 | 1.93 J  | <0.959  | <0.926  | 1.93 J    | 20.7        |  |
|                                                                                                                                                                                     | 8/25/2021  | <0.495                                                                                    | 1,400                 | 1.01 J  | <0.932  | <0.900  | 1.01 J    | 19.2        |  |
|                                                                                                                                                                                     | 9/2/2021   | <0.495                                                                                    | 1,830                 | 3.03 J  | 2.11 J  | <0.920  | 5.14      | 21.4        |  |
|                                                                                                                                                                                     | 9/8/2021   | <0.495                                                                                    | 1,570                 | 1.70 J  | <0.932  | <0.900  | 1.70 J    | 20.5        |  |
|                                                                                                                                                                                     | 9/14/2021  | <0.495                                                                                    | 1,240                 | 1.93 J  | 1.01 J  | <0.917  | 2.94 J    | 19.4        |  |
|                                                                                                                                                                                     | 9/21/2021  | <0.495                                                                                    | 1,260                 | 1.33 J  | <0.941  | <0.908  | 1.33 J    | 18.0        |  |
|                                                                                                                                                                                     | 9/29/2021  | <0.495                                                                                    | 1,040                 | 1.60 J  | <1.19   | <1.15   | 1.60 J    | 18.5        |  |
|                                                                                                                                                                                     | 10/7/2021  | <0.495                                                                                    | 1,020                 | 1.45 J  | <0.988  | <0.954  | 1.45 J    | 18.0        |  |
|                                                                                                                                                                                     | 10/13/2021 | <0.495                                                                                    | 834                   | 1.56 J  | <0.935  | <0.902  | 1.56 J    | 20.6        |  |
|                                                                                                                                                                                     | 10/21/2021 | <0.495                                                                                    | 2,420                 | 1.64 J  | <0.918  | <0.886  | 1.64 J    | 19.8        |  |
|                                                                                                                                                                                     | 11/5/2021  | <0.495                                                                                    | 628                   | 1.39 J  | <0.965  | <0.932  | 1.39 J    | 22.8        |  |
|                                                                                                                                                                                     | 11/11/2021 | <0.495                                                                                    | 4,500                 | 2.27 J  | <0.985  | <0.950  | 2.27 J    | 18.5        |  |
|                                                                                                                                                                                     | 11/18/2021 | <0.495                                                                                    | 574                   | 2.56 J  | <0.923  | <0.891  | 2.56 J    | 19.5        |  |
|                                                                                                                                                                                     | 11/24/2021 | <5.00                                                                                     | 1,500                 | 2.34 J  | <4.59   | <4.59   | 2.34 J    | 19.1        |  |
|                                                                                                                                                                                     | 12/1/2021  | <0.495                                                                                    | 313                   | 1.69 J  | <0.912  | <0.880  | 1.69 J    | 19.2        |  |
|                                                                                                                                                                                     | 12/8/2021  | <0.495                                                                                    | 1,260                 | 1.86 J  | <0.932  | <0.900  | 1.86 J    | 18.9        |  |
|                                                                                                                                                                                     | 12/16/2021 | <0.495                                                                                    | 957                   | 1.15 J  | <0.947  | <0.914  | 1.15 J    | 18.0        |  |
|                                                                                                                                                                                     | 12/22/2021 | <0.495                                                                                    | 1,020                 | 1.95 J  | <0.944  | <0.911  | 1.95 J    | 21.6        |  |
|                                                                                                                                                                                     | 12/29/2021 | <0.495                                                                                    | 1,250                 | 1.15 J  | <0.935  | <0.902  | 1.15 J    | 18.0        |  |
|                                                                                                                                                                                     | 1/6/2022   | <0.495                                                                                    | 1,030                 | 1.31 J  | <0.915  | <0.883  | 1.31 J    | 18.2        |  |
|                                                                                                                                                                                     | 1/12/2022  | <0.495                                                                                    | 1,450                 | 3.63 J  | 1.34 J  | <1.00   | 4.97 J    | 22.0        |  |
|                                                                                                                                                                                     | 1/19/2022  | <0.495                                                                                    | 1,420                 | 2.83 J  | <0.915  | <0.883  | 2.83 J    | 18.2        |  |
|                                                                                                                                                                                     | 1/26/2022  | <0.495                                                                                    | 2,020                 | <0.923  | <0.923  | <0.891  | <0.923    | 18.8        |  |
|                                                                                                                                                                                     | 2/2/2022   | Unable to Sample due to Inclement Weather. Booster Pump for Levey Well Damaged by Freeze. |                       |         |         |         |           |             |  |
|                                                                                                                                                                                     | 2/8/2022   | <0.495                                                                                    | 2,050                 | 1.31 J  | <0.909  | <0.877  | 1.31 J    | 20.7        |  |
|                                                                                                                                                                                     | 2/16/2022  | <0.495                                                                                    | 1,670                 | 0.974 J | <0.864  | <0.834  | 0.974 J   | 18.3        |  |
|                                                                                                                                                                                     | 2/25/2022  | <0.495                                                                                    | 1,280                 | 1.43 J  | <0.965  | <0.932  | 1.43 J    | 19.9        |  |
|                                                                                                                                                                                     | 3/3/2022   | <0.495                                                                                    | 2,160                 | 1.86 J  | <0.909  | <0.877  | 1.86 J    | 18.1        |  |
|                                                                                                                                                                                     | 3/9/2022   | <0.495                                                                                    | 1,680                 | 1.77 J  | <0.947  | <0.914  | 1.77 J    | 18.4        |  |
|                                                                                                                                                                                     | 3/14/2022  | Booster Pump for Levey Well Repaired and Back on Running Full Time.                       |                       |         |         |         |           |             |  |
|                                                                                                                                                                                     | 3/16/2022  | <0.495                                                                                    | 1,700                 | 2.22 J  | <0.915  | <0.883  | 2.22 J    | 18.1        |  |
| 3/24/2022                                                                                                                                                                           | <0.495     | 1,330                                                                                     | 1.29 J                | <0.909  | <0.877  | 1.29 J  | 19.1      |             |  |
| 3/31/2022                                                                                                                                                                           | <0.495     | 1,340                                                                                     | 1.28 J                | <0.938  | <0.905  | 1.28 J  | 19.0      |             |  |
| 4/6/2022                                                                                                                                                                            | <0.495     | 1,720                                                                                     | 1.00 J                | <0.938  | <0.905  | 1.00 J  | 18.1      |             |  |
| 4/13/2022                                                                                                                                                                           | <0.495     | 874                                                                                       | 0.915 J               | <0.906  | <0.875  | 0.915 J | 19.0      |             |  |
| 4/20/2022                                                                                                                                                                           | <0.495     | 1,060                                                                                     | 1.06 J                | <0.901  | <0.869  | 1.06 J  | 18.6      |             |  |
| 4/28/2022                                                                                                                                                                           | <0.495     | 1,100                                                                                     | 1.76 J                | <0.915  | <0.883  | 1.76 J  | 19.8      |             |  |
| 5/5/2022                                                                                                                                                                            | 0.600 J    | 1,330                                                                                     | 1.40 J                | <0.920  | <0.888  | 1.40 J  | 19.2      |             |  |
| 5/10/2022                                                                                                                                                                           | <0.495     | 1,320                                                                                     | 1.63 J                | <0.965  | <0.932  | 1.63 J  | 16.8      |             |  |
| 5/19/2022                                                                                                                                                                           | <0.495     | 1,740                                                                                     | 1.80 J                | <0.915  | <0.883  | 1.80 J  | 20.5      |             |  |
| 5/26/2022                                                                                                                                                                           | <0.495     | 2,650                                                                                     | 1.02 J                | <0.950  | <0.917  | 1.02 J  | 18.1      |             |  |
| 6/1/2022                                                                                                                                                                            | <0.495     | 1,340                                                                                     | 1.43 J                | <0.909  | <0.877  | 1.43 J  | 20.5      |             |  |
| 6/9/2022                                                                                                                                                                            | <0.495     | 1,080                                                                                     | 1.23 J                | <0.938  | <0.905  | 1.23 J  | 19.8      |             |  |
| 6/17/2022                                                                                                                                                                           | <0.495     | 894                                                                                       | 1.49 J                | <0.895  | <0.864  | 1.49 J  | 17.8      |             |  |
| 6/23/2022                                                                                                                                                                           | <0.495     | 1,270                                                                                     | 1.25 J                | <0.920  | <0.888  | 1.25 J  | 18.0      |             |  |
| 6/29/2022                                                                                                                                                                           | <0.495     | 1,680                                                                                     | <0.935                | <0.935  | <0.902  | <0.935  | 15.9      |             |  |
| 7/7/2022                                                                                                                                                                            | <0.495     | 1,190                                                                                     | 0.912 J               | <0.906  | <0.875  | 0.912 J | 23.0      |             |  |
| 7/13/2022                                                                                                                                                                           | <0.495     | 1,610                                                                                     | 1.17 J                | <0.947  | <0.914  | 1.17 J  | 20.1      |             |  |
| 7/20/2022                                                                                                                                                                           | <0.495     | 1,360                                                                                     | 1.07 J                | <0.981  | <0.947  | 1.07 J  | 19.8      |             |  |
| 7/27/2022                                                                                                                                                                           | <0.495     | 1,070                                                                                     | 1.49 J                | <0.975  | <0.941  | 1.49 J  | 18.2      |             |  |
| 8/4/2022                                                                                                                                                                            | <0.495     | 1,570                                                                                     | 1.31 J                | <0.904  | <0.872  | 1.31 J  | 19.2      |             |  |
| 8/10/2022                                                                                                                                                                           | <0.495     | 1,260                                                                                     | 1.17 J                | <0.932  | <0.900  | 1.17 J  | 19.3      |             |  |
| 8/18/2022                                                                                                                                                                           | <0.495     | 1,280                                                                                     | 1.43 J                | 7.62    | <0.897  | 9.05    | 21.3      |             |  |
| 8/24/2022                                                                                                                                                                           | <5.00      | 1,300                                                                                     | 1.18 J                | <4.63   | <4.63   | 1.18 J  | 18.0      |             |  |
| 8/31/2022                                                                                                                                                                           | 1.00 J     | 1,290                                                                                     | 1.08 J                | <0.950  | <0.917  | 1.08 J  | 20.0      |             |  |
| 9/15/2022                                                                                                                                                                           | <0.495     | 1,320                                                                                     | 1.83 J                | <1.07   | <1.04   | 1.83 J  | 18.9      |             |  |
| 9/22/2022                                                                                                                                                                           | <0.495     | 1,320                                                                                     | 1.56 J                | <1.05   | <1.01   | 1.56 J  | 20.9      |             |  |
| 9/28/2022                                                                                                                                                                           | <0.495     | 1,280                                                                                     | 1.06 J                | <1.05   | <1.01   | 1.06 J  | 18.6      |             |  |
| 10/4/2022                                                                                                                                                                           | <0.495     | 1,670                                                                                     | 1.11 J                | <0.904  | <0.872  | 1.11 J  | 17.6      |             |  |
| 10/14/2022                                                                                                                                                                          | <0.989     | 1,670                                                                                     | 1.12 J                | <0.915  | <0.883  | 1.12 J  | 18.1      |             |  |
| 10/19/2022                                                                                                                                                                          | <0.495     | 814                                                                                       | 1.46 J                | <0.877  | <0.846  | 1.46 J  | 18.3      |             |  |
| 10/27/2022                                                                                                                                                                          | <0.495     | 1,350                                                                                     | <0.988                | <0.988  | <0.954  | <0.988  | 25.0      |             |  |
| 11/2/2022                                                                                                                                                                           | <0.495     | 1,680                                                                                     | 1.82 J                | <0.978  | <0.944  | 1.82 J  | 25.0      |             |  |
| 11/9/2022                                                                                                                                                                           | <4.95      | 1,220                                                                                     | 1.14 J                | <0.978  | <0.944  | 1.14 J  | 21.2      |             |  |
| 11/16/2022                                                                                                                                                                          | <0.495     | 653                                                                                       | 2.20 J                | <0.909  | <0.877  | 2.20 J  | 18.0      |             |  |
| 11/30/2022                                                                                                                                                                          | <0.495     | 1,030                                                                                     | <0.959                | <0.959  | <0.926  | <0.959  | 18.7      |             |  |
| 12/9/2022                                                                                                                                                                           | <0.495     | 1,030                                                                                     | 1.38 J                | <0.969  | <0.935  | 1.38 J  | 17.3      |             |  |
| 12/15/2022                                                                                                                                                                          | <0.495     | 1,440                                                                                     | 1.71 J                | <0.988  | <0.954  | 1.71 J  | 15.3      |             |  |
| 12/21/2022                                                                                                                                                                          | <0.495     | 1,280                                                                                     | 1.11 J                | <0.904  | <0.872  | 1.11 J  | 16.3      |             |  |
| 12/29/2022                                                                                                                                                                          | <0.495     | 789                                                                                       | <0.923                | <0.923  | <0.891  | <0.923  | 17.3      |             |  |



| TABLE 3<br>GROUNDWATER SAMPLING (Additional Parameters) ANALYTICAL DATA SUMMARY<br>South Hobbs GISA Unit<br>Oxy Permian Ltd.<br>Hobbs, New Mexico<br>Ensolum Project No. 03B1417002 |           |         |                       |         |         |         |           |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|-----------------------|---------|---------|---------|-----------|-------------|
| Sample Designation                                                                                                                                                                  | Date      | (mg/L)  |                       |         |         |         |           | °C          |
|                                                                                                                                                                                     |           | Sulfide | Carbon Dioxide (Free) | TPH GRO | TPH DRO | TPH ORO | Total TPH | Temperature |
| 20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards                                                                                              |           | NE      | NE                    | NE      | NE      | NE      | NE        | NE          |
| MW-2                                                                                                                                                                                | 1/4/2023  | <0.495  | 910                   | 1.66 J  | <0.988  | <0.954  | 1.66 J    | 16.8        |
|                                                                                                                                                                                     | 1/13/2023 | <0.495  | 966                   | 1.43 J  | <0.941  | <0.908  | 1.43 J    | 13.6        |
|                                                                                                                                                                                     | 1/19/2023 | <0.495  | 1,610                 | 1.06 J  | <0.929  | <0.897  | 1.06 J    | 16.3        |
|                                                                                                                                                                                     | 1/25/2023 | <0.495  | 704                   | <0.923  | <0.923  | <0.891  | <0.923    | 19.3        |
|                                                                                                                                                                                     | 2/2/2023  | <0.495  | 1,480                 | 1.01 J  | <0.959  | <0.926  | 1.01 J    | 18.7        |
|                                                                                                                                                                                     | 2/8/2023  | <0.495  | 1,300                 | 0.984 J | <0.898  | <0.867  | 0.984 J   | 16.7        |
|                                                                                                                                                                                     | 2/17/2023 | <0.495  | 1,040                 | 1.24 J  | <0.953  | <0.920  | 1.24 J    | 20.0        |
|                                                                                                                                                                                     | 2/22/2023 | <0.495  | 2,070                 | 1.97 J  | <0.926  | <0.894  | 1.97 J    | 18.7        |
|                                                                                                                                                                                     | 3/3/2023  | <0.495  | 1,520                 | 2.46 J  | <0.991  | <0.957  | 2.46 J    | 18.1        |
|                                                                                                                                                                                     | 3/8/2023  | <0.495  | 1,560                 | 1.18 J  | <1.01   | <0.976  | 1.18 J    | 19.1        |
|                                                                                                                                                                                     | 3/15/2023 | <0.495  | 1,500                 | <1.01   | <1.01   | <0.976  | <1.01     | 14.2        |
|                                                                                                                                                                                     | 3/23/2023 | <0.495  | 1,260                 | <0.920  | <0.920  | <0.888  | <0.920    | 17.3        |
|                                                                                                                                                                                     | 3/29/2023 | <0.495  | 1,580                 | <0.920  | <0.929  | <0.897  | <0.929    | 16.6        |
|                                                                                                                                                                                     | 4/6/2023  | <0.495  | 821                   | 1.04 J  | <0.988  | <0.954  | 1.04 J    | 15.5        |
|                                                                                                                                                                                     | 4/14/2023 | <0.495  | 438                   | 1.22 J  | <0.895  | <0.864  | 1.22 J    | 18.8        |
|                                                                                                                                                                                     | 4/26/2023 | <0.495  | 1,050                 | 1.03 J  | <0.935  | <0.902  | 1.03 J    | 20.2        |
|                                                                                                                                                                                     | 5/2/2023  | <0.495  | 1,310                 | 1.19 J  | <0.981  | <0.947  | 1.19 J    | 18.5        |
|                                                                                                                                                                                     | 5/11/2023 | <0.495  | 1,020                 | 1.29 J  | <0.909  | <0.877  | 1.29 J    | 18.1        |
|                                                                                                                                                                                     | 5/15/2023 | <0.495  | 1,210                 | <0.906  | <0.906  | <0.875  | <0.906    | 16.3        |
|                                                                                                                                                                                     | 5/25/2023 | <0.495  | 1,330                 | 1.09 J  | <0.947  | <0.914  | 1.09 J    | 18.0        |
|                                                                                                                                                                                     | 5/30/2023 | <0.495  | 267                   | <0.935  | <0.935  | <0.902  | <0.935    | 18.3        |
|                                                                                                                                                                                     | 6/9/2023  | <0.495  | 1,050                 | 1.82 J  | 12.8    | 2.28 J  | 16.9      | 18.6        |
|                                                                                                                                                                                     | 6/15/2023 | <0.495  | 1,050                 | 1.50 J  | <0.904  | <0.872  | 1.50 J    | 20.4        |
|                                                                                                                                                                                     | 6/23/2023 | <0.495  | 62.6                  | 1.47 J  | <0.935  | <0.902  | 1.47 J    | 21.0        |
|                                                                                                                                                                                     | 6/26/2023 | <0.495  | 1,070                 | <0.929  | <0.929  | <0.897  | <0.929    | 20.6        |

NOTES:  
°C - degrees celsius  
mg/L - milligrams per Liter  
NE - not established  
J - The target analyte was positively identified below the quantitation limit and above the detection limit.

| TABLE 4<br>AIR SAMPLING (VOCs) ANALYTICAL DATA SUMMARY<br>Levey Well<br>Oxy Permian Ltd.<br>Hobbs, New Mexico<br>Ensolum Project No. 03B1417001 |           |      |         |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|---------|---------|--------------|------------------|---------------|-----------------|-------------|--------------------|------------------------|---------|--------------|----------------|------------------------|-------------------------|---------|----------|------------------|--------------------|---------------------|------------------|-----------------------------|---------------------|-------------|------------|---------|---------------------|-----------------|---------|-----------------------|-------------------|------------------------|------------------------|---------------|------------|----------|--------------------------|
| Sample Designation                                                                                                                              | Date      | Time | (ug/m3) |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 |           |      | Acetone | Benzene | Bromomethane | Carbon disulfide | Chloromethane | 2-Chlorotoluene | Cyclohexane | 1,2-Dichloroethane | cis-1,2-Dichloroethene | Ethanol | Ethylbenzene | 4-Ethyltoluene | Trichlorofluoromethane | Dichlorodifluoromethane | Heptane | n-Hexane | Isopropylbenzene | Methylene Chloride | Methyl Butyl Ketone | 2-Butanone (MEK) | 4-Methyl-2-pentanone (MIBK) | Methyl methacrylate | Naphthalene | 2-Propanol | Styrene | Tetrachloroethylene | Tetrahydrofuran | Toluene | 1,1,1-Trichloroethane | Trichloroethylene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl acetate | m&p-Xylene | o-Xylene | TPH (GC/MS) Low Fraction |
| Levey Well                                                                                                                                      | 1/25/2021 | 0823 | 229     | <6.39   | <7.76        | 9.52             | <4.13         | <10.3           | 575         | <8.10              | <7.93                  | 324     | <8.67        | <9.82          | <11.2                  | <17.0                   | 299     | 980      | <9.83            | <6.94              | <51.1               | <36.9            | <51.2                       | <8.19               | <33.0       | <30.7      | <8.51   | <13.6               | <5.90           | <18.8   | <10.9                 | 22.2              | <9.82                  | <9.82                  | <7.04         | <17.3      | <8.67    | 17,500                   |
|                                                                                                                                                 | 1/25/2021 | 1213 | <2.97   | <0.639  | <0.776       | <0.622           | <0.413        | <1.03           | 2.01        | <0.810             | <0.793                 | 4.98    | <0.867       | <0.982         | <1.12                  | <1.70                   | 1.44    | 3.20     | <0.983           | <0.694             | <5.11               | <3.69            | <5.12                       | <0.819              | <33.0       | <3.07      | <0.851  | <1.36               | <0.590          | <1.88   | <1.09                 | <1.36             | 1.14                   | 1.29                   | <0.704        | <1.73      | <0.867   | <826                     |
|                                                                                                                                                 | 1/28/2021 | 1316 | 14,800  | <0.639  | 2.96         | 246              | 22.5          | 42.5            | 1,770       | <0.810             | <0.793                 | 2,410   | 53.8         | 298            | <1.12                  | 2.03                    | 1,220   | 2,890    | 150              | <0.694             | 101                 | 2,340            | 53.2                        | <0.819              | <33.0       | 438        | <0.851  | 72.6                | <0.590          | 95.7    | <1.09                 | <1.07             | 445                    | 375                    | <0.704        | 246        | 147      | 61,100                   |
|                                                                                                                                                 | 2/10/2021 | 1300 | 1,140   | <12.8   | <15.5        | 181              | <8.26         | <20.6           | 10,800      | <16.2              | <15.9                  | <23.8   | 44.2         | 426            | <22.5                  | <19.8                   | 4,040   | 14,000   | 92.4             | <13.9              | <102                | 79.0             | <102                        | <16.4               | <66.0       | <61.5      | <17.0   | <27.2               | <11.8           | 66.3    | <21.8                 | <21.4             | 334                    | 584                    | <14.1         | 361        | 218      | 315,000                  |
|                                                                                                                                                 | 2/24/2021 | 1045 | <2.97   | <0.639  | <0.776       | 161              | <0.413        | <1.03           | 4,510       | <0.810             | 9.83                   | <1.19   | 88.4         | 491            | <1.12                  | <0.989                  | 2,200   | 5,610    | 249              | <0.694             | <5.11               | <3.69            | <5.12                       | <0.819              | <33.0       | <3.07      | <0.851  | 5.47                | <0.590          | 101     | <1.09                 | 1.14              | 218                    | 305                    | <0.704        | 633        | 388      | 114,000                  |
|                                                                                                                                                 | 3/4/2021  | 1402 | 375     | <3.19   | <3.88        | 67.9             | <2.07         | <5.15           | 2,620       | <4.05              | <3.96                  | 88.6    | 56.4         | <4.91          | <5.62                  | <4.95                   | 847     | 4,690    | 176              | <3.47              | <25.6               | 72.0             | <25.6                       | <4.09               | 22.8        | <15.4      | <4.25   | <6.79               | <2.95           | 49.3    | <5.44                 | <5.36             | 1,460                  | 913                    | <3.52         | 533        | 198      | 83,400                   |
|                                                                                                                                                 | 3/10/2021 | 1050 | <2.97   | <0.639  | <0.776       | 71.0             | <0.413        | <1.03           | 3,300       | <0.810             | <0.793                 | <1.19   | 61.1         | 1,070          | 1.26                   | <0.989                  | 990     | 4,120    | 205              | <0.694             | <5.11               | 54.8             | <5.12                       | <0.819              | <3.30       | <3.07      | <0.851  | <1.36               | <0.590          | 55.4    | <1.09                 | <1.07             | 947                    | 825                    | <0.704        | 516        | 249      | 120,000                  |
|                                                                                                                                                 | 3/17/2021 | 1135 | 806     | <0.639  | <0.776       | 95.6             | <0.413        | <1.03           | 3,160       | <0.810             | <0.793                 | 50.2    | 63.3         | 444            | 1.38                   | <0.989                  | 1,240   | 4,550    | 128              | <0.694             | <5.11               | 139              | <5.12                       | <0.819              | <3.30       | 46.5       | <0.851  | <1.36               | <0.590          | 101     | <1.09                 | <1.07             | 332                    | 313                    | <0.704        | 432        | 179      | 88,800                   |
|                                                                                                                                                 | 3/25/2021 | 1111 | <2.97   | <0.639  | <0.776       | <0.622           | <0.413        | <1.03           | 11,700      | <0.810             | <0.793                 | 41.3    | 65.9         | <0.982         | <1.12                  | <0.989                  | 2,500   | 12,800   | 157              | <0.694             | <5.11               | <3.69            | <5.12                       | <0.819              | <3.30       | <3.07      | <0.851  | <1.36               | <0.590          | 67.4    | <1.09                 | <1.07             | 424                    | 359                    | <0.704        | 382        | 205      | 256,000                  |
|                                                                                                                                                 | 3/31/2021 | 1055 | 1,880   | <0.639  | <0.776       | <0.622           | <0.413        | <1.03           | 22,300      | <0.810             | <0.793                 | 96.3    | 78.0         | 185            | <1.12                  | <0.982                  | 4,420   | 24,000   | 150              | <0.694             | <5.11               | 244              | <5.12                       | <0.819              | <3.30       | <3.07      | <0.851  | 17.5                | <0.590          | 73.1    | 9.57                  | <1.07             | 292                    | 265                    | <0.704        | 352        | 193      | 305,000                  |
|                                                                                                                                                 | 4/8/2021  | 1205 | 2,350   | 843     | <311         | <249             | <165          | <412            | 30,500      | <324               | <317                   | 2,830   | <347         | 736            | <450                   | <396                    | <327    | 64,500   | <393             | <278               | <2,040              | <1,470           | <2,050                      | <328                | <1,320      | 1,470      | <340    | <543                | <236            | <753    | <435                  | <429              | 453                    | 420                    | <282          | 737        | <347     | 574,000                  |
|                                                                                                                                                 | 4/15/2021 | 1228 | 1,200   | <12.8   | <15.5        | 97.7             | <8.26         | <20.6           | 41,000      | <16.2              | <15.9                  | 98.0    | 91.9         | 447            | <22.5                  | <19.8                   | 4,950   | 98,000   | 134              | <13.9              | <102                | 206              | <102                        | <16.4               | <66.0       | <61.5      | <17.0   | <27.2               | <11.8           | 101     | <21.8                 | <21.4             | 197                    | 198                    | <14.1         | 620        | 190      | 438,000                  |
|                                                                                                                                                 | 4/21/2021 | 1340 | 639     | <0.639  | <0.776       | <0.622           | <0.413        | <1.03           | 2,390       | <0.810             | <0.793                 | 234     | 72.4         | 309            | <1.12                  | <0.989                  | 969     | 5,710    | 166              | <0.694             | <5.11               | 280              | <5.12                       | <0.819              | <3.30       | 127        | <0.851  | <1.36               | <0.590          | 48.2    | <1.09                 | <1.07             | 216                    | 447                    | <0.704        | 296        | 225      | <826                     |
|                                                                                                                                                 | 4/28/2021 | 1215 | 1,210   | <12.8   | <15.5        | 134              | <8.26         | <20.6           | 6,650       | <16.2              | <15.9                  | 343     | 129          | 1,540          | <22.5                  | <19.8                   | <16.4   | 13,200   | 264              | <13.9              | <102                | 229              | <102                        | <16.4               | <66.0       | 143        | <17.0   | <27.2               | <11.8           | 95.3    | <21.8                 | <21.4             | 1,050                  | 761                    | <14.1         | 954        | 313      | 261,000                  |
|                                                                                                                                                 | 5/5/2021  | 1235 | 371     | <12.5   | <15.5        | 12.6             | <8.26         | <20.6           | 844         | <16.2              | <15.9                  | 326     | 27.2         | 88.3           | <22.5                  | <19.8                   | 326     | 1,120    | 58.0             | <13.9              | <102                | 93.8             | <102                        | <16.4               | <66.0       | <61.5      | <17.0   | <27.2               | <11.8           | <37.7   | <21.8                 | <21.4             | 179                    | 142                    | <14.1         | 185        | 65.0     | 273,000                  |
|                                                                                                                                                 | 5/13/2021 | 1320 | 1,220   | <12.8   | <15.5        | 39.8             | <8.26         | <20.6           | 6,130       | 29.9               | <15.9                  | 456     | 88.4         | 545            | <22.5                  | <19.8                   | 2,300   | 7,300    | 228              | <13.9              | <102                | 226              | <102                        | <16.4               | <66.0       | 219        | <17.0   | <27.2               | <11.8           | 62.5    | <21.8                 | <21.4             | 1,230                  | 756                    | <14.1         | 668        | 251      | 205,000                  |
|                                                                                                                                                 | 5/19/2021 | 1445 | 1,700   | <1.28   | <1.55        | <1.24            | <0.826        | <2.06           | 6,680       | <1.62              | <1.59                  | 226     | 76.7         | 306            | <2.25                  | <1.98                   | 2,010   | 12,300   | 179              | <13.9              | 122                 | 200              | <10.2                       | <1.64               | <6.60       | 205        | <1.70   | <27.2               | <11.8           | 50.5    | <2.18                 | 3.46              | 520                    | 550                    | <1.41         | 577        | 195      | 175,000                  |
|                                                                                                                                                 | 5/27/2021 | 1245 | 380     | 0.664   | <0.776       | <0.622           | 1.57          | <1.03           | 1.14        | <0.810             | <0.793                 | 6,130   | 3.68         | 7.07           | 1.51                   | 2.64                    | 9.98    | 157      | <0.983           | 13.5               | 13.5                | 115              | 263                         | <0.819              | <3.30       | 976        | 301     | <1.36               | 149             | 86.3    | <1.09                 | <1.07             | 15.4                   | 4.37                   | <0.704        | 12.1       | 3.70     | 17,900                   |
|                                                                                                                                                 | 6/2/2021  | 1220 | 1,280   | <12.8   | <15.5        | <12.4            | <8.26         | <20.6           | 5,480       | <16.2              | <15.9                  | 317     | 78.5         | 241            | <22.5                  | <19.8                   | 1,500   | 6,840    | 162              | <13.9              | <102                | 188              | <102                        | <16.4               | <66.0       | 125        | <17.0   | <27.2               | <11.8           | 47.1    | <21.8                 | <21.4             | 555                    | 356                    | <14.1         | 542        | 174      | 179,000                  |
|                                                                                                                                                 | 6/10/2021 | 1150 | 3,470   | <12.8   | <15.5        | 106              | <8.26         | <20.6           | 2,260       | <16.2              | <15.9                  | 722     | 21.6         | 169            | <22.5                  | <19.8                   | 507     | 3,020    | 48.1             | <13.9              | <102                | 295              | <102                        | <16.4               | <66.0       | 234        | <17.0   | <27.2               | <11.8           | <37.7   | <21.8                 | <21.4             | 89.3                   | 73.1                   | <14.1         | 127        | 49.4     | 95,800                   |
|                                                                                                                                                 | 6/16/2021 | 1217 | 2,160   | <0.639  | <0.776       | 43.0             | <0.413        | <1.03           | 806         | <0.810             | <0.793                 | 609     | 17.9         | 145            | <1.12                  | <0.989                  | 308     | 1,670    | 32.2             | <0.694             | 35.6                | 251              | <5.12                       | <0.819              | <3.30       | 201        | <0.851  | <1.36               | <0.590          | 29.3    | <1.09                 | <1.07             | 85.9                   | 58.9                   | <0.704        | 88.9       | 34.4     | 32,400                   |
|                                                                                                                                                 | 6/22/2021 | 1240 | 1,190   | <6.39   | <7.76        | <6.22            | <4.13         | <10.3           | 2,440       | <8.10              | <7.93                  | 347     | 9.49         | 78.0           | <11.2                  | <9.89                   | <8.18   | 7,510    | 20.4             | <6.94              | <51.1               | 168              | <51.2                       | <8.19               | <33.0       | <30.7      | <8.51   | <13.6               | <5.90           |         |                       |                   |                        |                        |               |            |          |                          |

Released to Imaging: 3/21/2024 4:18:32 PM



Released to Imaging: 3/21/2024 4:18:32 PM

| TABLE 4<br>AIR SAMPLING (VOCs) ANALYTICAL DATA SUMMARY<br>Levey Well<br>Oxy Permian Ltd.<br>Hobbs, New Mexico<br>Ensolum Project No. 03B1417001 |            |            |                                  |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |           |            |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------------------------------|---------|--------------|------------------|---------------|-----------------|-------------|--------------------|------------------------|---------|--------------|----------------|------------------------|-------------------------|-----------|------------|------------------|--------------------|---------------------|------------------|-----------------------------|---------------------|-------------|------------|---------|---------------------|-----------------|---------|-----------------------|-------------------|------------------------|------------------------|---------------|------------|----------|--------------------------|------------|
| Sample Designation                                                                                                                              | Date       | Time       | (ug/m3)                          |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |           |            |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |            |
|                                                                                                                                                 |            |            | Acetone                          | Benzene | Bromomethane | Carbon disulfide | Chloromethane | 2-Chlorotoluene | Cyclohexane | 1,2-Dichloroethane | cis-1,2-Dichloroethene | Ethanol | Ethylbenzene | 4-Ethyltoluene | Trichlorofluoromethane | Dichlorodifluoromethane | Heptane   | n-Hexane   | Isopropylbenzene | Methylene Chloride | Methyl Butyl Ketone | 2-Butanone (MEK) | 4-Methyl-2-pentanone (MIBK) | Methyl methacrylate | Naphthalene | 2-Propanol | Styrene | Tetrachloroethylene | Tetrahydrofuran | Toluene | 1,1,1-Trichloroethane | Trichloroethylene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl acetate | m&p-Xylene | o-Xylene | TPH (GC/MS) Low Fraction |            |
| Levey Well                                                                                                                                      | 8/18/2022  | 1231       | <238                             | <51.1   | <62.1        | 246              | <33.0         | <82.5           | 146,000     | <64.8              | <63.4                  | 769     | <69.4        | <78.5          | <89.9                  | <79.1                   | 295,000   | 1,370,000  | <78.7            | 63.9               | <409                | 6,250            | <409                        | <65.5               | <264        | 15,500     | <68.1   | <109                | <47.2           | <151    | <87.0                 | <85.7             | <78.5                  | 148                    | <56.3         | <139       | 95.4     | 7,520,000                |            |
|                                                                                                                                                 | 8/24/2022  | 1147       | <297                             | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 585,000     | <81.0              | <79.3                  | <236    | <86.7        | <98.2          | <112                   | <98.9                   | 1,050,000 | 8,950,000  | <98.3            | <69.4              | <511                | 13,900           | <512                        | <81.9               | <330        | 13,500     | <85.1   | <136                | <59.0           | <188    | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <173       | <86.7    | 40,800,000               |            |
|                                                                                                                                                 | 8/31/2022  | 1247       | 132,000                          | <256    | <311         | <249             | <165          | <412            | 71,300      | <324               | <317                   | 1,430   | <347         | <393           | <450                   | <396                    | 112,000   | 959,000    | <393             | <278               | <2,040              | 3,660            | 5,530                       | <328                | <1,320      | 16,500     | <340    | <543                | <236            | <753    | <435                  | <429              | <393                   | <393                   | <282          | <694       | <347     | 2,480,000                |            |
|                                                                                                                                                 | 9/8/2022   | 1247       | 57,500                           | <1,280  | <1,550       | <1,240           | <826          | <2,060          | 403,000     | <1,620             | <1,590                 | 5,640   | <1,730       | <1,960         | <2,250                 | <1,980                  | 646,000   | 6,030,000  | <1,970           | <1,390             | <10,200             | 46,600           | <10,200                     | <1,640              | <6,600      | 30,200     | <1,700  | <2,720              | <1,180          | <3,770  | <2,180                | <2,140            | <1,960                 | <1,960                 | 49,700        | <3,470     | <1,730   | 19,800,000               |            |
|                                                                                                                                                 | 9/15/2022  | 1342       | <149                             | <31.9   | <38.8        | 47.0             | <20.7         | <51.5           | 29,100      | <40.5              | <39.6                  | 1,330   | <43.4        | <49.1          | <56.2                  | <49.5                   | 59,700    | 353,000    | <49.2            | 77.8               | <256                | 1,350            | <256                        | <40.9               | <165        | 6,070      | <42.5   | 80.1                | <29.5           | <94.2   | <54.4                 | <53.6             | <49.1                  | <49.1                  | <35.2         | <86.7      | <43.4    | 830,000                  |            |
|                                                                                                                                                 | 9/22/2022  | 1337       | 151,000                          | <2,560  | <3,110       | <2,490           | <1,650        | <4,120          | 554,000     | <3,240             | <3,170                 | 288,000 | 3,590        | <3,930         | <4,500                 | <3,960                  | 573,000   | 35,200,000 | <3,930           | <2,780             | <20,400             | 57,200           | <20,500                     | 7,700               | <13,200     | 6,930,000  | 4,110   | 33,800              | <2,360          | 17,100  | <4,350                | <4,290            | 6,090                  | <3,930                 | <2,820        | 14,000     | 6,680    | 27,700,000               |            |
|                                                                                                                                                 | 9/26/2022  | 1046       | 39,900                           | <639    | <776         | <622             | <413          | <1,030          | 641,000     | <810               | <793                   | 5,710   | <867         | <982           | <1,120                 | <989                    | 1,060,000 | 9,450,000  | <983             | <694               | <5,110              | 20,100           | <5,120                      | <819                | <3,300      | 38,100     | <851    | <1,360              | <590            | <1,180  | <1,090                | <1,070            | <982                   | <982                   | <704          | <1,730     | <867     | 19,600,000               |            |
|                                                                                                                                                 |            | 1255       | Initiate Vacuum Recovery Event   |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |           |            |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |            |
|                                                                                                                                                 |            | 1403       | 337                              | <12.8   | <15.5        | <12.4            | <8.26         | <20.6           | 4,170       | <16.2              | <15.9                  | <47.1   | <17.3        | <19.6          | <22.5                  | <19.8                   | 4,830     | 33,700     | <19.7            | <13.9              | <102                | 292              | <102                        | <16.4               | <66.0       | <61.5      | <17.0   | <27.2               | <11.8           | <37.7   | <21.8                 | <21.4             | <19.6                  | <19.6                  | <14.1         | <34.7      | <17.3    | 189,000                  |            |
|                                                                                                                                                 |            | 1512       | 116                              | <12.8   | <15.5        | <12.4            | <8.26         | <20.6           | 830         | <16.2              | <15.9                  | 68.1    | <17.3        | <19.6          | <22.5                  | <19.8                   | 986       | 4,120      | <19.7            | <13.9              | <102                | 104              | <102                        | <16.4               | <66.0       | <61.5      | <17.0   | <27.2               | <11.8           | <37.7   | <21.8                 | <21.4             | <19.6                  | <19.6                  | <14.1         | <34.7      | <17.3    | 39,100                   |            |
|                                                                                                                                                 |            | 1512       | Vacuum Recovery Event Terminated |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |           |            |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |            |
|                                                                                                                                                 |            | 1609       | 297                              | <12.8   | <15.5        | <12.4            | <8.26         | <20.6           | 2,100       | <16.2              | <15.9                  | <47.1   | <17.3        | <19.6          | <22.5                  | <19.8                   | 2,380     | 12,700     | <19.7            | <13.9              | <102                | 330              | <102                        | <16.4               | <66.0       | 109        | <17.0   | <27.2               | <11.8           | <37.7   | <21.8                 | <21.4             | <19.6                  | 23.7                   | <14.1         | <34.7      | <17.3    | 88,400                   |            |
|                                                                                                                                                 | 9/28/2022  | 1215       | 14,200                           | <63.9   | <77.6        | 136              | <41.3         | <103            | 118,000     | <81.0              | <79.3                  | <236    | <86.7        | <98.2          | <112                   | <98.9                   | 241,000   | 1,110,000  | <98.3            | <69.4              | <511                | 6,840            | <512                        | <81.9               | <330        | 6,660      | <85.1   | <136                | <59.0           | <188    | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <173       | <86.7    | 4,790,000                |            |
|                                                                                                                                                 | 10/4/2022  | 1327       | <29,700                          | <6,390  | <7,760       | <6,220           | <4,130        | <10,300         | 499,000     | <8,100             | <7,930                 | 766,000 | <8,670       | <9,820         | <11,200                | <9,890                  | 908,000   | 6,490,000  | <9,830           | <6,940             | <51,100             | 66,900           | <51,200                     | 188,000             | <33,000     | 3,440,000  | <8,510  | 27,500              | <5,900          | <18,800 | <10,900               | <10,700           | <9,820                 | <9,820                 | <7,040        | <17,300    | <8,670   | 32,000,000               |            |
|                                                                                                                                                 | 10/10/2022 | 1226       | 15,900                           | <128    | <155         | 128              | <82.6         | <206            | 413,000     | <162               | <159                   | 2,070   | <173         | <196           | <225                   | <198                    | 658,000   | 7,760,000  | <197             | <139               | <1,020              | 11,900           | <1,020                      | <164                | <660        | 9,510      | <170    | <272                | <118            | <377    | <218                  | 1,390             | <196                   | 206                    | <141          | <347       | <173     | 24,600,000               |            |
|                                                                                                                                                 |            | 1230       | Initiate Vacuum Recovery Event   |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |           |            |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |            |
|                                                                                                                                                 |            | 1326       | 71.1                             | 1.52    | <0.776       | 0.741            | 9.21          | <1.03           | 1,400       | <0.810             | <0.793                 | 14.8    | <0.867       | 3.48           | <1.12                  | 1.36                    | 3,850     | 14,900     | <0.983           | 0.913              | <5.11               | 109              | <5.12                       | <0.819              | <3.30       | 8.50       | <0.851  | <1.36               | <0.590          | 3.08    | <1.09                 | <1.07             | 5.79                   | 8.05                   | <0.704        | 4.94       | 2.65     | 124,000                  |            |
|                                                                                                                                                 |            | 1438       | 94.8                             | 0.923   | <0.776       | 0.672            | 2.58          | <1.03           | 1,280       | <0.810             | <0.793                 | 16.3    | <0.867       | 2.65           | <1.12                  | 1.63                    | 3,040     | 13,400     | <0.983           | 0.934              | <5.11               | 92.0             | <5.12                       | <0.819              | <3.30       | 120        | <0.851  | <1.36               | <0.590          | 1.96    | <1.09                 | <1.07             | 2.68                   | 6.43                   | <0.704        | <0.867     | 1.82     | 104,000                  |            |
|                                                                                                                                                 | 10/14/2022 | 1438       | Vacuum Recovery Event Terminated |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |           |            |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |            |
|                                                                                                                                                 |            | 1538       | <2.97                            | 4.12    | <0.776       | 15.5             | 16.6          | <1.03           | 14,500      | <0.810             | <0.793                 | 120     | <0.867       | 23.3           | <1.12                  | <0.989                  | 34,700    | 122,000    | <0.983           | <0.694             | <5.11               | 263              | <5.12                       | <0.819              | <3.30       | 49.2       | <0.851  | <1.36               | <0.590          | 9.15    | <1.09                 | <1.07             | 19.6                   | 56.0                   | <0.704        | 12.7       | 17.6     | 698,000                  |            |
|                                                                                                                                                 |            | 1136       | 21,900                           | <128    | <155         | 181              | <82.6         | <206            | 121,000     | <162               | <159                   | 2,000   | <173         | <196           | <225                   | <198                    | 193,000   | 2,850,000  | <197             | <139               | <1,020              | 8,880            | <1,020                      | <164                | <660        | 6,490      | <170    | <272                | <118            | <377    | <218                  | <214              | <196                   | <196                   | <141          | <347       | <173     | 3,990,000                |            |
|                                                                                                                                                 |            | 10/19/2022 | 1350                             | 10,600  | <63.9        | <77.6            | <62.2         | <41.3           | <103        | 382,000            | <81.0                  | <79.3   | <236         | <86.7          | <98.2                  | <112                    | <98.9     | 769,000    | 6,280,000        | <98.3              | <69.4               | <511             | 9,170                       | <512                | <81.9       | <330       | 6,190   | <85.1               | 760             | <59.0   | <188                  | <109              | <107                   | <98.2                  | <98.2         | <70.4      | <173     | <86.7                    | 22,600,000 |
|                                                                                                                                                 | 10/24/2022 | 1100       | 13,700                           | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 88,200      | <81.0              | <79.3                  | 6,200   | 211          | 339            | <112                   | <98.9                   | 174,000   | 1,030,000  | <98.3            | <69.4              | <511                | 6,900            | <512                        | <81.9               | <330        | 12,300     | <170    | <136                | <59.0           | 1,020   | <109                  | <107              | 312                    | 226                    | <70.4         | 806        | 273      | <4,130,000               |            |
|                                                                                                                                                 |            | 1100       | Initiate Vacuum Recovery Event   |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |           |            |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |            |
|                                                                                                                                                 |            | 1208       | <59.4                            | 15.4    | <15.5        | <12.4            | <8.26         | <20.6           | <13.8       | <16.2              | <15.9                  | 207     | 22.1         | <19.6          | <22.5                  | <19.8                   | 22.2      | 62.8       | <19.7            | <13.9              | <102                | <73.7            | <102                        | <16.4               | <66.0       | <61.5      | <17.0   | <27.2               | <11.8           | 96.8    | <21.8                 | <21.4             | <19.6                  | <19.6                  | <14.1         | 43.3       | 17.4     | <16,500                  |            |
|                                                                                                                                                 |            | 1308       | 97.4                             | <0.639  | <0.776       | 4.45             | 2.07          | <1.03           | 149         | <0.810             | <0.793                 | 57.9    | 1.21         | <0.982         | <1.12                  | 2.45                    | 442       | 1,290      | <0.983           | <0.694             | <5.11               | 61.3             | <5.12                       | <0.819              | <3.30       | 31.0       | <0.851  | <1.36               | <0.590          | <1.88   | <1.09                 | <1.07             | 2.36                   | 5.45                   | <0.704        | 3.86       | 1.53     | 9,670                    |            |
|                                                                                                                                                 |            | 1308       | Vacuum Recovery Event Terminated |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |           |            |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |            |
|                                                                                                                                                 |            | 1408       | 335                              | <0.639  | <0.776       | <622             | <413          | <1.03           | 2,270       | <0.810             | <0.793                 | <2.36   | <0.867       | <0.982         | <1.12                  | <0.989                  | 3,730     | 18,400     | <0.983           | <0.694             | <5.11               | 234              | <5.12                       | <0.819              | <3.30       | <3.07      | <0.851  | <1.36               | <0.590          | <1.88   | <1.09                 | <1                |                        |                        |               |            |          |                          |            |
|                                                                                                                                                 |            | 10/27/2022 | 1337                             | 7,680   | <639         | <776             | <622          | <413            | <1,030      | 33,300             | <810                   | <793    | 4,530        | <867           | <982                   | <1,120                  | <989      | 49,100     | 348,000          | <983               | <694                | <5,110           | 3,360                       | <5,120              | <819        | <3,300     | 17,900  | <851                | <1,360          | <590    | <1,880                | <1,090            | <1,070                 | <982                   | <982          | <704       | <1,730   | <867                     | 1,670,000  |
|                                                                                                                                                 |            | 11/2/2022  | 1339                             | <5,940  | <1,280       | <1,550           | <1,240        | <826            | <2,060      | 64,400             | <1,620                 | <1,590  | 6,340        | <1,730         | <1,960                 | <2,250                  | <1,980    | 130,000    | 702,000          | <1,970             | <1,390              | <10,200          | 11,500                      | <10,200             | <1,640      | <6,600     | 30,000  | <1,700              | <2,720          | <1,180  | <3,770                | <2,180            | <2,140                 | <1,960                 | <1,960        | <1,410     | <3,470   | <1,730                   | 4,040,000  |
|                                                                                                                                                 |            | 11/7/2022  | 1115                             | <297    | <66.9        | <77.6            | <62.2         | <41.3           | <103        | 209,000            | <81.0                  | <79.3   | <236         | <86.7          | <98.2                  | <112                    | <98.9     | 299,000    | 825,000          | <98.3              | <69.4               | <511             | 12,600                      | <512                | <81.9       | <330       | 24,400  | <85.1               | <136            | <59.0   | 241                   |                   |                        |                        |               |            |          |                          |            |

| TABLE 4<br>AIR SAMPLING (VOCs) ANALYTICAL DATA SUMMARY<br>Levey Well<br>Oxy Permian Ltd.<br>Hobbs, New Mexico<br>Ensolum Project No. 03B1417001 |           |      |                                  |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|----------------------------------|---------|--------------|------------------|---------------|-----------------|-------------|--------------------|------------------------|-----------|--------------|----------------|------------------------|-------------------------|---------|----------|------------------|--------------------|---------------------|------------------|-----------------------------|---------------------|-------------|------------|---------|---------------------|-----------------|---------|-----------------------|-------------------|------------------------|------------------------|---------------|------------|----------|--------------------------|
| Sample Designation                                                                                                                              | Date      | Time | (ug/m3)                          |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 |           |      | Acetone                          | Benzene | Bromomethane | Carbon disulfide | Chloromethane | 2-Chlorotoluene | Cyclohexane | 1,2-Dichloroethane | cis-1,2-Dichloroethene | Ethanol   | Ethylbenzene | 4-Ethyltoluene | Trichlorofluoromethane | Dichlorodifluoromethane | Heptane | n-Hexane | Isopropylbenzene | Methylene Chloride | Methyl Butyl Ketone | 2-Butanone (MEK) | 4-Methyl-2-pentanone (MIBK) | Methyl methacrylate | Naphthalene | 2-Propanol | Styrene | Tetrachloroethylene | Tetrahydrofuran | Toluene | 1,1,1-Trichloroethane | Trichloroethylene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl acetate | m&p-Xylene | o-Xylene | TPH (GC/MS) Low Fraction |
| Levey Well                                                                                                                                      | 1/23/2023 | 1111 | <29,700                          | <6,390  | <7,760       | <6,220           | <4,130        | <10,300         | 486,000     | <8,100             | <7,930                 | 1,260,000 | <8,670       | <9,820         | <11,200                | <9,890                  | 109,000 | 864,000  | <9,830           | 18,800             | <51,100             | <36,900          | <51,200                     | 40,900              | <33,000     | 1,530,000  | <8,510  | <13,600             | <5,900          | 27,200  | <10,900               | <10,700           | <9,820                 | <9,820                 | <7,040        | <17,300    | <8,670   | 12,300,000               |
|                                                                                                                                                 |           | 1113 | Initiate Vacuum Recovery Event   |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 |           | 1320 | <297                             | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 1,770       | <81.0              | <79.3                  | 3,560     | <86.7        | <98.2          | <112                   | <98.9                   | 589     | 3,740    | <98.3            | 319                | <511                | <369             | <512                        | <81.9               | <330        | 27,500     | <85.1   | 153                 | <59.0           | <188    | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <173       | <86.7    | 116,000                  |
|                                                                                                                                                 |           | 1420 | <297                             | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 1,040       | <81.0              | <79.3                  | 4,000     | <86.7        | <98.2          | <112                   | <98.9                   | 362     | 2,780    | <98.3            | 358                | <511                | <369             | <512                        | <81.9               | <330        | 10,600     | <85.1   | 245                 | <59.0           | <188    | <109                  | <107              | <98.2                  | <98.2                  | 2,150         | <173       | <86.7    | 122,000                  |
|                                                                                                                                                 |           | 1420 | Vacuum Recovery Event Terminated |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 | 2/2/2023  | 1520 | <297                             | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 2,240       | <81.0              | <79.3                  | 4,200     | <86.7        | <98.2          | <112                   | <98.9                   | 646     | 4,410    | <98.3            | 378                | <511                | <369             | <512                        | <81.9               | <330        | 12,800     | <85.1   | 160                 | <59.0           | <188    | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <173       | <86.7    | 109,000                  |
|                                                                                                                                                 |           | 1205 | 10,800                           | <639    | <776         | <622             | <413          | <1,030          | 413,000     | <810               | <793                   | <2,360    | <867         | <982           | <1,120                 | <989                    | 65,400  | 733,000  | <983             | <694               | <5,110              | <3690            | <5,120                      | <819                | <3,300      | 19,100     | <851    | <1,360              | <590            | <1,180  | <1,090                | <1,070            | <982                   | <982                   | <704          | <1,730     | <867     | 5,160,000                |
|                                                                                                                                                 | 2/7/2023  | 1105 | 5,940                            | <639    | <776         | <622             | <413          | <1,030          | 207,000     | <810               | <793                   | <2,360    | <867         | <982           | <1,120                 | <989                    | 34,200  | 213,000  | <983             | <694               | <5,110              | <3,690           | <5,120                      | <819                | <3,300      | 10,600     | <851    | <1,360              | <590            | <1,180  | <1,090                | <1,070            | <982                   | <982                   | <704          | <1,730     | <867     | 3,530,000                |
|                                                                                                                                                 |           | 1140 | Initiate Vacuum Recovery Event   |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 |           | 1248 | 140                              | <6.39   | <7.76        | <6.22            | <4.13         | <10.3           | 1,790       | <8.10              | <7.93                  | 24.1      | <8.67        | <9.82          | <11.2                  | <9.89                   | <8.18   | 1,280    | <9.83            | <6.94              | <51.1               | 43.3             | <51.2                       | <8.19               | <33.0       | <30.7      | <8.51   | <13.6               | <5.90           | <18.8   | <10.9                 | <10.7             | <9.82                  | <9.82                  | <7.04         | <17.3      | <8.67    | 24,500                   |
|                                                                                                                                                 |           | 1348 | 115                              | <6.39   | <7.76        | <6.22            | <4.13         | <10.3           | 950         | <8.10              | <7.93                  | <23.6     | <8.67        | <9.82          | <11.2                  | <9.89                   | <8.18   | 532      | <9.83            | <6.94              | <51.1               | <36.9            | <51.2                       | <8.19               | <33.0       | <30.7      | <8.51   | <13.6               | <5.90           | <18.8   | <10.9                 | <10.7             | <9.82                  | <9.82                  | <7.04         | <17.3      | <8.67    | 13,700                   |
|                                                                                                                                                 |           | 1348 | Vacuum Recovery Event Terminated |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 | 2/8/2023  | 1449 | 220                              | <6.39   | <7.76        | <6.22            | <4.13         | <10.3           | 2,660       | <8.10              | <7.93                  | <23.6     | <8.67        | <9.82          | <11.2                  | <9.89                   | <8.18   | 1,800    | <9.83            | <6.94              | <51.1               | <36.9            | <51.2                       | <8.19               | <33.0       | <30.7      | <8.51   | <13.6               | <5.90           | <18.8   | <10.9                 | <10.7             | <9.82                  | <9.82                  | <7.04         | <17.3      | <8.67    | 31,900                   |
|                                                                                                                                                 |           | 1327 | 509                              | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 6,650       | <81.0              | <79.3                  | 241       | <86.7        | <98.2          | <112                   | <98.9                   | 2,430   | 5,960    | <98.3            | <69.4              | <511                | <369             | <512                        | <81.9               | <330        | 752        | <85.1   | <136                | <59.0           | <188    | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <173       | <86.7    | 85,500                   |
|                                                                                                                                                 | 2/17/2023 | 1347 | <297                             | <63.9   | <77.6        | 159              | <41.3         | <103            | 24,900      | <81.0              | <79.3                  | 3,210     | <86.7        | <98.2          | <112                   | <98.9                   | 14,100  | <4,440   | <98.3            | <69.4              | <511                | 1,390            | <512                        | <81.9               | <330        | 1,130      | <85.1   | <136                | <59.0           | <188    | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <173       | <86.7    | 772,000                  |
|                                                                                                                                                 | 2/20/2023 | 1052 | 383,000                          | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 9,950       | 185                | <79.3                  | 5,450     | <86.7        | <98.2          | <112                   | <98.9                   | 6,130   | 67,000   | <98.3            | 182                | <511                | 1,600            | <512                        | 532                 | <330        | 21,900     | <85.1   | 183                 | <59.0           | 418     | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | 189        | <86.7    | 367,000                  |
|                                                                                                                                                 |           | 1055 | Initiate Vacuum Recovery Event   |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 |           | 1203 | <59.4                            | <12.8   | <15.5        | <12.4            | <8.26         | <20.6           | 223         | <16.2              | <15.9                  | 47.3      | <17.3        | <19.6          | <22.5                  | <19.8                   | 200     | 596      | <19.7            | <13.9              | <102                | <73.7            | <102                        | <16.4               | <66.0       | <61.5      | <17.0   | <27.2               | <11.8           | <37.7   | <21.8                 | <21.4             | <19.6                  | <19.6                  | <14.1         | <34.7      | <17.3    | <16,500                  |
|                                                                                                                                                 |           | 1300 | <297                             | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 111         | 185                | <79.3                  | 1,790     | <86.7        | <98.2          | <112                   | <98.9                   | 97.3    | 4,480    | <98.3            | 120                | <511                | <369             | <512                        | 463                 | <330        | 12,900     | <85.1   | 212                 | <59.0           | 253     | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <173       | <86.7    | <82,600                  |
|                                                                                                                                                 |           | 1300 | Vacuum Recovery Event Terminated |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 | 2/22/2023 | 1408 | <297                             | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 2,420       | <81.0              | <79.3                  | 1,920.0   | <86.7        | <98.2          | <112                   | <98.9                   | 1,860   | 9,240    | <98.3            | 134                | <511                | 442              | <512                        | 770                 | <330        | 7,940      | <85.1   | <136                | <59.0           | 265     | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <173       | <86.7    | 114,000                  |
|                                                                                                                                                 |           | 1341 | <297                             | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 2,350       | <81.0              | <79.3                  | 1,730     | <86.7        | <98.2          | <112                   | <98.9                   | 1,620   | 9,270    | <98.3            | 86.1               | <511                | 784              | <512                        | 508                 | <330        | 10,400     | <85.1   | <136                | <59.0           | <188    | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <173       | <86.7    | <82,600                  |
|                                                                                                                                                 | 3/3/2023  | 1012 | 9,620                            | <63.9   | <77.6        | 85.9             | <41.3         | <103            | 72,300      | <81.0              | <79.3                  | 1,500     | 455          | 190            | <112                   | <98.9                   | <81.8   | 242,000  | <98.3            | <69.4              | <511                | 2,980            | <512                        | <81.9               | <330        | 4,130      | <85.1   | <136                | <59.0           | <188    | <109                  | <107              | 117                    | <98.2                  | <70.4         | 486        | 185      | 1,630,000                |
|                                                                                                                                                 | 3/6/2023  | 1019 | 1,160                            | 18,600  | <77.6        | <62.2            | <41.3         | <103            | 123,000     | <81.0              | <79.3                  | 1,600     | <1,730       | 8,250          | <112                   | <98.9                   | 25,700  | 222,000  | 6,000            | <69.4              | <511                | <369             | <512                        | <81.9               | <330        | 7,890      | <85.1   | <136                | <59.0           | 3770    | <109                  | <107              | 3,070                  | 1,330                  | <70.4         | 47,300     | 18,300   | 1,670,000                |
|                                                                                                                                                 |           | 1020 | Initiate Vacuum Recovery Event   |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 |           | 1127 | 1,050                            | 3,100   | <77.6        | <62.2            | <41.3         | <103            | 12,800      | <81.0              | <79.3                  | 1,440     | 74,600       | 13,700         | <112                   | <98.9                   | 213,000 | 7,620    | 7,960            | <69.4              | <511                | <369             | <512                        | <81.9               | <330        | 7,300      | <85.1   | <136                | <59.0           | 141,000 | <109                  | <107              | 6,230                  | 2,420                  | <70.4         | 49,900     | 21,400   | 4,750,000                |
|                                                                                                                                                 |           | 1233 | 2,020                            | 6,260   | <77.6        | 1,810            | <41.3         | <103            | 25,900      | <81.0              | <79.3                  | 1,840     | 68,900       | 28,300         | <112                   | <98.9                   | 56,400  | 16,600   | 16,400           | <69.4              | <511                | 375              | <512                        | <81.9               | <330        | 4,400      | <85.1   | <136                | <59.0           | 63,300  | <109                  | <107              | 13,300                 | 5,250                  | <70.4         | 46,400     | 43,400   | 2,890,000                |
|                                                                                                                                                 |           | 1233 | Vacuum Recovery Event Terminated |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|                                                                                                                                                 |           | 1333 | 2,300                            | <63.9   | <77.6        | <62.2            | <41.3         | <103            | 32,900      | <81.0              | <79.3                  | 1,650     | 1,340        | 291            | <112                   | <98.9                   | <81.8   | 26,900   | 202              | <69.4              | <511                | 702              | <512                        | <81.9               | <330        | 5,970      | <85.1   | <136                | <59.0           | <188    | <109                  | <107              | 163                    | <98.2                  | <70.4         | 1,080      | 406      | 1,310,000                |
|                                                                                                                                                 |           |      |                                  |         |              |                  |               |                 |             |                    |                        |           |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |

| TABLE 4<br>AIR SAMPLING (VOCs) ANALYTICAL DATA SUMMARY<br>Levey Well<br>Oxy Permian Ltd.<br>Hobbs, New Mexico<br>Ensolum Project No. 03B1417001 |           |      |                                |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |         |           |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |           |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|--------------------------------|---------|--------------|------------------|---------------|-----------------|-------------|--------------------|------------------------|---------|--------------|----------------|------------------------|-------------------------|---------|-----------|------------------|--------------------|---------------------|------------------|-----------------------------|---------------------|-------------|------------|---------|---------------------|-----------------|---------|-----------------------|-------------------|------------------------|------------------------|---------------|------------|-----------|--------------------------|
| Sample Designation                                                                                                                              | Date      | Time | (ug/m3)                        |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |         |           |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |           |                          |
|                                                                                                                                                 |           |      | Acetone                        | Benzene | Bromomethane | Carbon disulfide | Chloromethane | 2-Chlorotoluene | Cyclohexane | 1,2-Dichloroethane | cis-1,2-Dichloroethene | Ethanol | Ethylbenzene | 4-Ethyltoluene | Trichlorofluoromethane | Dichlorodifluoromethane | Heptane | n-Hexane  | Isopropylbenzene | Methylene Chloride | Methyl Butyl Ketone | 2-Butanone (MEK) | 4-Methyl-2-pentanone (MIBK) | Methyl methacrylate | Naphthalene | 2-Propanol | Styrene | Tetrachloroethylene | Tetrahydrofuran | Toluene | 1,1,1-Trichloroethane | Trichloroethylene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl acetate | m&p-Xylene | o-Xylene  | TPH (GC/MS) Low Fraction |
| Levey Well                                                                                                                                      | 6/9/2023  | 1200 | 2,050                          | 106     | <77.6        | <62.2            | <41.3         | <103            | <68.9       | <81.0              | <79.3                  | 1,640   | 355          | <98.2          | <112                   | <98.9                   | 1,840   | 101,000   | <98.3            | <69.4              | <511                | <369             | <512                        | <81.9               | <330        | 16,300     | <85.1   | 170                 | <59.0           | 1,190   | <109                  | <107              | 1,440                  | 618                    | <70.4         | 3,050      | 1,480     | 171,000                  |
|                                                                                                                                                 | 6/15/2023 | 1227 | <297                           | <63.9   | <77.6        | 309              | <41.3         | <103            | 102,000     | <81.0              | <79.3                  | 1,590   | <86.7        | <98.2          | <112                   | <98.9                   | 98,200  | 2,210,000 | <98.3            | 92.4               | <511                | <369             | <512                        | <1,640              | <330        | 10,100     | <1,700  | <2,720              | <59.0           | <3,770  | <109                  | <107              | <98.2                  | <98.2                  | <70.4         | <3,470     | <1,730    | 1,480,000                |
|                                                                                                                                                 | 6/23/2023 | 1139 | <1,490                         | <319    | <388         | 420              | 44,200        | <515            | 98,100      | <405               | <396                   | <2,360  | 533          | <491           | <562                   | <495                    | 89,200  | 1,610,000 | <492             | <347               | <2,560              | <1,840           | <2,560                      | <409                | <1,650      | 14,800     | <425    | <679                | <295            | <942    | <544                  | <536              | <491                   | <352                   | 1,290         | 598        | 2,430,000 |                          |
|                                                                                                                                                 | 6/26/2023 | 0850 | <2.97                          | 2.56    | <0.776       | 19.8             | <413          | <1.03           | 3,750       | <0.810             | <0.793                 | 392     | 22.6         | 9.77           | <1.12                  | <0.989                  | 4,830   | 39,100    | 6.10             | <0.694             | <5.11               | 149              | <5.12                       | <0.819              | <3.30       | 24.8       | <0.851  | 34.1                | <0.590          | 17.9    | <1.09                 | <1.07             | 18.8                   | 12.2                   | <0.704        | 41.6       | 30.1      | 146,000                  |
|                                                                                                                                                 |           | 0851 | Initiate Vacuum Recovery Event |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |         |           |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |           |                          |
|                                                                                                                                                 |           | 1003 | <2.97                          | 3.80    | <0.776       | 22.8             | <413          | <1.03           | 365         | <0.810             | <0.793                 | 145     | 7.20         | 4.36           | 1.31                   | 2.68                    | 528     | 3,090     | 2.00             | 1.89               | <5.11               | 36.3             | <5.12                       | <0.819              | <3.30       | 40.8       | 1.06    | 21.9                | <0.590          | 12.4    | <1.09                 | <1.07             | 10.9                   | 6.23                   | <0.704        | 12.6       | 9.97      | 16,900                   |
|                                                                                                                                                 |           | 1108 | <2.97                          | 2.35    | <0.776       | 16.7             | 4.21          | <1.03           | 319         | <0.810             | <0.793                 | 77.9    | 8.06         | 7.26           | 1.36                   | 2.61                    | 375     | 2,520     | 2.87             | <0.694             | <5.11               | 37.2             | <5.12                       | <0.819              | <3.30       | 26.1       | 1.27    | 30.6                | <0.590          | 5.57    | <1.09                 | <1.07             | 25.1                   | 10.6                   | <0.704        | 15.9       | 13.2      | 15,900                   |
| 1208                                                                                                                                            | <2.97     | 2.25 | 1.33                           | 68.8    | 8.90         | <1.03            | 1,030         | <0.810          | <0.793      | 200                | 9.93                   | 6.18    | 1.19         | 2.49           | 1,420                  | 8,570                   | 2.77    | 1.69      | <5.11            | 109                | <5.12               | <0.819           | <3.30                       | 150                 | 1.27        | 27.7       | <0.590  | 16.1                | <1.09           | <1.07   | 19.8                  | 9.13              | <0.704                 | 16.2                   | 12.4          | 41,700     |           |                          |

NOTES:  
ug/m3 - micrograms per cubic meter of air



## APPENDIX C

### Laboratory Data Sheets and Chain-of-Custody Documentation

---





Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Beaux Jennings  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 6/19/2023 11:13:45 AM

## JOB DESCRIPTION

Levey Well Hobbs, NM - 03B1417001  
SDG NUMBER Hobbs NM

## JOB NUMBER

880-29353-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
6/19/2023 11:13:45 AM

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

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Laboratory Job ID: 880-29353-1  
SDG: Hobbs NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| Surrogate Summary . . . . .      | 8  |
| QC Sample Results . . . . .      | 9  |
| QC Association Summary . . . . . | 20 |
| Lab Chronicle . . . . .          | 22 |
| Certification Summary . . . . .  | 23 |
| Method Summary . . . . .         | 24 |
| Sample Summary . . . . .         | 25 |
| Chain of Custody . . . . .       | 26 |
| Receipt Checklists . . . . .     | 28 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| H         | Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.  |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

General Chemistry

| Qualifier | Qualifier Description                                                                                |
|-----------|------------------------------------------------------------------------------------------------------|
| HF        | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| U         | Indicates the analyte was analyzed for but not detected.                                             |

Glossary

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

## Case Narrative

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

**Job ID: 880-29353-1**

**Laboratory: Eurofins Midland**

### Narrative

#### Job Narrative 880-29353-1

#### Receipt

The sample was received on 6/9/2023 3:49 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.3°C

#### GC/MS VOA

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

#### HPLC/IC

Method 300\_ORGFM\_28D: The instrument blank/CCB for analytical batch 860-107354 contained Chloride greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been qualified and reported.

Method 300\_ORGFMS: Reanalysis of the following sample was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis : Levey Well (880-29353-1).

Method 300\_ORGFMS: The instrument blank/CCB for analytical batch 860-107355 contained Nitrite as N greater than the method detection limit (MDL), and were not reanalyzed because none of the samples associated with this instrument blank/CCB contained the target compound. The data have been qualified and reported.

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

#### Metals

Method 200.7: Due to the high concentration of Sodium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 860-107263 and analytical batch 860-107471 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

#### General Chemistry

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



## Client Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-29353-1

Date Collected: 06/09/23 10:00

Matrix: Water

Date Received: 06/09/23 15:49

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                       | Result            | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-------------------|-----------|---------|---------------|---|----------|----------------|---------|
| <b>Benzene</b>                | <b>0.00327</b>    |           | 0.00100 | 0.000460 mg/L |   |          | 06/13/23 16:01 | 1       |
| Bromobenzene                  | <0.000665 U       |           | 0.00100 | 0.000665 mg/L |   |          | 06/13/23 16:01 | 1       |
| Bromochloromethane            | <0.000657 U       |           | 0.00100 | 0.000657 mg/L |   |          | 06/13/23 16:01 | 1       |
| Bromodichloromethane          | <0.000552 U       |           | 0.00100 | 0.000552 mg/L |   |          | 06/13/23 16:01 | 1       |
| Bromoform                     | <0.000633 U       |           | 0.00500 | 0.000633 mg/L |   |          | 06/13/23 16:01 | 1       |
| Bromomethane                  | <0.00142 U        |           | 0.00500 | 0.00142 mg/L  |   |          | 06/13/23 16:01 | 1       |
| 2-Butanone                    | <0.00828 U        |           | 0.0500  | 0.00828 mg/L  |   |          | 06/13/23 16:01 | 1       |
| Carbon tetrachloride          | <0.000896 U       |           | 0.00500 | 0.000896 mg/L |   |          | 06/13/23 16:01 | 1       |
| Chlorobenzene                 | <0.000530 U       |           | 0.00100 | 0.000530 mg/L |   |          | 06/13/23 16:01 | 1       |
| Chloroethane                  | <0.00198 U        |           | 0.0100  | 0.00198 mg/L  |   |          | 06/13/23 16:01 | 1       |
| Chloroform                    | <0.000643 U       |           | 0.00100 | 0.000643 mg/L |   |          | 06/13/23 16:01 | 1       |
| Chloromethane                 | <0.00204 U        |           | 0.0100  | 0.00204 mg/L  |   |          | 06/13/23 16:01 | 1       |
| 2-Chlorotoluene               | <0.00118 U        |           | 0.00200 | 0.00118 mg/L  |   |          | 06/13/23 16:01 | 1       |
| 4-Chlorotoluene               | <0.000472 U       |           | 0.00100 | 0.000472 mg/L |   |          | 06/13/23 16:01 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 U       |           | 0.00100 | 0.000714 mg/L |   |          | 06/13/23 16:01 | 1       |
| cis-1,3-Dichloropropene       | <0.00107 U        |           | 0.00500 | 0.00107 mg/L  |   |          | 06/13/23 16:01 | 1       |
| Dibromochloromethane          | <0.000547 U       |           | 0.00500 | 0.000547 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127 U        |           | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 16:01 | 1       |
| 1,2-Dibromoethane             | <0.000999 U       |           | 0.00500 | 0.000999 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 U       |           | 0.00100 | 0.000509 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 U       |           | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 U       |           | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 16:01 | 1       |
| Dichlorodifluoromethane       | <0.000919 U       |           | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,1-Dichloroethane            | <0.000635 U       |           | 0.00100 | 0.000635 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,2-Dichloroethane            | <0.000590 U       |           | 0.00100 | 0.000590 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,1-Dichloroethene            | <0.000738 U       |           | 0.00100 | 0.000738 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,2-Dichloropropane           | <0.000667 U       |           | 0.00500 | 0.000667 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,3-Dichloropropane           | <0.000514 U       |           | 0.00500 | 0.000514 mg/L |   |          | 06/13/23 16:01 | 1       |
| 2,2-Dichloropropane           | <0.000780 U       |           | 0.00500 | 0.000780 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,1-Dichloropropene           | <0.00160 U        |           | 0.00500 | 0.00160 mg/L  |   |          | 06/13/23 16:01 | 1       |
| <b>Ethylbenzene</b>           | <b>0.0129</b>     |           | 0.00100 | 0.000411 mg/L |   |          | 06/13/23 16:01 | 1       |
| Hexachlorobutadiene           | <0.00126 U        |           | 0.00500 | 0.00126 mg/L  |   |          | 06/13/23 16:01 | 1       |
| <b>Isopropylbenzene</b>       | <b>0.00611</b>    |           | 0.00100 | 0.000613 mg/L |   |          | 06/13/23 16:01 | 1       |
| Methylene Chloride            | <0.00173 U        |           | 0.00500 | 0.00173 mg/L  |   |          | 06/13/23 16:01 | 1       |
| <b>m,p-Xylenes</b>            | <b>0.0529</b>     |           | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 16:01 | 1       |
| MTBE                          | <0.00139 U        |           | 0.00500 | 0.00139 mg/L  |   |          | 06/13/23 16:01 | 1       |
| Naphthalene                   | <0.00135 U        |           | 0.0100  | 0.00135 mg/L  |   |          | 06/13/23 16:01 | 1       |
| <b>n-Butylbenzene</b>         | <b>0.000774 J</b> |           | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 16:01 | 1       |
| <b>N-Propylbenzene</b>        | <b>0.00323</b>    |           | 0.00100 | 0.000498 mg/L |   |          | 06/13/23 16:01 | 1       |
| <b>o-Xylene</b>               | <b>0.00821</b>    |           | 0.00100 | 0.000551 mg/L |   |          | 06/13/23 16:01 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 U       |           | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 16:01 | 1       |
| <b>sec-Butylbenzene</b>       | <b>0.00137</b>    |           | 0.00100 | 0.000468 mg/L |   |          | 06/13/23 16:01 | 1       |
| Styrene                       | <0.000655 U       |           | 0.00100 | 0.000655 mg/L |   |          | 06/13/23 16:01 | 1       |
| tert-Butylbenzene             | <0.000442 U       |           | 0.00100 | 0.000442 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 U       |           | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 U       |           | 0.00100 | 0.000470 mg/L |   |          | 06/13/23 16:01 | 1       |
| Tetrachloroethene             | <0.000801 U       |           | 0.00100 | 0.000801 mg/L |   |          | 06/13/23 16:01 | 1       |
| <b>Toluene</b>                | <b>0.0264</b>     |           | 0.00100 | 0.000475 mg/L |   |          | 06/13/23 16:01 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 U       |           | 0.00100 | 0.000945 mg/L |   |          | 06/13/23 16:01 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-29353-1

Date Collected: 06/09/23 10:00

Matrix: Water

Date Received: 06/09/23 15:49

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 16:01 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U         | 0.00500 | 0.00217 mg/L  |   |          | 06/13/23 16:01 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U         | 0.00500 | 0.00175 mg/L  |   |          | 06/13/23 16:01 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U         | 0.00500 | 0.00169 mg/L  |   |          | 06/13/23 16:01 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U         | 0.00100 | 0.000511 mg/L |   |          | 06/13/23 16:01 | 1       |
| Trichloroethene           | <0.000791 | U         | 0.00500 | 0.000791 mg/L |   |          | 06/13/23 16:01 | 1       |
| Trichlorofluoromethane    | <0.000638 | U         | 0.00100 | 0.000638 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U         | 0.00100 | 0.000490 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,2,4-Trimethylbenzene    | 0.0140    |           | 0.00100 | 0.000417 mg/L |   |          | 06/13/23 16:01 | 1       |
| 1,3,5-Trimethylbenzene    | 0.00411   |           | 0.00100 | 0.000456 mg/L |   |          | 06/13/23 16:01 | 1       |
| Vinyl chloride            | <0.000638 | U         | 0.00200 | 0.000638 mg/L |   |          | 06/13/23 16:01 | 1       |
| Xylenes, Total            | 0.0611    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 16:01 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 105       |           | 74 - 124 |          | 06/13/23 16:01 | 1       |
| Dibromofluoromethane (Surr)  | 97        |           | 75 - 131 |          | 06/13/23 16:01 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 92        |           | 63 - 144 |          | 06/13/23 16:01 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |          | 06/13/23 16:01 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result  | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
| Bromide      | 0.482   | J         | 0.500 | 0.0711 mg/L |   |          | 06/13/23 10:43 | 1       |
| Nitrate as N | 0.180   | H         | 0.100 | 0.0391 mg/L |   |          | 06/13/23 10:43 | 1       |
| Chloride     | 225     |           | 0.500 | 0.250 mg/L  |   |          | 06/13/23 10:43 | 1       |
| Nitrite as N | <0.0293 | U H       | 0.100 | 0.0293 mg/L |   |          | 06/13/23 10:43 | 1       |
| Fluoride     | 0.451   | J         | 0.500 | 0.100 mg/L  |   |          | 06/13/23 10:43 | 1       |
| Sulfate      | 49.6    |           | 0.500 | 0.200 mg/L  |   |          | 06/13/23 10:43 | 1       |

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte   | Result | Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | 224    |           | 10.0  | 5.76 mg/L   |   | 06/12/23 10:00 | 06/12/23 18:30 | 50      |
| Magnesium | 43.7   |           | 0.200 | 0.0428 mg/L |   | 06/12/23 10:00 | 06/12/23 18:17 | 1       |
| Potassium | 3.21   |           | 0.500 | 0.0914 mg/L |   | 06/12/23 10:00 | 06/12/23 18:17 | 1       |
| Sodium    | 73.8   |           | 0.500 | 0.152 mg/L  |   | 06/12/23 10:00 | 06/12/23 18:17 | 1       |
| SiO2      | 62.3   |           | 1.07  | 0.471 mg/L  |   | 06/12/23 10:00 | 06/12/23 18:17 | 1       |

## General Chemistry

| Analyte                                    | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Anion/Cation Balance (SM 1030E)            | -13.4  |           |      | %         |   |          | 06/13/23 08:37 | 1       |
| Alkalinity (SM 2320B)                      | 710    |           | 4.00 | 4.00 mg/L |   |          | 06/14/23 14:55 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 710    |           | 4.00 | 4.00 mg/L |   |          | 06/14/23 14:55 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/14/23 14:55 | 1       |
| Hydroxide Alkalinity (SM 2320B)            | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/14/23 14:55 | 1       |
| Phenolphthalein Alkalinity (SM 2320B)      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/14/23 14:55 | 1       |
| Total Dissolved Solids (SM 2540C)          | 1360   |           | 10.0 | 10.0 mg/L |   |          | 06/10/23 17:58 | 1       |
| pH (SM 4500 H+ B)                          | 6.7    | HF        |      | SU        |   |          | 06/13/23 16:20 | 1       |
| Temperature (SM 4500 H+ B)                 | 20.0   | HF        |      | Degrees C |   |          | 06/13/23 16:20 | 1       |

Eurofins Midland

Surrogate Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

Method: 8260C - Volatile Organic Compounds by GC/MS  
Matrix: Water

Prep Type: Total/NA

|                                    |                        | Percent Surrogate Recovery (Acceptance Limits) |          |          |          |
|------------------------------------|------------------------|------------------------------------------------|----------|----------|----------|
| Lab Sample ID                      | Client Sample ID       | BFB                                            | DBFM     | DCA      | TOL      |
|                                    |                        | (74-124)                                       | (75-131) | (63-144) | (80-120) |
| 880-29353-1                        | Levey Well             | 105                                            | 97       | 92       | 104      |
| 880-29353-1 MS                     | Levey Well             | 98                                             | 97       | 90       | 97       |
| LCS 860-107490/1010                | Lab Control Sample     | 100                                            | 97       | 93       | 98       |
| LCSD 860-107490/11                 | Lab Control Sample Dup | 99                                             | 98       | 88       | 98       |
| MB 860-107490/16                   | Method Blank           | 106                                            | 100      | 96       | 104      |
| Surrogate Legend                   |                        |                                                |          |          |          |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |                                                |          |          |          |
| DBFM = Dibromofluoromethane (Surr) |                        |                                                |          |          |          |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |                                                |          |          |          |
| TOL = Toluene-d8 (Surr)            |                        |                                                |          |          |          |

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-107490/16

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U            | 0.00100 | 0.000460 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromobenzene                  | <0.000665 | U            | 0.00100 | 0.000665 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromochloromethane            | <0.000657 | U            | 0.00100 | 0.000657 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromodichloromethane          | <0.000552 | U            | 0.00100 | 0.000552 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromoform                     | <0.000633 | U            | 0.00500 | 0.000633 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromomethane                  | <0.00142  | U            | 0.00500 | 0.00142 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 2-Butanone                    | <0.00828  | U            | 0.0500  | 0.00828 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Carbon tetrachloride          | <0.000896 | U            | 0.00500 | 0.000896 mg/L |   |          | 06/13/23 15:04 | 1       |
| Chlorobenzene                 | <0.000530 | U            | 0.00100 | 0.000530 mg/L |   |          | 06/13/23 15:04 | 1       |
| Chloroethane                  | <0.00198  | U            | 0.0100  | 0.00198 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Chloroform                    | <0.000643 | U            | 0.00100 | 0.000643 mg/L |   |          | 06/13/23 15:04 | 1       |
| Chloromethane                 | <0.00204  | U            | 0.0100  | 0.00204 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 2-Chlorotoluene               | <0.00118  | U            | 0.00200 | 0.00118 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 4-Chlorotoluene               | <0.000472 | U            | 0.00100 | 0.000472 mg/L |   |          | 06/13/23 15:04 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U            | 0.00100 | 0.000714 mg/L |   |          | 06/13/23 15:04 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U            | 0.00500 | 0.00107 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Dibromochloromethane          | <0.000547 | U            | 0.00500 | 0.000547 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U            | 0.00500 | 0.000999 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U            | 0.00100 | 0.000509 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 15:04 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U            | 0.00100 | 0.000635 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U            | 0.00100 | 0.000590 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U            | 0.00100 | 0.000738 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U            | 0.00500 | 0.000667 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U            | 0.00500 | 0.000514 mg/L |   |          | 06/13/23 15:04 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U            | 0.00500 | 0.000780 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U            | 0.00500 | 0.00160 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Ethylbenzene                  | <0.000411 | U            | 0.00100 | 0.000411 mg/L |   |          | 06/13/23 15:04 | 1       |
| Hexachlorobutadiene           | <0.00126  | U            | 0.00500 | 0.00126 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Isopropylbenzene              | <0.000613 | U            | 0.00100 | 0.000613 mg/L |   |          | 06/13/23 15:04 | 1       |
| Methylene Chloride            | <0.00173  | U            | 0.00500 | 0.00173 mg/L  |   |          | 06/13/23 15:04 | 1       |
| m,p-Xylenes                   | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 15:04 | 1       |
| MTBE                          | <0.00139  | U            | 0.00500 | 0.00139 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Naphthalene                   | <0.00135  | U            | 0.0100  | 0.00135 mg/L  |   |          | 06/13/23 15:04 | 1       |
| n-Butylbenzene                | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 15:04 | 1       |
| N-Propylbenzene               | <0.000498 | U            | 0.00100 | 0.000498 mg/L |   |          | 06/13/23 15:04 | 1       |
| o-Xylene                      | <0.000551 | U            | 0.00100 | 0.000551 mg/L |   |          | 06/13/23 15:04 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 15:04 | 1       |
| sec-Butylbenzene              | <0.000468 | U            | 0.00100 | 0.000468 mg/L |   |          | 06/13/23 15:04 | 1       |
| Styrene                       | <0.000655 | U            | 0.00100 | 0.000655 mg/L |   |          | 06/13/23 15:04 | 1       |
| tert-Butylbenzene             | <0.000442 | U            | 0.00100 | 0.000442 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U            | 0.00100 | 0.000470 mg/L |   |          | 06/13/23 15:04 | 1       |
| Tetrachloroethene             | <0.000801 | U            | 0.00100 | 0.000801 mg/L |   |          | 06/13/23 15:04 | 1       |
| Toluene                       | <0.000475 | U            | 0.00100 | 0.000475 mg/L |   |          | 06/13/23 15:04 | 1       |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-107490/16

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.000945 | U            | 0.00100 | 0.000945 mg/L |   |          | 06/13/23 15:04 | 1       |
| trans-1,3-Dichloropropene | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U            | 0.00500 | 0.00217 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U            | 0.00500 | 0.00175 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U            | 0.00500 | 0.00169 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U            | 0.00100 | 0.000511 mg/L |   |          | 06/13/23 15:04 | 1       |
| Trichloroethene           | <0.000791 | U            | 0.00500 | 0.000791 mg/L |   |          | 06/13/23 15:04 | 1       |
| Trichlorofluoromethane    | <0.000638 | U            | 0.00100 | 0.000638 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U            | 0.00100 | 0.000490 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U            | 0.00100 | 0.000417 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U            | 0.00100 | 0.000456 mg/L |   |          | 06/13/23 15:04 | 1       |
| Vinyl chloride            | <0.000638 | U            | 0.00200 | 0.000638 mg/L |   |          | 06/13/23 15:04 | 1       |
| Xylenes, Total            | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 15:04 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 106          |              | 74 - 124 |          | 06/13/23 15:04 | 1       |
| Dibromofluoromethane (Surr)  | 100          |              | 75 - 131 |          | 06/13/23 15:04 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 96           |              | 63 - 144 |          | 06/13/23 15:04 | 1       |
| Toluene-d8 (Surr)            | 104          |              | 80 - 120 |          | 06/13/23 15:04 | 1       |

Lab Sample ID: LCS 860-107490/1010

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene                     | 0.0500      | 0.05004    |               | mg/L |   | 100  | 75 - 125    |
| Bromobenzene                | 0.0500      | 0.04849    |               | mg/L |   | 97   | 75 - 125    |
| Bromochloromethane          | 0.0500      | 0.04896    |               | mg/L |   | 98   | 60 - 140    |
| Bromodichloromethane        | 0.0500      | 0.05071    |               | mg/L |   | 101  | 75 - 125    |
| Bromoform                   | 0.0500      | 0.04438    |               | mg/L |   | 89   | 70 - 130    |
| Bromomethane                | 0.0500      | 0.04913    |               | mg/L |   | 98   | 60 - 140    |
| 2-Butanone                  | 0.250       | 0.2304     |               | mg/L |   | 92   | 60 - 140    |
| Carbon tetrachloride        | 0.0500      | 0.04175    |               | mg/L |   | 83   | 70 - 130    |
| Chlorobenzene               | 0.0500      | 0.04800    |               | mg/L |   | 96   | 65 - 135    |
| Chloroethane                | 0.0500      | 0.03946    |               | mg/L |   | 79   | 60 - 140    |
| Chloroform                  | 0.0500      | 0.04803    |               | mg/L |   | 96   | 70 - 121    |
| Chloromethane               | 0.0500      | 0.04628    |               | mg/L |   | 93   | 60 - 140    |
| 2-Chlorotoluene             | 0.0500      | 0.04849    |               | mg/L |   | 97   | 73 - 125    |
| 4-Chlorotoluene             | 0.0500      | 0.04830    |               | mg/L |   | 97   | 74 - 125    |
| cis-1,2-Dichloroethene      | 0.0500      | 0.04616    |               | mg/L |   | 92   | 75 - 125    |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05150    |               | mg/L |   | 103  | 74 - 125    |
| Dibromochloromethane        | 0.0500      | 0.05184    |               | mg/L |   | 104  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05381    |               | mg/L |   | 108  | 59 - 125    |
| 1,2-Dibromoethane           | 0.0500      | 0.04915    |               | mg/L |   | 98   | 73 - 125    |
| 1,2-Dichlorobenzene         | 0.0500      | 0.04877    |               | mg/L |   | 98   | 75 - 125    |
| 1,3-Dichlorobenzene         | 0.0500      | 0.04858    |               | mg/L |   | 97   | 75 - 125    |
| 1,4-Dichlorobenzene         | 0.0500      | 0.04842    |               | mg/L |   | 97   | 75 - 125    |
| Dichlorodifluoromethane     | 0.0500      | 0.04701    |               | mg/L |   | 94   | 50 - 150    |

Eurofins Midland



## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-107490/1010

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1-Dichloroethane            | 0.0500      | 0.05042    |               | mg/L |   | 101  | 70 - 130    |
| 1,2-Dichloroethane            | 0.0500      | 0.04434    |               | mg/L |   | 89   | 72 - 130    |
| 1,1-Dichloroethene            | 0.0500      | 0.04890    |               | mg/L |   | 98   | 50 - 150    |
| 1,2-Dichloropropane           | 0.0500      | 0.05128    |               | mg/L |   | 103  | 74 - 125    |
| 1,3-Dichloropropane           | 0.0500      | 0.04862    |               | mg/L |   | 97   | 75 - 125    |
| 2,2-Dichloropropane           | 0.0500      | 0.04646    |               | mg/L |   | 93   | 75 - 125    |
| 1,1-Dichloropropene           | 0.0500      | 0.04322    |               | mg/L |   | 86   | 75 - 125    |
| Ethylbenzene                  | 0.0500      | 0.04920    |               | mg/L |   | 98   | 75 - 125    |
| Hexachlorobutadiene           | 0.0500      | 0.04864    |               | mg/L |   | 97   | 75 - 125    |
| Isopropylbenzene              | 0.0500      | 0.04964    |               | mg/L |   | 99   | 75 - 125    |
| Methylene Chloride            | 0.0500      | 0.04597    |               | mg/L |   | 92   | 71 - 125    |
| m,p-Xylenes                   | 0.0500      | 0.04900    |               | mg/L |   | 98   | 75 - 125    |
| MTBE                          | 0.0500      | 0.04917    |               | mg/L |   | 98   | 65 - 135    |
| Naphthalene                   | 0.0500      | 0.05018    |               | mg/L |   | 100  | 70 - 130    |
| n-Butylbenzene                | 0.0500      | 0.04929    |               | mg/L |   | 99   | 75 - 125    |
| N-Propylbenzene               | 0.0500      | 0.04952    |               | mg/L |   | 99   | 75 - 125    |
| o-Xylene                      | 0.0500      | 0.04933    |               | mg/L |   | 99   | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05016    |               | mg/L |   | 100  | 75 - 125    |
| sec-Butylbenzene              | 0.0500      | 0.04924    |               | mg/L |   | 98   | 75 - 125    |
| Styrene                       | 0.0500      | 0.05076    |               | mg/L |   | 102  | 75 - 125    |
| tert-Butylbenzene             | 0.0500      | 0.04999    |               | mg/L |   | 100  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05020    |               | mg/L |   | 100  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05105    |               | mg/L |   | 102  | 74 - 125    |
| Tetrachloroethene             | 0.0500      | 0.04931    |               | mg/L |   | 99   | 71 - 125    |
| Toluene                       | 0.0500      | 0.04815    |               | mg/L |   | 96   | 70 - 130    |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04729    |               | mg/L |   | 95   | 75 - 125    |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05052    |               | mg/L |   | 101  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.04941    |               | mg/L |   | 99   | 75 - 137    |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.04862    |               | mg/L |   | 97   | 75 - 135    |
| 1,1,1-Trichloroethane         | 0.0500      | 0.04938    |               | mg/L |   | 99   | 70 - 130    |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05076    |               | mg/L |   | 102  | 70 - 130    |
| Trichloroethene               | 0.0500      | 0.04960    |               | mg/L |   | 99   | 75 - 135    |
| Trichlorofluoromethane        | 0.0500      | 0.04866    |               | mg/L |   | 97   | 60 - 140    |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05138    |               | mg/L |   | 103  | 75 - 125    |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.04938    |               | mg/L |   | 99   | 75 - 125    |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.04808    |               | mg/L |   | 96   | 60 - 140    |
| Vinyl chloride                | 0.0500      | 0.05186    |               | mg/L |   | 104  | 60 - 140    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 97            |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 93            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 98            |               | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-107490/11

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-------------------------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
|                               |                |                |                   |      |   |      |                |     |              |
| Benzene                       | 0.0500         | 0.05363        |                   | mg/L |   | 107  | 75 - 125       | 7   | 25           |
| Bromobenzene                  | 0.0500         | 0.05148        |                   | mg/L |   | 103  | 75 - 125       | 6   | 25           |
| Bromochloromethane            | 0.0500         | 0.05367        |                   | mg/L |   | 107  | 60 - 140       | 9   | 25           |
| Bromodichloromethane          | 0.0500         | 0.05470        |                   | mg/L |   | 109  | 75 - 125       | 8   | 25           |
| Bromoform                     | 0.0500         | 0.04877        |                   | mg/L |   | 98   | 70 - 130       | 9   | 25           |
| Bromomethane                  | 0.0500         | 0.05393        |                   | mg/L |   | 108  | 60 - 140       | 9   | 25           |
| 2-Butanone                    | 0.250          | 0.2565         |                   | mg/L |   | 103  | 60 - 140       | 11  | 25           |
| Carbon tetrachloride          | 0.0500         | 0.04363        |                   | mg/L |   | 87   | 70 - 130       | 4   | 25           |
| Chlorobenzene                 | 0.0500         | 0.05203        |                   | mg/L |   | 104  | 65 - 135       | 8   | 25           |
| Chloroethane                  | 0.0500         | 0.03800        |                   | mg/L |   | 76   | 60 - 140       | 4   | 25           |
| Chloroform                    | 0.0500         | 0.05152        |                   | mg/L |   | 103  | 70 - 121       | 7   | 25           |
| Chloromethane                 | 0.0500         | 0.04778        |                   | mg/L |   | 96   | 60 - 140       | 3   | 25           |
| 2-Chlorotoluene               | 0.0500         | 0.05218        |                   | mg/L |   | 104  | 73 - 125       | 7   | 25           |
| 4-Chlorotoluene               | 0.0500         | 0.05153        |                   | mg/L |   | 103  | 74 - 125       | 6   | 25           |
| cis-1,2-Dichloroethene        | 0.0500         | 0.04938        |                   | mg/L |   | 99   | 75 - 125       | 7   | 25           |
| cis-1,3-Dichloropropene       | 0.0500         | 0.05459        |                   | mg/L |   | 109  | 74 - 125       | 6   | 25           |
| Dibromochloromethane          | 0.0500         | 0.05583        |                   | mg/L |   | 112  | 73 - 125       | 7   | 25           |
| 1,2-Dibromo-3-Chloropropane   | 0.0500         | 0.05823        |                   | mg/L |   | 116  | 59 - 125       | 8   | 25           |
| 1,2-Dibromoethane             | 0.0500         | 0.05375        |                   | mg/L |   | 107  | 73 - 125       | 9   | 25           |
| 1,2-Dichlorobenzene           | 0.0500         | 0.05216        |                   | mg/L |   | 104  | 75 - 125       | 7   | 25           |
| 1,3-Dichlorobenzene           | 0.0500         | 0.05115        |                   | mg/L |   | 102  | 75 - 125       | 5   | 25           |
| 1,4-Dichlorobenzene           | 0.0500         | 0.05188        |                   | mg/L |   | 104  | 75 - 125       | 7   | 25           |
| Dichlorodifluoromethane       | 0.0500         | 0.05011        |                   | mg/L |   | 100  | 50 - 150       | 6   | 25           |
| 1,1-Dichloroethane            | 0.0500         | 0.05450        |                   | mg/L |   | 109  | 70 - 130       | 8   | 25           |
| 1,2-Dichloroethane            | 0.0500         | 0.04962        |                   | mg/L |   | 99   | 72 - 130       | 11  | 25           |
| 1,1-Dichloroethene            | 0.0500         | 0.05210        |                   | mg/L |   | 104  | 50 - 150       | 6   | 25           |
| 1,2-Dichloropropane           | 0.0500         | 0.05557        |                   | mg/L |   | 111  | 74 - 125       | 8   | 25           |
| 1,3-Dichloropropane           | 0.0500         | 0.05239        |                   | mg/L |   | 105  | 75 - 125       | 7   | 25           |
| 2,2-Dichloropropane           | 0.0500         | 0.05391        |                   | mg/L |   | 108  | 75 - 125       | 15  | 25           |
| 1,1-Dichloropropene           | 0.0500         | 0.04464        |                   | mg/L |   | 89   | 75 - 125       | 3   | 25           |
| Ethylbenzene                  | 0.0500         | 0.05298        |                   | mg/L |   | 106  | 75 - 125       | 7   | 25           |
| Hexachlorobutadiene           | 0.0500         | 0.05117        |                   | mg/L |   | 102  | 75 - 125       | 5   | 25           |
| Isopropylbenzene              | 0.0500         | 0.05305        |                   | mg/L |   | 106  | 75 - 125       | 7   | 25           |
| Methylene Chloride            | 0.0500         | 0.04814        |                   | mg/L |   | 96   | 71 - 125       | 5   | 25           |
| m,p-Xylenes                   | 0.0500         | 0.05240        |                   | mg/L |   | 105  | 75 - 125       | 7   | 25           |
| MTBE                          | 0.0500         | 0.05742        |                   | mg/L |   | 115  | 65 - 135       | 15  | 25           |
| Naphthalene                   | 0.0500         | 0.05614        |                   | mg/L |   | 112  | 70 - 130       | 11  | 25           |
| n-Butylbenzene                | 0.0500         | 0.05266        |                   | mg/L |   | 105  | 75 - 125       | 7   | 25           |
| N-Propylbenzene               | 0.0500         | 0.05260        |                   | mg/L |   | 105  | 75 - 125       | 6   | 25           |
| o-Xylene                      | 0.0500         | 0.05245        |                   | mg/L |   | 105  | 75 - 125       | 6   | 25           |
| p-Cymene (p-Isopropyltoluene) | 0.0500         | 0.05368        |                   | mg/L |   | 107  | 75 - 125       | 7   | 25           |
| sec-Butylbenzene              | 0.0500         | 0.05256        |                   | mg/L |   | 105  | 75 - 125       | 7   | 25           |
| Styrene                       | 0.0500         | 0.05423        |                   | mg/L |   | 108  | 75 - 125       | 7   | 25           |
| tert-Butylbenzene             | 0.0500         | 0.05315        |                   | mg/L |   | 106  | 75 - 125       | 6   | 25           |
| 1,1,1,2-Tetrachloroethane     | 0.0500         | 0.05416        |                   | mg/L |   | 108  | 72 - 125       | 8   | 25           |
| 1,1,2,2-Tetrachloroethane     | 0.0500         | 0.05462        |                   | mg/L |   | 109  | 74 - 125       | 7   | 25           |
| Tetrachloroethene             | 0.0500         | 0.05382        |                   | mg/L |   | 108  | 71 - 125       | 9   | 25           |
| Toluene                       | 0.0500         | 0.05191        |                   | mg/L |   | 104  | 70 - 130       | 8   | 25           |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-107490/11

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.05468     |                | mg/L |   | 109  | 75 - 125    | 14  | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05410     |                | mg/L |   | 108  | 66 - 125    | 7   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.05482     |                | mg/L |   | 110  | 75 - 137    | 10  | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05440     |                | mg/L |   | 109  | 75 - 135    | 11  | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05329     |                | mg/L |   | 107  | 70 - 130    | 8   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05444     |                | mg/L |   | 109  | 70 - 130    | 7   | 25        |
| Trichloroethene           | 0.0500      | 0.05217     |                | mg/L |   | 104  | 75 - 135    | 5   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.05068     |                | mg/L |   | 101  | 60 - 140    | 4   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05487     |                | mg/L |   | 110  | 75 - 125    | 7   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05172     |                | mg/L |   | 103  | 75 - 125    | 5   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05199     |                | mg/L |   | 104  | 60 - 140    | 8   | 25        |
| Vinyl chloride            | 0.0500      | 0.05397     |                | mg/L |   | 108  | 60 - 140    | 4   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 99             |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 98             |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 88             |                | 63 - 144    |
| Toluene-d8 (Surr)            | 98             |                | 80 - 120    |

Lab Sample ID: 880-29353-1 MS

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Levey Well

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Benzene                     | 0.00327       |                  | 0.0500      | 0.05602   |              | mg/L |   | 105  | 66 - 142    |
| Bromobenzene                | <0.000665     | U                | 0.0500      | 0.04861   |              | mg/L |   | 97   | 75 - 125    |
| Bromochloromethane          | <0.000657     | U                | 0.0500      | 0.05431   |              | mg/L |   | 109  | 60 - 140    |
| Bromodichloromethane        | <0.000552     | U                | 0.0500      | 0.05512   |              | mg/L |   | 110  | 75 - 125    |
| Bromoform                   | <0.000633     | U                | 0.0500      | 0.04761   |              | mg/L |   | 95   | 75 - 125    |
| Bromomethane                | <0.00142      | U                | 0.0500      | 0.04668   |              | mg/L |   | 93   | 60 - 140    |
| 2-Butanone                  | <0.00828      | U                | 0.250       | 0.2586    |              | mg/L |   | 103  | 60 - 140    |
| Carbon tetrachloride        | <0.000896     | U                | 0.0500      | 0.04239   |              | mg/L |   | 85   | 62 - 125    |
| Chlorobenzene               | <0.000530     | U                | 0.0500      | 0.05000   |              | mg/L |   | 100  | 60 - 133    |
| Chloroethane                | <0.00198      | U                | 0.0500      | 0.04632   |              | mg/L |   | 93   | 60 - 140    |
| Chloroform                  | <0.000643     | U                | 0.0500      | 0.04854   |              | mg/L |   | 97   | 70 - 130    |
| Chloromethane               | <0.00204      | U                | 0.0500      | 0.04838   |              | mg/L |   | 97   | 60 - 140    |
| 2-Chlorotoluene             | <0.00118      | U                | 0.0500      | 0.04950   |              | mg/L |   | 99   | 73 - 125    |
| 4-Chlorotoluene             | <0.000472     | U                | 0.0500      | 0.04725   |              | mg/L |   | 94   | 74 - 125    |
| cis-1,2-Dichloroethene      | <0.000714     | U                | 0.0500      | 0.04781   |              | mg/L |   | 96   | 75 - 125    |
| cis-1,3-Dichloropropene     | <0.00107      | U                | 0.0500      | 0.05527   |              | mg/L |   | 111  | 74 - 125    |
| Dibromochloromethane        | <0.000547     | U                | 0.0500      | 0.05632   |              | mg/L |   | 113  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | <0.00127      | U                | 0.0500      | 0.05634   |              | mg/L |   | 113  | 59 - 125    |
| 1,2-Dibromoethane           | <0.000999     | U                | 0.0500      | 0.05335   |              | mg/L |   | 107  | 73 - 125    |
| 1,2-Dichlorobenzene         | <0.000509     | U                | 0.0500      | 0.04934   |              | mg/L |   | 99   | 75 - 125    |
| 1,3-Dichlorobenzene         | <0.000513     | U                | 0.0500      | 0.04923   |              | mg/L |   | 98   | 75 - 125    |
| 1,4-Dichlorobenzene         | <0.000513     | U                | 0.0500      | 0.04840   |              | mg/L |   | 97   | 75 - 125    |
| Dichlorodifluoromethane     | <0.000919     | U                | 0.0500      | 0.04539   |              | mg/L |   | 91   | 70 - 130    |
| 1,1-Dichloroethane          | <0.000635     | U                | 0.0500      | 0.05441   |              | mg/L |   | 109  | 72 - 125    |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 880-29353-1 MS

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Levey Well

Prep Type: Total/NA

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1,2-Dichloroethane            | <0.000590     | U                | 0.0500      | 0.04817   |              | mg/L |   | 96   | 68 - 127    |
| 1,1-Dichloroethene            | <0.000738     | U                | 0.0500      | 0.04833   |              | mg/L |   | 97   | 59 - 172    |
| 1,2-Dichloropropane           | <0.000667     | U                | 0.0500      | 0.05557   |              | mg/L |   | 111  | 74 - 125    |
| 1,3-Dichloropropane           | <0.000514     | U                | 0.0500      | 0.05204   |              | mg/L |   | 104  | 75 - 125    |
| 2,2-Dichloropropane           | <0.000780     | U                | 0.0500      | 0.05145   |              | mg/L |   | 103  | 75 - 125    |
| 1,1-Dichloropropene           | <0.00160      | U                | 0.0500      | 0.04330   |              | mg/L |   | 87   | 75 - 125    |
| Ethylbenzene                  | 0.0129        |                  | 0.0500      | 0.06575   |              | mg/L |   | 106  | 75 - 125    |
| Hexachlorobutadiene           | <0.00126      | U                | 0.0500      | 0.04968   |              | mg/L |   | 99   | 75 - 125    |
| Isopropylbenzene              | 0.00611       |                  | 0.0500      | 0.05798   |              | mg/L |   | 104  | 75 - 125    |
| Methylene Chloride            | <0.00173      | U                | 0.0500      | 0.04625   |              | mg/L |   | 92   | 75 - 125    |
| m,p-Xylenes                   | 0.0529        |                  | 0.0500      | 0.1097    |              | mg/L |   | 114  | 75 - 125    |
| MTBE                          | <0.00139      | U                | 0.0500      | 0.05367   |              | mg/L |   | 107  | 65 - 135    |
| Naphthalene                   | <0.00135      | U                | 0.0500      | 0.05399   |              | mg/L |   | 108  | 70 - 130    |
| n-Butylbenzene                | 0.000774      | J                | 0.0500      | 0.04991   |              | mg/L |   | 98   | 75 - 125    |
| N-Propylbenzene               | 0.00323       |                  | 0.0500      | 0.05129   |              | mg/L |   | 96   | 75 - 125    |
| o-Xylene                      | 0.00821       |                  | 0.0500      | 0.06042   |              | mg/L |   | 104  | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | <0.000919     | U                | 0.0500      | 0.05027   |              | mg/L |   | 101  | 75 - 125    |
| sec-Butylbenzene              | 0.00137       |                  | 0.0500      | 0.04959   |              | mg/L |   | 96   | 75 - 125    |
| Styrene                       | <0.000655     | U                | 0.0500      | 0.05249   |              | mg/L |   | 105  | 75 - 125    |
| tert-Butylbenzene             | <0.000442     | U                | 0.0500      | 0.04836   |              | mg/L |   | 97   | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | <0.000644     | U                | 0.0500      | 0.05343   |              | mg/L |   | 107  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | <0.000470     | U                | 0.0500      | 0.05128   |              | mg/L |   | 103  | 74 - 125    |
| Tetrachloroethene             | <0.000801     | U                | 0.0500      | 0.05118   |              | mg/L |   | 102  | 71 - 125    |
| Toluene                       | 0.0264        |                  | 0.0500      | 0.07954   |              | mg/L |   | 106  | 59 - 139    |
| trans-1,2-Dichloroethene      | <0.000945     | U                | 0.0500      | 0.05189   |              | mg/L |   | 104  | 75 - 125    |
| trans-1,3-Dichloropropene     | <0.00127      | U                | 0.0500      | 0.05346   |              | mg/L |   | 107  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | <0.00217      | U                | 0.0500      | 0.05253   |              | mg/L |   | 105  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | <0.00175      | U                | 0.0500      | 0.05128   |              | mg/L |   | 103  | 75 - 135    |
| 1,1,1-Trichloroethane         | <0.00169      | U                | 0.0500      | 0.04941   |              | mg/L |   | 99   | 75 - 125    |
| 1,1,2-Trichloroethane         | <0.000511     | U                | 0.0500      | 0.05364   |              | mg/L |   | 107  | 75 - 127    |
| Trichloroethene               | <0.000791     | U                | 0.0500      | 0.05028   |              | mg/L |   | 101  | 62 - 137    |
| Trichlorofluoromethane        | <0.000638     | U                | 0.0500      | 0.04691   |              | mg/L |   | 94   | 60 - 140    |
| 1,2,3-Trichloropropane        | <0.000490     | U                | 0.0500      | 0.05290   |              | mg/L |   | 106  | 75 - 125    |
| 1,2,4-Trimethylbenzene        | 0.0140        |                  | 0.0500      | 0.06249   |              | mg/L |   | 97   | 75 - 125    |
| 1,3,5-Trimethylbenzene        | 0.00411       |                  | 0.0500      | 0.05146   |              | mg/L |   | 95   | 70 - 125    |
| Vinyl chloride                | <0.000638     | U                | 0.0500      | 0.04091   |              | mg/L |   | 82   | 60 - 140    |
| Surrogate                     | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |             |
| 4-Bromofluorobenzene (Surr)   | 98            |                  | 74 - 124    |           |              |      |   |      |             |
| Dibromofluoromethane (Surr)   | 97            |                  | 75 - 131    |           |              |      |   |      |             |
| 1,2-Dichloroethane-d4 (Surr)  | 90            |                  | 63 - 144    |           |              |      |   |      |             |
| Toluene-d8 (Surr)             | 97            |                  | 80 - 120    |           |              |      |   |      |             |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-107354/3

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB<br>Result | MB<br>Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|-------|-------------|---|----------|----------------|---------|
| Bromide  | <0.0711      | U               | 0.500 | 0.0711 mg/L |   |          | 06/12/23 15:52 | 1       |
| Chloride | <0.250       | U               | 0.500 | 0.250 mg/L  |   |          | 06/12/23 15:52 | 1       |
| Fluoride | <0.100       | U               | 0.500 | 0.100 mg/L  |   |          | 06/12/23 15:52 | 1       |
| Sulfate  | <0.200       | U               | 0.500 | 0.200 mg/L  |   |          | 06/12/23 15:52 | 1       |

Lab Sample ID: MB 860-107354/4

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB<br>Result | MB<br>Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|-------|-------------|---|----------|----------------|---------|
| Bromide  | <0.0711      | U               | 0.500 | 0.0711 mg/L |   |          | 06/13/23 06:45 | 1       |
| Chloride | <0.250       | U               | 0.500 | 0.250 mg/L  |   |          | 06/13/23 06:45 | 1       |
| Fluoride | <0.100       | U               | 0.500 | 0.100 mg/L  |   |          | 06/13/23 06:45 | 1       |
| Sulfate  | <0.200       | U               | 0.500 | 0.200 mg/L  |   |          | 06/13/23 06:45 | 1       |

Lab Sample ID: LCS 860-107354/4

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|------|---|------|----------------|
| Bromide  | 10.0           | 9.881         |                  | mg/L |   | 99   | 90 - 110       |
| Chloride | 10.0           | 9.996         |                  | mg/L |   | 100  | 90 - 110       |
| Fluoride | 10.0           | 10.16         |                  | mg/L |   | 102  | 90 - 110       |
| Sulfate  | 10.0           | 10.39         |                  | mg/L |   | 104  | 90 - 110       |

Lab Sample ID: LCS 860-107354/5

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|------|---|------|----------------|
| Bromide  | 10.0           | 9.047         |                  | mg/L |   | 90   | 90 - 110       |
| Chloride | 10.0           | 9.996         |                  | mg/L |   | 100  | 90 - 110       |
| Fluoride | 10.0           | 10.24         |                  | mg/L |   | 102  | 90 - 110       |
| Sulfate  | 10.0           | 9.885         |                  | mg/L |   | 99   | 90 - 110       |

Lab Sample ID: LCSD 860-107354/5

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Bromide  | 10.0           | 9.823          |                   | mg/L |   | 98   | 90 - 110       | 1   | 20           |
| Chloride | 10.0           | 10.02          |                   | mg/L |   | 100  | 90 - 110       | 0   | 20           |
| Fluoride | 10.0           | 10.22          |                   | mg/L |   | 102  | 90 - 110       | 1   | 20           |
| Sulfate  | 10.0           | 10.38          |                   | mg/L |   | 104  | 90 - 110       | 0   | 20           |

Eurofins Midland



## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-107354/56

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec     |     | RPD | Limit |
|----------|----------------|----------------|-------------------|------|---|------|----------|-----|-----|-------|
|          |                |                |                   |      |   |      | Limits   | RPD |     |       |
| Bromide  | 10.0           | 9.070          |                   | mg/L |   | 91   | 90 - 110 | 0   |     | 20    |
| Chloride | 10.0           | 10.00          |                   | mg/L |   | 100  | 90 - 110 | 0   |     | 20    |
| Fluoride | 10.0           | 10.27          |                   | mg/L |   | 103  | 90 - 110 | 0   |     | 20    |
| Sulfate  | 10.0           | 9.907          |                   | mg/L |   | 99   | 90 - 110 | 0   |     | 20    |

Lab Sample ID: LLCS 860-107354/7

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LLCS<br>Result | LLCS<br>Qualifier | Unit | D | %Rec | %Rec     |     | RPD | Limit |
|----------|----------------|----------------|-------------------|------|---|------|----------|-----|-----|-------|
|          |                |                |                   |      |   |      | Limits   | RPD |     |       |
| Bromide  | 0.500          | 0.6491         |                   | mg/L |   | 130  | 50 - 150 |     |     |       |
| Chloride | 0.500          | 0.5956         |                   | mg/L |   | 119  | 50 - 150 |     |     |       |
| Fluoride | 0.500          | 0.5582         |                   | mg/L |   | 112  | 50 - 150 |     |     |       |
| Sulfate  | 0.500          | 0.5413         |                   | mg/L |   | 108  | 50 - 150 |     |     |       |

Lab Sample ID: MB 860-107355/3

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB MB   |           | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
|              | Result  | Qualifier |       |             |   |          |                |         |
| Nitrate as N | <0.0391 | U         | 0.100 | 0.0391 mg/L |   |          | 06/12/23 15:52 | 1       |
| Nitrite as N | <0.0293 | U         | 0.100 | 0.0293 mg/L |   |          | 06/12/23 15:52 | 1       |

Lab Sample ID: MB 860-107355/54

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB MB   |           | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
|              | Result  | Qualifier |       |             |   |          |                |         |
| Nitrate as N | <0.0391 | U         | 0.100 | 0.0391 mg/L |   |          | 06/13/23 06:45 | 1       |
| Nitrite as N | <0.0293 | U         | 0.100 | 0.0293 mg/L |   |          | 06/13/23 06:45 | 1       |

Lab Sample ID: LCS 860-107355/4

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec     |     | RPD | Limit |
|--------------|----------------|---------------|------------------|------|---|------|----------|-----|-----|-------|
|              |                |               |                  |      |   |      | Limits   | RPD |     |       |
| Nitrate as N | 10.0           | 10.06         |                  | mg/L |   | 101  | 80 - 120 |     |     |       |
| Nitrite as N | 10.0           | 9.592         |                  | mg/L |   | 96   | 80 - 120 |     |     |       |

Lab Sample ID: LCS 860-107355/55

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec     |     | RPD | Limit |
|--------------|----------------|---------------|------------------|------|---|------|----------|-----|-----|-------|
|              |                |               |                  |      |   |      | Limits   | RPD |     |       |
| Nitrate as N | 10.0           | 10.03         |                  | mg/L |   | 100  | 80 - 120 |     |     |       |
| Nitrite as N | 10.0           | 9.618         |                  | mg/L |   | 96   | 80 - 120 |     |     |       |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-107355/5

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
|              |                |                |                   |      |   |      |                |     |              |
| Nitrate as N | 10.0           | 10.06          |                   | mg/L |   | 101  | 80 - 120       | 0   | 20           |
| Nitrite as N | 10.0           | 9.655          |                   | mg/L |   | 97   | 80 - 120       | 1   | 20           |

Lab Sample ID: LCSD 860-107355/56

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
|              |                |                |                   |      |   |      |                |     |              |
| Nitrate as N | 10.0           | 10.03          |                   | mg/L |   | 100  | 80 - 120       | 0   | 20           |
| Nitrite as N | 10.0           | 9.651          |                   | mg/L |   | 97   | 80 - 120       | 0   | 20           |

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-107263/1-A

Matrix: Water

Analysis Batch: 107471

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 107263

| Analyte   | MB MB   |           | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|-------|-------------|---|----------------|----------------|---------|
|           | Result  | Qualifier |       |             |   |                |                |         |
| Calcium   | <0.115  | U         | 0.200 | 0.115 mg/L  |   | 06/12/23 10:00 | 06/12/23 17:06 | 1       |
| Magnesium | <0.0428 | U         | 0.200 | 0.0428 mg/L |   | 06/12/23 10:00 | 06/12/23 17:06 | 1       |
| Potassium | <0.0914 | U         | 0.500 | 0.0914 mg/L |   | 06/12/23 10:00 | 06/12/23 17:06 | 1       |
| Sodium    | <0.152  | U         | 0.500 | 0.152 mg/L  |   | 06/12/23 10:00 | 06/12/23 17:06 | 1       |
| SiO2      | <0.471  | U         | 1.07  | 0.471 mg/L  |   | 06/12/23 10:00 | 06/12/23 17:06 | 1       |

Lab Sample ID: LCS 860-107263/2-A

Matrix: Water

Analysis Batch: 107471

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 107263

| Analyte   | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------|----------------|---------------|------------------|------|---|------|----------------|-----|--------------|
|           |                |               |                  |      |   |      |                |     |              |
| Calcium   | 25.0           | 22.90         |                  | mg/L |   | 92   | 85 - 115       |     |              |
| Magnesium | 25.0           | 22.00         |                  | mg/L |   | 88   | 85 - 115       |     |              |
| Potassium | 10.0           | 8.880         |                  | mg/L |   | 89   | 85 - 115       |     |              |
| Sodium    | 25.0           | 22.60         |                  | mg/L |   | 90   | 85 - 115       |     |              |
| SiO2      | 21.4           | 19.88         |                  | mg/L |   | 93   | 85 - 115       |     |              |

Lab Sample ID: LCSD 860-107263/3-A

Matrix: Water

Analysis Batch: 107471

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 107263

| Analyte   | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
|           |                |                |                   |      |   |      |                |     |              |
| Calcium   | 25.0           | 23.90          |                   | mg/L |   | 96   | 85 - 115       | 4   | 20           |
| Magnesium | 25.0           | 23.00          |                   | mg/L |   | 92   | 85 - 115       | 4   | 20           |
| Potassium | 10.0           | 9.240          |                   | mg/L |   | 92   | 85 - 115       | 4   | 20           |
| Sodium    | 25.0           | 23.40          |                   | mg/L |   | 94   | 85 - 115       | 3   | 20           |
| SiO2      | 21.4           | 20.82          |                   | mg/L |   | 97   | 85 - 115       | 5   | 20           |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LLCS 860-107263/4-A

Matrix: Water

Analysis Batch: 107471

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 107263

| Analyte   | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |          |
|-----------|-------------|-------------|----------------|------|---|------|-------------|----------|
|           |             |             |                |      |   |      | 50 - 150    | 50 - 150 |
| Calcium   | 0.200       | 0.1950      | J              | mg/L |   | 98   |             |          |
| Magnesium | 0.200       | 0.1800      | J              | mg/L |   | 90   |             |          |
| Potassium | 0.500       | 0.4710      | J              | mg/L |   | 94   |             |          |
| Sodium    | 0.500       | 0.6340      |                | mg/L |   | 127  |             |          |
| SiO2      | 1.07        | 1.081       |                | mg/L |   | 101  |             |          |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-107794/3

Matrix: Water

Analysis Batch: 107794

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                         | MB MB  |           | RL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
|                                 | Result | Qualifier |      |      |   |          |                |         |
| Alkalinity                      | <4.00  | U         | 4.00 | mg/L |   |          | 06/14/23 11:12 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00  | U         | 4.00 | mg/L |   |          | 06/14/23 11:12 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | mg/L |   |          | 06/14/23 11:12 | 1       |
| Hydroxide Alkalinity            | <4.00  | U         | 4.00 | mg/L |   |          | 06/14/23 11:12 | 1       |
| Phenolphthalein Alkalinity      | <4.00  | U         | 4.00 | mg/L |   |          | 06/14/23 11:12 | 1       |

Lab Sample ID: LCS 860-107794/4

Matrix: Water

Analysis Batch: 107794

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |  |
|------------|-------------|------------|---------------|------|---|------|-------------|--|
|            |             |            |               |      |   |      | 85 - 115    |  |
| Alkalinity | 250         | 255.7      |               | mg/L |   | 102  |             |  |

Lab Sample ID: LCSD 860-107794/5

Matrix: Water

Analysis Batch: 107794

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

|            |  |  | Spike | LCSD   | LCSD      |      |   |      | %Rec     | RPD |       |
|------------|--|--|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte    |  |  | Added | Result | Qualifier | Unit | D | %Rec | Limits   | RPD | Limit |
| Alkalinity |  |  | 250   | 256.5  |           | mg/L |   | 103  | 85 - 115 | 0   | 20    |

## Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-107154/1

Matrix: Water

Analysis Batch: 107154

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                | MB MB  |           | RL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|------|---|----------|----------------|---------|
|                        | Result | Qualifier |      |      |   |          |                |         |
| Total Dissolved Solids | <5.00  | U         | 5.00 | mg/L |   |          | 06/10/23 17:58 | 1       |

Lab Sample ID: LCS 860-107154/2

Matrix: Water

Analysis Batch: 107154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |  |
|------------------------|-------------|------------|---------------|------|---|------|-------------|--|
|                        |             |            |               |      |   |      | 80 - 120    |  |
| Total Dissolved Solids | 1000        | 1005       |               | mg/L |   | 101  |             |  |

Eurofins Midland

QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

|                                  |             |             |                |                                          |   |      |             |     |           |  |  |
|----------------------------------|-------------|-------------|----------------|------------------------------------------|---|------|-------------|-----|-----------|--|--|
| Lab Sample ID: LCSD 860-107154/3 |             |             |                | Client Sample ID: Lab Control Sample Dup |   |      |             |     |           |  |  |
| Matrix: Water                    |             |             |                | Prep Type: Total/NA                      |   |      |             |     |           |  |  |
| Analysis Batch: 107154           |             |             |                |                                          |   |      |             |     |           |  |  |
| Analyte                          | Spike Added | LCSD Result | LCSD Qualifier | Unit                                     | D | %Rec | %Rec Limits | RPD | RPD Limit |  |  |
| Total Dissolved Solids           | 1000        | 1005        |                | mg/L                                     |   | 101  | 80 - 120    | 0   | 10        |  |  |

|                                  |             |             |                |                                      |   |      |             |  |  |  |  |
|----------------------------------|-------------|-------------|----------------|--------------------------------------|---|------|-------------|--|--|--|--|
| Lab Sample ID: LLCS 860-107154/4 |             |             |                | Client Sample ID: Lab Control Sample |   |      |             |  |  |  |  |
| Matrix: Water                    |             |             |                | Prep Type: Total/NA                  |   |      |             |  |  |  |  |
| Analysis Batch: 107154           |             |             |                |                                      |   |      |             |  |  |  |  |
| Analyte                          | Spike Added | LLCS Result | LLCS Qualifier | Unit                                 | D | %Rec | %Rec Limits |  |  |  |  |
| Total Dissolved Solids           | 5.00        | 6.500       |                | mg/L                                 |   | 130  | 50 - 150    |  |  |  |  |

## QC Association Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

## GC/MS VOA

## Analysis Batch: 107490

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-29353-1         | Levey Well             | Total/NA  | Water  | 8260C  |            |
| MB 860-107490/16    | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-107490/1010 | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-107490/11  | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |
| 880-29353-1 MS      | Levey Well             | Total/NA  | Water  | 8260C  |            |

## HPLC/IC

## Analysis Batch: 107354

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29353-1        | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-107354/3    | Method Blank           | Total/NA  | Water  | 300.0  |            |
| MB 860-107354/54   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-107354/4   | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCS 860-107354/55  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-107354/5  | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LCSD 860-107354/56 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-107354/7  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 107355

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29353-1        | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-107355/3    | Method Blank           | Total/NA  | Water  | 300.0  |            |
| MB 860-107355/54   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-107355/4   | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCS 860-107355/55  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-107355/5  | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LCSD 860-107355/56 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Metals

## Prep Batch: 107263

| Lab Sample ID       | Client Sample ID       | Prep Type         | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|--------|------------|
| 880-29353-1         | Levey Well             | Total Recoverable | Water  | 200.7  |            |
| MB 860-107263/1-A   | Method Blank           | Total Recoverable | Water  | 200.7  |            |
| LCS 860-107263/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |
| LCSD 860-107263/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7  |            |
| LLCS 860-107263/4-A | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |

## Analysis Batch: 107471

| Lab Sample ID       | Client Sample ID       | Prep Type         | Matrix | Method        | Prep Batch |
|---------------------|------------------------|-------------------|--------|---------------|------------|
| 880-29353-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 107263     |
| 880-29353-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 107263     |
| MB 860-107263/1-A   | Method Blank           | Total Recoverable | Water  | 200.7 Rev 4.4 | 107263     |
| LCS 860-107263/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 107263     |
| LCSD 860-107263/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7 Rev 4.4 | 107263     |
| LLCS 860-107263/4-A | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 107263     |

Eurofins Midland



QC Association Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

General Chemistry

Analysis Batch: 107154

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-29353-1       | Levey Well             | Total/NA  | Water  | SM 2540C |            |
| MB 860-107154/1   | Method Blank           | Total/NA  | Water  | SM 2540C |            |
| LCS 860-107154/2  | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |
| LCSD 860-107154/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2540C |            |
| LLCS 860-107154/4 | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |

Analysis Batch: 107460

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-29353-1   | Levey Well       | Total/NA  | Water  | SM 1030E |            |

Analysis Batch: 107594

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-29353-1   | Levey Well       | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 107794

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-29353-1       | Levey Well             | Total/NA  | Water  | SM 2320B |            |
| MB 860-107794/3   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-107794/4  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-107794/5 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Lab Chronicle

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

**Client Sample ID: Levey Well**  
**Date Collected: 06/09/23 10:00**  
**Date Received: 06/09/23 15:49**

**Lab Sample ID: 880-29353-1**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method  | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|---------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260C         |     | 1               | 107490       | NA      | EET HOU | 06/13/23 16:01       |
| Total/NA          | Analysis   | 300.0         |     | 1               | 107354       | WP      | EET HOU | 06/13/23 10:43       |
| Total/NA          | Analysis   | 300.0         |     | 1               | 107355       | WP      | EET HOU | 06/13/23 10:43       |
| Total Recoverable | Prep       | 200.7         |     |                 | 107263       | MD      | EET HOU | 06/12/23 10:00       |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 1               | 107471       | JDM     | EET HOU | 06/12/23 18:17       |
| Total Recoverable | Prep       | 200.7         |     |                 | 107263       | MD      | EET HOU | 06/12/23 10:00       |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 50              | 107471       | JDM     | EET HOU | 06/12/23 18:30       |
| Total/NA          | Analysis   | SM 1030E      |     | 1               | 107460       | SC      | EET HOU | 06/13/23 08:37       |
| Total/NA          | Analysis   | SM 2320B      |     | 1               | 107794       | TL      | EET HOU | 06/14/23 14:55       |
| Total/NA          | Analysis   | SM 2540C      |     | 1               | 107154       | HN      | EET HOU | 06/10/23 17:58       |
| Total/NA          | Analysis   | SM 4500 H+ B  |     | 1               | 107594       | TL      | EET HOU | 06/13/23 16:20       |

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-23-50      | 06-30-23        |

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

| Analysis Method | Prep Method | Matrix | Analyte                         |
|-----------------|-------------|--------|---------------------------------|
| SM 1030E        |             | Water  | Anion/Cation Balance            |
| SM 2320B        |             | Water  | Bicarbonate Alkalinity as CaCO3 |
| SM 2320B        |             | Water  | Carbonate Alkalinity as CaCO3   |
| SM 2320B        |             | Water  | Hydroxide Alkalinity            |
| SM 2320B        |             | Water  | Phenolphthalein Alkalinity      |
| SM 4500 H+ B    |             | Water  | Temperature                     |

Method Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

| Method        | Method Description                    | Protocol | Laboratory |
|---------------|---------------------------------------|----------|------------|
| 8260C         | Volatile Organic Compounds by GC/MS   | SW846    | EET HOU    |
| 300.0         | Anions, Ion Chromatography            | EPA      | EET HOU    |
| 200.7 Rev 4.4 | Metals (ICP)                          | EPA      | EET HOU    |
| SM 1030E      | Cation Anion Balance                  | SM       | EET HOU    |
| SM 2320B      | Alkalinity                            | SM       | EET HOU    |
| SM 2540C      | Solids, Total Dissolved (TDS)         | SM       | EET HOU    |
| SM 4500 H+ B  | pH                                    | SM       | EET HOU    |
| 200.7         | Preparation, Total Recoverable Metals | EPA      | EET HOU    |
| 5030C         | Purge and Trap                        | SW846    | EET HOU    |

**Protocol References:**  
EPA = US Environmental Protection Agency  
SM = "Standard Methods For The Examination Of Water And Wastewater"  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29353-1  
SDG: Hobbs NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-29353-1   | Levey Well       | Water  | 06/09/23 10:00 | 06/09/23 15:49 |

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



## Chain of Custody

**Work Order No:**

1955

Houston TX (281) 240-4200 Dallas TX (214) 802-0300 San Antonio TX (210) 509-3334  
Midland TX (432-704-5440) El Paso TX (915)585-3443 Lubbock, TX (806)794-1296  
Phoenix AZ (480-335-0900) Atlanta GA (770-449-6800) Tampa FL (813) 251-3333  
Hobbs NM (575-392-7550)

www.xenco.com Page 1 of 1

|                 |                     |                        |                      |
|-----------------|---------------------|------------------------|----------------------|
| Project Manager | Beaux Jennings      | Bill to (if different) |                      |
| Company Name    | Ensolum LLC         | Company Name           |                      |
| Address         | 601 Merrenfeld #400 | Address                |                      |
| City, State ZIP | Midland TX 79701    | City, State ZIP        |                      |
| Phone           | 432-230-3344        | Email                  | bjenning@ensolum.com |

| Work Order Comments                                                                                                                                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>     |  |
| State of Project:                                                                                                                                                               |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>                                                                         |  |

[illegible][illegible]

| Sample Identification                                                                                                                                          |    | Matrix | Date Sampled | Time Sampled | Depth | Number | VOCs | Anions | Cations | pH | Alkalinity | TDS | Sample Comments |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|--------------|--------------|-------|--------|------|--------|---------|----|------------|-----|-----------------|
| Levey Well                                                                                                                                                     | GW | 6-9-23 | 1000         | -            | 7     | X      | X    | X      | X       | X  | X          | X   | 24hr            |
| <div style="text-align: center;">  <p>880-29353 Chain of Custody</p> </div> |    |        |              |              |       |        |      |        |         |    |            |     |                 |

880-29353 Chain of Custody



**Sample Comments**

|                                                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |    |    |
|-----------------------------------------------------|---------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|----|----|
| <b>Total</b>                                        | <b>200.7 / 6010</b> | <b>200.8 / 6020:</b> | 8RCRA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 13PPM | Texas | 11 | Al | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Tl | Sn | U | V  | Zn |
| <i>Circle Method(s) and Metal(s) to be analyzed</i> |                     |                      | TCLP / SPLP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6010  | 8RCRA |    | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |    |   |    |    |                  |    |    |    |    |   | Hg |    |
|                                                     |                     |                      | <p>Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.</p> |       |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |    |    |

| Relinquished by (Signature)                                                     | Received by (Signature)                                                         | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------|-----------------------------|-------------------------|-----------|
|  |  | 01/12/13  |                             |                         |           |
|                                                                                 |                                                                                 |           |                             |                         |           |
|                                                                                 |                                                                                 |           |                             |                         |           |
|                                                                                 |                                                                                 |           |                             |                         |           |
|                                                                                 |                                                                                 |           |                             |                         |           |



## Eurofins Midland

1211 W Florida Ave  
Midland TX 79701  
Phone: 432-704-5440

## Chain of Custody Record

 eurofins

Environment Test ng

|                                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|---------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Client Information (Sub Contract Lab)</b>                                                                  |  |  |  | Carrier Tracking No(s): <span style="border: 1px solid black; padding: 2px;">880-7183-1</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Client Contact: <span style="border: 1px solid black; padding: 2px;">Shipping/Receiving</span>                |  |  |  | State of Origin: <span style="border: 1px solid black; padding: 2px;">New Mexico</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Company: <span style="border: 1px solid black; padding: 2px;">Eurofins Environment Testing South Centr</span> |  |  |  | Page: <span style="border: 1px solid black; padding: 2px;">Page 1 of 1</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| Address: <span style="border: 1px solid black; padding: 2px;">145 Greenbriar Dr</span>                        |  |  |  | Job #: <span style="border: 1px solid black; padding: 2px;">880-29353-1</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| City: <span style="border: 1px solid black; padding: 2px;">Stefford</span>                                    |  |  |  | Preservation Codes: <div style="display: flex; flex-wrap: wrap; font-size: 0.8em;"> <div style="width: 33%;">A HCL</div> <div style="width: 33%;">M Hexane</div> <div style="width: 33%;">B NaOH</div> <div style="width: 33%;">N None</div> <div style="width: 33%;">C Zn Acetate</div> <div style="width: 33%;">O AsNaO2</div> <div style="width: 33%;">D Nitric Acid</div> <div style="width: 33%;">P Na2O4S</div> <div style="width: 33%;">E NaHSO4</div> <div style="width: 33%;">R Na2SO3</div> <div style="width: 33%;">F MeOH</div> <div style="width: 33%;">S H2SO4</div> <div style="width: 33%;">H Anchlor</div> <div style="width: 33%;">T TSP Dodecalhydrate</div> <div style="width: 33%;">I Ice</div> <div style="width: 33%;">U Acetone</div> <div style="width: 33%;">J DI Water</div> <div style="width: 33%;">V MCAA</div> <div style="width: 33%;">K EDTA</div> <div style="width: 33%;">W pH 4-5</div> <div style="width: 33%;">L EDA</div> <div style="width: 33%;">Y Trizma</div> <div style="width: 33%;">Z other (specify)</div> <div style="width: 33%;">Other</div> </div> |  |
| Project Name: <span style="border: 1px solid black; padding: 2px;">Levey Well Hobbs, NM 0381417001</span>     |  |  |  | Special Instructions/Note:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Site: <span style="border: 1px solid black; padding: 2px;">Levey Well (880-29353-1)</span>                    |  |  |  | Total Number of Containers: <span style="border: 1px solid black; padding: 2px;">7</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Due Date Requested: <span style="border: 1px solid black; padding: 2px;">6/13/2023</span>                     |  |  |  | Analysis Requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| TAT Requested (days): <span style="border: 1px solid black; padding: 2px;">10</span>                          |  |  |  | Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| PG #: <span style="border: 1px solid black; padding: 2px;">88000024</span>                                    |  |  |  | Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| WO #: <span style="border: 1px solid black; padding: 2px;">SSGW#:</span>                                      |  |  |  | 200 T/200 T, P TR (MOD) Custom Lat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Sample Date: <span style="border: 1px solid black; padding: 2px;">6/9/23</span>                               |  |  |  | 300 GR/GFM, 280/ Br Cl, F, SO4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Sample Time: <span style="border: 1px solid black; padding: 2px;">10:00</span>                                |  |  |  | 300 GR/GFM, 280/ Br Cl, F, SO4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Sample Type (C=Comp, G=grab): <span style="border: 1px solid black; padding: 2px;">Water</span>               |  |  |  | 2540C, Coloid TDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Matrix (Hexane, Seawater, or Tissue Acid)                                                                     |  |  |  | 2320B Alkalinity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Sample Date: <span style="border: 1px solid black; padding: 2px;">6/9/23</span>                               |  |  |  | 220B Alkalinity (MOD) Copy Analyte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Sample Time: <span style="border: 1px solid black; padding: 2px;">10:00</span>                                |  |  |  | 220B Alkalinity (MOD) Copy Analyte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Sample Type (C=Comp, G=grab): <span style="border: 1px solid black; padding: 2px;">Water</span>               |  |  |  | 220B Alkalinity (MOD) Copy Analyte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Matrix (Hexane, Seawater, or Tissue Acid)                                                                     |  |  |  | 220B Alkalinity (MOD) Copy Analyte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |

**Possible Hazard Identification**

Unconfirmed

Deliverable Requested: 1 If III IV Other (specify)

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For \_\_\_\_\_ Months

Special Instructions/QC Requirements.

**Empty Kit Relinquished by**

Relinquished by: FedEX

Relinquished by: FedEX

Relinquished by: FedEX

Relinquished by: FedEX

**Client Information (Sub Contract Lab)**

Client Contact: Shipping/Receiving

Company: Eurofins Environment Testing South Centr

Address: 145 Greenbriar Dr

City: Stefford

State, Zip: TX, 77477

Phone: 281-240-4200(Tel)

Email: 281-240-4200(Tel)

Project Name: Levey Well Hobbs, NM 0381417001

Site: Levey Well (880-29353-1)

**Client Information (Sub Contract Lab)**

Client Contact: Shipping/Receiving

Company: Eurofins Environment Testing South Centr

Address: 145 Greenbriar Dr

City: Stefford

State, Zip: TX, 77477

Phone: 281-240-4200(Tel)

Email: 281-240-4200(Tel)

Project Name: Levey Well Hobbs, NM 0381417001

Site: Levey Well (880-29353-1)

**Client Information (Sub Contract Lab)**

Client Contact: Shipping/Receiving

Company: Eurofins Environment Testing South Centr

Address: 145 Greenbriar Dr

City: Stefford

State, Zip: TX, 77477

Phone: 281-240-4200(Tel)

Email: 281-240-4200(Tel)

Project Name: Levey Well Hobbs, NM 0381417001

Site: Levey Well (880-29353-1)

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29353-1

SDG Number: Hobbs NM

Login Number: 29353

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29353-1

SDG Number: Hobbs NM

Login Number: 29353

List Number: 2

Creator: Pena, Jesiel

List Source: Eurofins Houston

List Creation: 06/10/23 02:58 PM

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



Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Beaux Jennings  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 6/21/2023 9:18:43 AM

## JOB DESCRIPTION

Levey Well Hobbs, NM - 03B1417001  
SDG NUMBER Hobbs NM

## JOB NUMBER

880-29606-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
6/21/2023 9:18:43 AM

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

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Laboratory Job ID: 880-29606-1  
SDG: Hobbs NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| Surrogate Summary . . . . .      | 8  |
| QC Sample Results . . . . .      | 9  |
| QC Association Summary . . . . . | 17 |
| Lab Chronicle . . . . .          | 19 |
| Certification Summary . . . . .  | 20 |
| Method Summary . . . . .         | 21 |
| Sample Summary . . . . .         | 22 |
| Chain of Custody . . . . .       | 23 |
| Receipt Checklists . . . . .     | 24 |

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



Definitions/Glossary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Metals

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| U         | Indicates the analyte was analyzed for but not detected.                                                                                                  |

General Chemistry

| Qualifier | Qualifier Description                                                                                |
|-----------|------------------------------------------------------------------------------------------------------|
| HF        | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| U         | Indicates the analyte was analyzed for but not detected.                                             |

Glossary

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

## Case Narrative

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

**Job ID: 880-29606-1**

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative  
880-29606-1**

**Receipt**

The sample was received on 6/15/2023 3:22 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.6°C

**GC/MS VOA**

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 860-108371 were outside control limits: (880-29607-C-1 MS). The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-108212 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recovery was within acceptance limits.

Method 300\_ORGFM\_28D: The instrument blank/CCB for analytical batch 860-108212 contained Fluoride greater than the method detection limit (MDL), and were not reanalyzed because this target analyte concentration was less than the reporting limit (RL). The data have been qualified and reported.

Method 300\_ORGFM\_28D: The instrument blank/CCB for analytical batch 860-108212 contained Chloride greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been qualified and reported.

Method 300\_ORGFMS: The instrument blank/CCB for analytical batch 860-108213 contained Nitrite as N greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been qualified and reported.

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

**Metals**

Method 200.7: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-108301 and analytical batch 860-108536 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 200.7: The following sample was diluted to bring the concentration of target analytes within the calibration range: Levey Well (880-29606-1). Elevated reporting limits (RLs) are provided.

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

**General Chemistry**

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

## Client Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-29606-1

Date Collected: 06/15/23 10:50

Matrix: Water

Date Received: 06/15/23 15:22

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                       | Result         | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|----------------|-----------|---------|---------------|---|----------|----------------|---------|
| <b>Benzene</b>                | <b>0.00219</b> |           | 0.00100 | 0.000460 mg/L |   |          | 06/18/23 20:24 | 1       |
| Bromobenzene                  | <0.000665 U    |           | 0.00100 | 0.000665 mg/L |   |          | 06/18/23 20:24 | 1       |
| Bromochloromethane            | <0.000657 U    |           | 0.00100 | 0.000657 mg/L |   |          | 06/18/23 20:24 | 1       |
| Bromodichloromethane          | <0.000552 U    |           | 0.00100 | 0.000552 mg/L |   |          | 06/18/23 20:24 | 1       |
| Bromoform                     | <0.000633 U    |           | 0.00500 | 0.000633 mg/L |   |          | 06/18/23 20:24 | 1       |
| Bromomethane                  | <0.00142 U     |           | 0.00500 | 0.00142 mg/L  |   |          | 06/18/23 20:24 | 1       |
| 2-Butanone                    | <0.00828 U     |           | 0.0500  | 0.00828 mg/L  |   |          | 06/18/23 20:24 | 1       |
| Carbon tetrachloride          | <0.000896 U    |           | 0.00500 | 0.000896 mg/L |   |          | 06/18/23 20:24 | 1       |
| Chlorobenzene                 | <0.000530 U    |           | 0.00100 | 0.000530 mg/L |   |          | 06/18/23 20:24 | 1       |
| Chloroethane                  | <0.00198 U     |           | 0.0100  | 0.00198 mg/L  |   |          | 06/18/23 20:24 | 1       |
| Chloroform                    | <0.000643 U    |           | 0.00100 | 0.000643 mg/L |   |          | 06/18/23 20:24 | 1       |
| Chloromethane                 | <0.00204 U     |           | 0.0100  | 0.00204 mg/L  |   |          | 06/18/23 20:24 | 1       |
| 2-Chlorotoluene               | <0.00118 U     |           | 0.00200 | 0.00118 mg/L  |   |          | 06/18/23 20:24 | 1       |
| 4-Chlorotoluene               | <0.000472 U    |           | 0.00100 | 0.000472 mg/L |   |          | 06/18/23 20:24 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 U    |           | 0.00100 | 0.000714 mg/L |   |          | 06/18/23 20:24 | 1       |
| cis-1,3-Dichloropropene       | <0.00107 U     |           | 0.00500 | 0.00107 mg/L  |   |          | 06/18/23 20:24 | 1       |
| Dibromochloromethane          | <0.000547 U    |           | 0.00500 | 0.000547 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127 U     |           | 0.00500 | 0.00127 mg/L  |   |          | 06/18/23 20:24 | 1       |
| 1,2-Dibromoethane             | <0.000999 U    |           | 0.00500 | 0.000999 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 U    |           | 0.00100 | 0.000509 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 U    |           | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 U    |           | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 20:24 | 1       |
| Dichlorodifluoromethane       | <0.000919 U    |           | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,1-Dichloroethane            | <0.000635 U    |           | 0.00100 | 0.000635 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,2-Dichloroethane            | <0.000590 U    |           | 0.00100 | 0.000590 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,1-Dichloroethene            | <0.000738 U    |           | 0.00100 | 0.000738 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,2-Dichloropropane           | <0.000667 U    |           | 0.00500 | 0.000667 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,3-Dichloropropane           | <0.000514 U    |           | 0.00500 | 0.000514 mg/L |   |          | 06/18/23 20:24 | 1       |
| 2,2-Dichloropropane           | <0.000780 U    |           | 0.00500 | 0.000780 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,1-Dichloropropene           | <0.00160 U     |           | 0.00500 | 0.00160 mg/L  |   |          | 06/18/23 20:24 | 1       |
| <b>Ethylbenzene</b>           | <b>0.00761</b> |           | 0.00100 | 0.000411 mg/L |   |          | 06/18/23 20:24 | 1       |
| Hexachlorobutadiene           | <0.00126 U     |           | 0.00500 | 0.00126 mg/L  |   |          | 06/18/23 20:24 | 1       |
| <b>Isopropylbenzene</b>       | <b>0.00398</b> |           | 0.00100 | 0.000613 mg/L |   |          | 06/18/23 20:24 | 1       |
| Methylene Chloride            | <0.00173 U     |           | 0.00500 | 0.00173 mg/L  |   |          | 06/18/23 20:24 | 1       |
| <b>m,p-Xylenes</b>            | <b>0.0292</b>  |           | 0.0100  | 0.00124 mg/L  |   |          | 06/18/23 20:24 | 1       |
| MTBE                          | <0.00139 U     |           | 0.00500 | 0.00139 mg/L  |   |          | 06/18/23 20:24 | 1       |
| Naphthalene                   | <0.00135 U     |           | 0.0100  | 0.00135 mg/L  |   |          | 06/18/23 20:24 | 1       |
| n-Butylbenzene                | <0.000644 U    |           | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 20:24 | 1       |
| <b>N-Propylbenzene</b>        | <b>0.00175</b> |           | 0.00100 | 0.000498 mg/L |   |          | 06/18/23 20:24 | 1       |
| <b>o-Xylene</b>               | <b>0.00487</b> |           | 0.00100 | 0.000551 mg/L |   |          | 06/18/23 20:24 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 U    |           | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 20:24 | 1       |
| sec-Butylbenzene              | <0.000468 U    |           | 0.00100 | 0.000468 mg/L |   |          | 06/18/23 20:24 | 1       |
| Styrene                       | <0.000655 U    |           | 0.00100 | 0.000655 mg/L |   |          | 06/18/23 20:24 | 1       |
| tert-Butylbenzene             | <0.000442 U    |           | 0.00100 | 0.000442 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 U    |           | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 U    |           | 0.00100 | 0.000470 mg/L |   |          | 06/18/23 20:24 | 1       |
| Tetrachloroethene             | <0.000801 U    |           | 0.00100 | 0.000801 mg/L |   |          | 06/18/23 20:24 | 1       |
| <b>Toluene</b>                | <b>0.0154</b>  |           | 0.00100 | 0.000475 mg/L |   |          | 06/18/23 20:24 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 U    |           | 0.00100 | 0.000945 mg/L |   |          | 06/18/23 20:24 | 1       |

Eurofins Midland

Client Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

Client Sample ID: Levey Well      Lab Sample ID: 880-29606-1  
Date Collected: 06/15/23 10:50      Matrix: Water  
Date Received: 06/15/23 15:22

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                      | Result    | Qualifier | RL       | Unit          | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene    | <0.00127  | U         | 0.00500  | 0.00127 mg/L  |   |          | 06/18/23 20:24 | 1       |
| 1,2,3-Trichlorobenzene       | <0.00217  | U         | 0.00500  | 0.00217 mg/L  |   |          | 06/18/23 20:24 | 1       |
| 1,2,4-Trichlorobenzene       | <0.00175  | U         | 0.00500  | 0.00175 mg/L  |   |          | 06/18/23 20:24 | 1       |
| 1,1,1-Trichloroethane        | <0.00169  | U         | 0.00500  | 0.00169 mg/L  |   |          | 06/18/23 20:24 | 1       |
| 1,1,2-Trichloroethane        | <0.000511 | U         | 0.00100  | 0.000511 mg/L |   |          | 06/18/23 20:24 | 1       |
| Trichloroethene              | <0.000791 | U         | 0.00500  | 0.000791 mg/L |   |          | 06/18/23 20:24 | 1       |
| Trichlorofluoromethane       | <0.000638 | U         | 0.00100  | 0.000638 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,2,3-Trichloropropane       | <0.000490 | U         | 0.00100  | 0.000490 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,2,4-Trimethylbenzene       | 0.00744   |           | 0.00100  | 0.000417 mg/L |   |          | 06/18/23 20:24 | 1       |
| 1,3,5-Trimethylbenzene       | 0.00229   |           | 0.00100  | 0.000456 mg/L |   |          | 06/18/23 20:24 | 1       |
| Vinyl chloride               | <0.000638 | U         | 0.00200  | 0.000638 mg/L |   |          | 06/18/23 20:24 | 1       |
| Xylenes, Total               | 0.0341    |           | 0.0100   | 0.00124 mg/L  |   |          | 06/18/23 20:24 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |               |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 104       |           | 74 - 124 |               |   |          | 06/18/23 20:24 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 75 - 131 |               |   |          | 06/18/23 20:24 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 63 - 144 |               |   |          | 06/18/23 20:24 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |               |   |          | 06/18/23 20:24 | 1       |

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|-------------|---|----------|----------------|---------|
| Bromide      | 0.372  | J         | 0.500 | 0.0711 mg/L |   |          | 06/17/23 01:16 | 1       |
| Nitrate as N | 0.139  |           | 0.100 | 0.0391 mg/L |   |          | 06/17/23 01:16 | 1       |
| Chloride     | 230    |           | 0.500 | 0.250 mg/L  |   |          | 06/17/23 01:16 | 1       |
| Nitrite as N | 0.348  |           | 0.100 | 0.0293 mg/L |   |          | 06/17/23 01:16 | 1       |
| Fluoride     | 0.474  | J         | 0.500 | 0.100 mg/L  |   |          | 06/17/23 01:16 | 1       |
| Sulfate      | 49.7   |           | 0.500 | 0.200 mg/L  |   |          | 06/17/23 01:16 | 1       |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte   | Result | Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | 255    |           | 10.0  | 5.76 mg/L   |   | 06/17/23 11:30 | 06/19/23 13:00 | 50      |
| Magnesium | 49.6   |           | 0.200 | 0.0428 mg/L |   | 06/17/23 11:30 | 06/19/23 12:47 | 1       |
| Potassium | 3.91   |           | 0.500 | 0.0914 mg/L |   | 06/17/23 11:30 | 06/19/23 12:47 | 1       |
| Sodium    | 81.1   |           | 0.500 | 0.152 mg/L  |   | 06/17/23 11:30 | 06/19/23 12:47 | 1       |
| SiO2      | 66.1   |           | 1.07  | 0.471 mg/L  |   | 06/17/23 11:30 | 06/19/23 12:47 | 1       |

General Chemistry

| Analyte                                    | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Anion/Cation Balance (SM 1030E)            | -6.66  |           |      | %         |   |          | 06/19/23 08:37 | 1       |
| Alkalinity (SM 2320B)                      | 679    |           | 4.00 | 4.00 mg/L |   |          | 06/19/23 15:13 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 679    |           | 4.00 | 4.00 mg/L |   |          | 06/19/23 15:13 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/19/23 15:13 | 1       |
| Hydroxide Alkalinity (SM 2320B)            | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/19/23 15:13 | 1       |
| Phenolphthalein Alkalinity (SM 2320B)      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/19/23 15:13 | 1       |
| Total Dissolved Solids (SM 2540C)          | 1380   |           | 10.0 | 10.0 mg/L |   |          | 06/17/23 15:49 | 1       |
| pH (SM 4500 H+ B)                          | 6.5    | HF        |      | SU        |   |          | 06/19/23 16:04 | 1       |
| Temperature (SM 4500 H+ B)                 | 20.7   | HF        |      | Degrees C |   |          | 06/19/23 16:04 | 1       |

Eurofins Midland

Surrogate Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

Method: 8260C - Volatile Organic Compounds by GC/MS  
Matrix: Water

Prep Type: Total/NA

|                                    |                        | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |                 |
|------------------------------------|------------------------|------------------------------------------------|------------------|-----------------|-----------------|
| Lab Sample ID                      | Client Sample ID       | BFB<br>(74-124)                                | DBFM<br>(75-131) | DCA<br>(63-144) | TOL<br>(80-120) |
| 880-29606-1                        | Levey Well             | 104                                            | 99               | 98              | 104             |
| LCS 860-108371/1011                | Lab Control Sample     | 100                                            | 101              | 98              | 99              |
| LCSD 860-108371/12                 | Lab Control Sample Dup | 101                                            | 100              | 99              | 99              |
| MB 860-108371/17                   | Method Blank           | 102                                            | 97               | 99              | 104             |
| Surrogate Legend                   |                        |                                                |                  |                 |                 |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |                                                |                  |                 |                 |
| DBFM = Dibromofluoromethane (Surr) |                        |                                                |                  |                 |                 |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |                                                |                  |                 |                 |
| TOL = Toluene-d8 (Surr)            |                        |                                                |                  |                 |                 |

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-108371/17

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U            | 0.00100 | 0.000460 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromobenzene                  | <0.000665 | U            | 0.00100 | 0.000665 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromochloromethane            | <0.000657 | U            | 0.00100 | 0.000657 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromodichloromethane          | <0.000552 | U            | 0.00100 | 0.000552 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromoform                     | <0.000633 | U            | 0.00500 | 0.000633 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromomethane                  | <0.00142  | U            | 0.00500 | 0.00142 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 2-Butanone                    | <0.00828  | U            | 0.0500  | 0.00828 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Carbon tetrachloride          | <0.000896 | U            | 0.00500 | 0.000896 mg/L |   |          | 06/18/23 19:01 | 1       |
| Chlorobenzene                 | <0.000530 | U            | 0.00100 | 0.000530 mg/L |   |          | 06/18/23 19:01 | 1       |
| Chloroethane                  | <0.00198  | U            | 0.0100  | 0.00198 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Chloroform                    | <0.000643 | U            | 0.00100 | 0.000643 mg/L |   |          | 06/18/23 19:01 | 1       |
| Chloromethane                 | <0.00204  | U            | 0.0100  | 0.00204 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 2-Chlorotoluene               | <0.00118  | U            | 0.00200 | 0.00118 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 4-Chlorotoluene               | <0.000472 | U            | 0.00100 | 0.000472 mg/L |   |          | 06/18/23 19:01 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U            | 0.00100 | 0.000714 mg/L |   |          | 06/18/23 19:01 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U            | 0.00500 | 0.00107 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Dibromochloromethane          | <0.000547 | U            | 0.00500 | 0.000547 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U            | 0.00500 | 0.000999 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U            | 0.00100 | 0.000509 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 19:01 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U            | 0.00100 | 0.000635 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U            | 0.00100 | 0.000590 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U            | 0.00100 | 0.000738 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U            | 0.00500 | 0.000667 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U            | 0.00500 | 0.000514 mg/L |   |          | 06/18/23 19:01 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U            | 0.00500 | 0.000780 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U            | 0.00500 | 0.00160 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Ethylbenzene                  | <0.000411 | U            | 0.00100 | 0.000411 mg/L |   |          | 06/18/23 19:01 | 1       |
| Hexachlorobutadiene           | <0.00126  | U            | 0.00500 | 0.00126 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Isopropylbenzene              | <0.000613 | U            | 0.00100 | 0.000613 mg/L |   |          | 06/18/23 19:01 | 1       |
| Methylene Chloride            | <0.00173  | U            | 0.00500 | 0.00173 mg/L  |   |          | 06/18/23 19:01 | 1       |
| m,p-Xylenes                   | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/18/23 19:01 | 1       |
| MTBE                          | <0.00139  | U            | 0.00500 | 0.00139 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Naphthalene                   | <0.00135  | U            | 0.0100  | 0.00135 mg/L  |   |          | 06/18/23 19:01 | 1       |
| n-Butylbenzene                | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 19:01 | 1       |
| N-Propylbenzene               | <0.000498 | U            | 0.00100 | 0.000498 mg/L |   |          | 06/18/23 19:01 | 1       |
| o-Xylene                      | <0.000551 | U            | 0.00100 | 0.000551 mg/L |   |          | 06/18/23 19:01 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 19:01 | 1       |
| sec-Butylbenzene              | <0.000468 | U            | 0.00100 | 0.000468 mg/L |   |          | 06/18/23 19:01 | 1       |
| Styrene                       | <0.000655 | U            | 0.00100 | 0.000655 mg/L |   |          | 06/18/23 19:01 | 1       |
| tert-Butylbenzene             | <0.000442 | U            | 0.00100 | 0.000442 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U            | 0.00100 | 0.000470 mg/L |   |          | 06/18/23 19:01 | 1       |
| Tetrachloroethene             | <0.000801 | U            | 0.00100 | 0.000801 mg/L |   |          | 06/18/23 19:01 | 1       |
| Toluene                       | <0.000475 | U            | 0.00100 | 0.000475 mg/L |   |          | 06/18/23 19:01 | 1       |

Eurofins Midland



## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-108371/17

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.000945 | U            | 0.00100 | 0.000945 mg/L |   |          | 06/18/23 19:01 | 1       |
| trans-1,3-Dichloropropene | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U            | 0.00500 | 0.00217 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U            | 0.00500 | 0.00175 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U            | 0.00500 | 0.00169 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U            | 0.00100 | 0.000511 mg/L |   |          | 06/18/23 19:01 | 1       |
| Trichloroethene           | <0.000791 | U            | 0.00500 | 0.000791 mg/L |   |          | 06/18/23 19:01 | 1       |
| Trichlorofluoromethane    | <0.000638 | U            | 0.00100 | 0.000638 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U            | 0.00100 | 0.000490 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U            | 0.00100 | 0.000417 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U            | 0.00100 | 0.000456 mg/L |   |          | 06/18/23 19:01 | 1       |
| Vinyl chloride            | <0.000638 | U            | 0.00200 | 0.000638 mg/L |   |          | 06/18/23 19:01 | 1       |
| Xylenes, Total            | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/18/23 19:01 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 102          |              | 74 - 124 |          | 06/18/23 19:01 | 1       |
| Dibromofluoromethane (Surr)  | 97           |              | 75 - 131 |          | 06/18/23 19:01 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 63 - 144 |          | 06/18/23 19:01 | 1       |
| Toluene-d8 (Surr)            | 104          |              | 80 - 120 |          | 06/18/23 19:01 | 1       |

Lab Sample ID: LCS 860-108371/1011

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene                     | 0.0500      | 0.05007    |               | mg/L |   | 100  | 75 - 125    |
| Bromobenzene                | 0.0500      | 0.05171    |               | mg/L |   | 103  | 75 - 125    |
| Bromochloromethane          | 0.0500      | 0.05108    |               | mg/L |   | 102  | 60 - 140    |
| Bromodichloromethane        | 0.0500      | 0.05091    |               | mg/L |   | 102  | 75 - 125    |
| Bromoform                   | 0.0500      | 0.05467    |               | mg/L |   | 109  | 70 - 130    |
| Bromomethane                | 0.0500      | 0.04726    |               | mg/L |   | 95   | 60 - 140    |
| 2-Butanone                  | 0.250       | 0.2491     |               | mg/L |   | 100  | 60 - 140    |
| Carbon tetrachloride        | 0.0500      | 0.04893    |               | mg/L |   | 98   | 70 - 130    |
| Chlorobenzene               | 0.0500      | 0.05050    |               | mg/L |   | 101  | 65 - 135    |
| Chloroethane                | 0.0500      | 0.05085    |               | mg/L |   | 102  | 60 - 140    |
| Chloroform                  | 0.0500      | 0.05165    |               | mg/L |   | 103  | 70 - 121    |
| Chloromethane               | 0.0500      | 0.05134    |               | mg/L |   | 103  | 60 - 140    |
| 2-Chlorotoluene             | 0.0500      | 0.05022    |               | mg/L |   | 100  | 73 - 125    |
| 4-Chlorotoluene             | 0.0500      | 0.05147    |               | mg/L |   | 103  | 74 - 125    |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05062    |               | mg/L |   | 101  | 75 - 125    |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05170    |               | mg/L |   | 103  | 74 - 125    |
| Dibromochloromethane        | 0.0500      | 0.05237    |               | mg/L |   | 105  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05277    |               | mg/L |   | 106  | 59 - 125    |
| 1,2-Dibromoethane           | 0.0500      | 0.05116    |               | mg/L |   | 102  | 73 - 125    |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05072    |               | mg/L |   | 101  | 75 - 125    |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05149    |               | mg/L |   | 103  | 75 - 125    |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05002    |               | mg/L |   | 100  | 75 - 125    |
| Dichlorodifluoromethane     | 0.0500      | 0.04770    |               | mg/L |   | 95   | 50 - 150    |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-108371/1011

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1-Dichloroethane            | 0.0500      | 0.05017    |               | mg/L |   | 100  | 70 - 130    |
| 1,2-Dichloroethane            | 0.0500      | 0.05042    |               | mg/L |   | 101  | 72 - 130    |
| 1,1-Dichloroethene            | 0.0500      | 0.05027    |               | mg/L |   | 101  | 50 - 150    |
| 1,2-Dichloropropane           | 0.0500      | 0.04989    |               | mg/L |   | 100  | 74 - 125    |
| 1,3-Dichloropropane           | 0.0500      | 0.05072    |               | mg/L |   | 101  | 75 - 125    |
| 2,2-Dichloropropane           | 0.0500      | 0.04877    |               | mg/L |   | 98   | 75 - 125    |
| 1,1-Dichloropropene           | 0.0500      | 0.04985    |               | mg/L |   | 100  | 75 - 125    |
| Ethylbenzene                  | 0.0500      | 0.05067    |               | mg/L |   | 101  | 75 - 125    |
| Hexachlorobutadiene           | 0.0500      | 0.05040    |               | mg/L |   | 101  | 75 - 125    |
| Isopropylbenzene              | 0.0500      | 0.05827    |               | mg/L |   | 117  | 75 - 125    |
| Methylene Chloride            | 0.0500      | 0.05185    |               | mg/L |   | 104  | 71 - 125    |
| m,p-Xylenes                   | 0.0500      | 0.05060    |               | mg/L |   | 101  | 75 - 125    |
| MTBE                          | 0.0500      | 0.05183    |               | mg/L |   | 104  | 65 - 135    |
| Naphthalene                   | 0.0500      | 0.05332    |               | mg/L |   | 107  | 70 - 130    |
| n-Butylbenzene                | 0.0500      | 0.05078    |               | mg/L |   | 102  | 75 - 125    |
| N-Propylbenzene               | 0.0500      | 0.05129    |               | mg/L |   | 103  | 75 - 125    |
| o-Xylene                      | 0.0500      | 0.05148    |               | mg/L |   | 103  | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05161    |               | mg/L |   | 103  | 75 - 125    |
| sec-Butylbenzene              | 0.0500      | 0.05069    |               | mg/L |   | 101  | 75 - 125    |
| Styrene                       | 0.0500      | 0.05239    |               | mg/L |   | 105  | 75 - 125    |
| tert-Butylbenzene             | 0.0500      | 0.05136    |               | mg/L |   | 103  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05233    |               | mg/L |   | 105  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05153    |               | mg/L |   | 103  | 74 - 125    |
| Tetrachloroethene             | 0.0500      | 0.04916    |               | mg/L |   | 98   | 71 - 125    |
| Toluene                       | 0.0500      | 0.05040    |               | mg/L |   | 101  | 70 - 130    |
| trans-1,2-Dichloroethene      | 0.0500      | 0.05046    |               | mg/L |   | 101  | 75 - 125    |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05156    |               | mg/L |   | 103  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05195    |               | mg/L |   | 104  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.05262    |               | mg/L |   | 105  | 75 - 135    |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05096    |               | mg/L |   | 102  | 70 - 130    |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05069    |               | mg/L |   | 101  | 70 - 130    |
| Trichloroethene               | 0.0500      | 0.05127    |               | mg/L |   | 103  | 75 - 135    |
| Trichlorofluoromethane        | 0.0500      | 0.05074    |               | mg/L |   | 101  | 60 - 140    |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05253    |               | mg/L |   | 105  | 75 - 125    |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05135    |               | mg/L |   | 103  | 75 - 125    |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05147    |               | mg/L |   | 103  | 60 - 140    |
| Vinyl chloride                | 0.0500      | 0.05034    |               | mg/L |   | 101  | 60 - 140    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 101           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 98            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 99            |               | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-108371/12

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
|                               |             |             |                |      |   |      |             |     |           |
| Benzene                       | 0.0500      | 0.04549     |                | mg/L |   | 91   | 75 - 125    | 10  | 25        |
| Bromobenzene                  | 0.0500      | 0.04821     |                | mg/L |   | 96   | 75 - 125    | 7   | 25        |
| Bromochloromethane            | 0.0500      | 0.04650     |                | mg/L |   | 93   | 60 - 140    | 9   | 25        |
| Bromodichloromethane          | 0.0500      | 0.04666     |                | mg/L |   | 93   | 75 - 125    | 9   | 25        |
| Bromoform                     | 0.0500      | 0.05098     |                | mg/L |   | 102  | 70 - 130    | 7   | 25        |
| Bromomethane                  | 0.0500      | 0.04323     |                | mg/L |   | 86   | 60 - 140    | 9   | 25        |
| 2-Butanone                    | 0.250       | 0.2305      |                | mg/L |   | 92   | 60 - 140    | 8   | 25        |
| Carbon tetrachloride          | 0.0500      | 0.04555     |                | mg/L |   | 91   | 70 - 130    | 7   | 25        |
| Chlorobenzene                 | 0.0500      | 0.04540     |                | mg/L |   | 91   | 65 - 135    | 11  | 25        |
| Chloroethane                  | 0.0500      | 0.05480     |                | mg/L |   | 110  | 60 - 140    | 7   | 25        |
| Chloroform                    | 0.0500      | 0.04628     |                | mg/L |   | 93   | 70 - 121    | 11  | 25        |
| Chloromethane                 | 0.0500      | 0.04575     |                | mg/L |   | 92   | 60 - 140    | 12  | 25        |
| 2-Chlorotoluene               | 0.0500      | 0.04582     |                | mg/L |   | 92   | 73 - 125    | 9   | 25        |
| 4-Chlorotoluene               | 0.0500      | 0.04708     |                | mg/L |   | 94   | 74 - 125    | 9   | 25        |
| cis-1,2-Dichloroethene        | 0.0500      | 0.04573     |                | mg/L |   | 91   | 75 - 125    | 10  | 25        |
| cis-1,3-Dichloropropene       | 0.0500      | 0.04736     |                | mg/L |   | 95   | 74 - 125    | 9   | 25        |
| Dibromochloromethane          | 0.0500      | 0.04718     |                | mg/L |   | 94   | 73 - 125    | 10  | 25        |
| 1,2-Dibromo-3-Chloropropane   | 0.0500      | 0.05154     |                | mg/L |   | 103  | 59 - 125    | 2   | 25        |
| 1,2-Dibromoethane             | 0.0500      | 0.04675     |                | mg/L |   | 94   | 73 - 125    | 9   | 25        |
| 1,2-Dichlorobenzene           | 0.0500      | 0.04712     |                | mg/L |   | 94   | 75 - 125    | 7   | 25        |
| 1,3-Dichlorobenzene           | 0.0500      | 0.04781     |                | mg/L |   | 96   | 75 - 125    | 7   | 25        |
| 1,4-Dichlorobenzene           | 0.0500      | 0.04630     |                | mg/L |   | 93   | 75 - 125    | 8   | 25        |
| Dichlorodifluoromethane       | 0.0500      | 0.04337     |                | mg/L |   | 87   | 50 - 150    | 10  | 25        |
| 1,1-Dichloroethane            | 0.0500      | 0.04647     |                | mg/L |   | 93   | 70 - 130    | 8   | 25        |
| 1,2-Dichloroethane            | 0.0500      | 0.04691     |                | mg/L |   | 94   | 72 - 130    | 7   | 25        |
| 1,1-Dichloroethene            | 0.0500      | 0.04519     |                | mg/L |   | 90   | 50 - 150    | 11  | 25        |
| 1,2-Dichloropropane           | 0.0500      | 0.04548     |                | mg/L |   | 91   | 74 - 125    | 9   | 25        |
| 1,3-Dichloropropane           | 0.0500      | 0.04651     |                | mg/L |   | 93   | 75 - 125    | 9   | 25        |
| 2,2-Dichloropropane           | 0.0500      | 0.04291     |                | mg/L |   | 86   | 75 - 125    | 13  | 25        |
| 1,1-Dichloropropene           | 0.0500      | 0.04492     |                | mg/L |   | 90   | 75 - 125    | 10  | 25        |
| Ethylbenzene                  | 0.0500      | 0.04618     |                | mg/L |   | 92   | 75 - 125    | 9   | 25        |
| Hexachlorobutadiene           | 0.0500      | 0.04836     |                | mg/L |   | 97   | 75 - 125    | 4   | 25        |
| Isopropylbenzene              | 0.0500      | 0.05155     |                | mg/L |   | 103  | 75 - 125    | 12  | 25        |
| Methylene Chloride            | 0.0500      | 0.04675     |                | mg/L |   | 93   | 71 - 125    | 10  | 25        |
| m,p-Xylenes                   | 0.0500      | 0.04637     |                | mg/L |   | 93   | 75 - 125    | 9   | 25        |
| MTBE                          | 0.0500      | 0.04733     |                | mg/L |   | 95   | 65 - 135    | 9   | 25        |
| Naphthalene                   | 0.0500      | 0.05471     |                | mg/L |   | 109  | 70 - 130    | 3   | 25        |
| n-Butylbenzene                | 0.0500      | 0.04705     |                | mg/L |   | 94   | 75 - 125    | 8   | 25        |
| N-Propylbenzene               | 0.0500      | 0.04736     |                | mg/L |   | 95   | 75 - 125    | 8   | 25        |
| o-Xylene                      | 0.0500      | 0.04572     |                | mg/L |   | 91   | 75 - 125    | 12  | 25        |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.04737     |                | mg/L |   | 95   | 75 - 125    | 9   | 25        |
| sec-Butylbenzene              | 0.0500      | 0.04682     |                | mg/L |   | 94   | 75 - 125    | 8   | 25        |
| Styrene                       | 0.0500      | 0.04755     |                | mg/L |   | 95   | 75 - 125    | 10  | 25        |
| tert-Butylbenzene             | 0.0500      | 0.04666     |                | mg/L |   | 93   | 75 - 125    | 10  | 25        |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.04715     |                | mg/L |   | 94   | 72 - 125    | 10  | 25        |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04911     |                | mg/L |   | 98   | 74 - 125    | 5   | 25        |
| Tetrachloroethene             | 0.0500      | 0.04568     |                | mg/L |   | 91   | 71 - 125    | 7   | 25        |
| Toluene                       | 0.0500      | 0.04486     |                | mg/L |   | 90   | 70 - 130    | 12  | 25        |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-108371/12

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.04525     |                | mg/L |   | 91   | 75 - 125    | 11  | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.04746     |                | mg/L |   | 95   | 66 - 125    | 8   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.05243     |                | mg/L |   | 105  | 75 - 137    | 1   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05133     |                | mg/L |   | 103  | 75 - 135    | 2   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.04597     |                | mg/L |   | 92   | 70 - 130    | 10  | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.04598     |                | mg/L |   | 92   | 70 - 130    | 10  | 25        |
| Trichloroethene           | 0.0500      | 0.04693     |                | mg/L |   | 94   | 75 - 135    | 9   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.04613     |                | mg/L |   | 92   | 60 - 140    | 10  | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.04918     |                | mg/L |   | 98   | 75 - 125    | 7   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.04699     |                | mg/L |   | 94   | 75 - 125    | 9   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.04646     |                | mg/L |   | 93   | 60 - 140    | 10  | 25        |
| Vinyl chloride            | 0.0500      | 0.04641     |                | mg/L |   | 93   | 60 - 140    | 8   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 101            |                | 74 - 124 |
| Dibromofluoromethane (Surr)  | 100            |                | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 99             |                | 63 - 144 |
| Toluene-d8 (Surr)            | 99             |                | 80 - 120 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-108212/3

Matrix: Water

Analysis Batch: 108212

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Bromide  | <0.0711   | U            | 0.500 | 0.0711 mg/L |   |          | 06/16/23 15:04 | 1       |
| Chloride | <0.250    | U            | 0.500 | 0.250 mg/L  |   |          | 06/16/23 15:04 | 1       |
| Fluoride | <0.100    | U            | 0.500 | 0.100 mg/L  |   |          | 06/16/23 15:04 | 1       |
| Sulfate  | <0.200    | U            | 0.500 | 0.200 mg/L  |   |          | 06/16/23 15:04 | 1       |

Lab Sample ID: LCS 860-108212/4

Matrix: Water

Analysis Batch: 108212

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Bromide  | 10.0        | 9.584      |               | mg/L |   | 96   | 90 - 110    |
| Chloride | 10.0        | 9.688      |               | mg/L |   | 97   | 90 - 110    |
| Fluoride | 10.0        | 10.06      |               | mg/L |   | 101  | 90 - 110    |
| Sulfate  | 10.0        | 9.737      |               | mg/L |   | 97   | 90 - 110    |

Lab Sample ID: LCSD 860-108212/5

Matrix: Water

Analysis Batch: 108212

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Bromide  | 10.0        | 9.602       |                | mg/L |   | 96   | 90 - 110    | 0   | 20        |
| Chloride | 10.0        | 9.702       |                | mg/L |   | 97   | 90 - 110    | 0   | 20        |
| Fluoride | 10.0        | 10.18       |                | mg/L |   | 102  | 90 - 110    | 1   | 20        |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-108212/5

Matrix: Water

Analysis Batch: 108212

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfate | 10.0        | 9.753       |                | mg/L |   | 98   | 90 - 110    | 0   | 20        |

Lab Sample ID: LLCS 860-108212/7

Matrix: Water

Analysis Batch: 108212

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|----------|-------------|-------------|----------------|------|---|------|-------------|--|--|
| Bromide  | 0.500       | 0.4350      | J              | mg/L |   | 87   | 50 - 150    |  |  |
| Chloride | 0.500       | 0.4737      | J              | mg/L |   | 95   | 50 - 150    |  |  |
| Fluoride | 0.500       | 0.4143      | J              | mg/L |   | 83   | 50 - 150    |  |  |
| Sulfate  | 0.500       | 0.4778      | J              | mg/L |   | 96   | 50 - 150    |  |  |

Lab Sample ID: MB 860-108213/3

Matrix: Water

Analysis Batch: 108213

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Nitrate as N | <0.0391   | U            | 0.100 | 0.0391 mg/L |   |          | 06/16/23 15:04 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 06/16/23 15:04 | 1       |

Lab Sample ID: LCS 860-108213/4

Matrix: Water

Analysis Batch: 108213

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|--------------|-------------|------------|---------------|------|---|------|-------------|--|--|
| Nitrate as N | 10.0        | 9.805      |               | mg/L |   | 98   | 80 - 120    |  |  |
| Nitrite as N | 10.0        | 9.922      |               | mg/L |   | 99   | 80 - 120    |  |  |

Lab Sample ID: LCSD 860-108213/5

Matrix: Water

Analysis Batch: 108213

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 10.0        | 9.814       |                | mg/L |   | 98   | 80 - 120    | 0   | 20        |
| Nitrite as N | 10.0        | 9.939       |                | mg/L |   | 99   | 80 - 120    | 0   | 20        |

Lab Sample ID: LLCS 860-108213/6

Matrix: Water

Analysis Batch: 108213

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|--------------|-------------|-------------|----------------|------|---|------|-------------|--|--|
| Nitrate as N | 0.100       | 0.09830     | J              | mg/L |   | 98   | 50 - 150    |  |  |
| Nitrite as N | 0.100       | 0.09947     | J              | mg/L |   | 99   | 50 - 150    |  |  |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-108301/1-A

Matrix: Water

Analysis Batch: 108536

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 108301

| Analyte   | MB Result | MB Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | <0.115    | U            | 0.200 | 0.115 mg/L  |   | 06/17/23 11:30 | 06/19/23 11:33 | 1       |
| Magnesium | <0.0428   | U            | 0.200 | 0.0428 mg/L |   | 06/17/23 11:30 | 06/19/23 11:33 | 1       |
| Potassium | <0.0914   | U            | 0.500 | 0.0914 mg/L |   | 06/17/23 11:30 | 06/19/23 11:33 | 1       |
| Sodium    | <0.152    | U            | 0.500 | 0.152 mg/L  |   | 06/17/23 11:30 | 06/19/23 11:33 | 1       |
| SiO2      | <0.471    | U            | 1.07  | 0.471 mg/L  |   | 06/17/23 11:30 | 06/19/23 11:33 | 1       |

Lab Sample ID: LCS 860-108301/2-A

Matrix: Water

Analysis Batch: 108536

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 108301

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|------|---|------|-------------|
| Calcium   | 25.0        | 23.20      |               | mg/L |   | 93   | 85 - 115    |
| Magnesium | 25.0        | 22.40      |               | mg/L |   | 90   | 85 - 115    |
| Potassium | 10.0        | 9.240      |               | mg/L |   | 92   | 85 - 115    |
| Sodium    | 25.0        | 23.40      |               | mg/L |   | 94   | 85 - 115    |
| SiO2      | 21.4        | 20.29      |               | mg/L |   | 95   | 85 - 115    |

Lab Sample ID: LCSD 860-108301/3-A

Matrix: Water

Analysis Batch: 108536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 108301

| Analyte   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Calcium   | 25.0        | 23.50       |                | mg/L |   | 94   | 85 - 115    | 1   | 20        |
| Magnesium | 25.0        | 22.80       |                | mg/L |   | 91   | 85 - 115    | 2   | 20        |
| Potassium | 10.0        | 9.340       |                | mg/L |   | 93   | 85 - 115    | 1   | 20        |
| Sodium    | 25.0        | 23.60       |                | mg/L |   | 94   | 85 - 115    | 1   | 20        |
| SiO2      | 21.4        | 20.61       |                | mg/L |   | 96   | 85 - 115    | 2   | 20        |

Lab Sample ID: 880-29606-1 MS

Matrix: Water

Analysis Batch: 108536

Client Sample ID: Levey Well

Prep Type: Total Recoverable

Prep Batch: 108301

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Calcium   | 253           |                  | 25.0        | 272.0     | 4            | mg/L |   | 76   | 70 - 130    |
| Magnesium | 49.6          |                  | 25.0        | 71.90     |              | mg/L |   | 89   | 70 - 130    |
| Potassium | 3.91          |                  | 10.0        | 13.70     |              | mg/L |   | 98   | 70 - 130    |
| Sodium    | 81.1          |                  | 25.0        | 104.0     |              | mg/L |   | 92   | 70 - 130    |
| SiO2      | 66.1          |                  | 21.4        | 87.10     |              | mg/L |   | 98   | 70 - 130    |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-108543/3

Matrix: Water

Analysis Batch: 108543

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                         | MB Result | MB Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|-----------|--------------|------|-----------|---|----------|----------------|---------|
| Alkalinity                      | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 06/19/23 11:39 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 06/19/23 11:39 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 06/19/23 11:39 | 1       |
| Hydroxide Alkalinity            | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 06/19/23 11:39 | 1       |

Eurofins Midland



## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

## Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-108543/3

Matrix: Water

Analysis Batch: 108543

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                    | MB<br>Result | MB<br>Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------------|-----------------|------|-----------|---|----------|----------------|---------|
| Phenolphthalein Alkalinity | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 06/19/23 11:39 | 1       |

Lab Sample ID: LCS 860-108543/4

Matrix: Water

Analysis Batch: 108543

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------|----------------|---------------|------------------|------|---|------|----------------|
| Alkalinity | 250            | 252.3         |                  | mg/L |   | 101  | 85 - 115       |

Lab Sample ID: LCSD 860-108543/5

Matrix: Water

Analysis Batch: 108543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte    | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Alkalinity | 250            | 253.7          |                   | mg/L |   | 101  | 85 - 115       | 1   | 20           |

## Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-108321/1

Matrix: Water

Analysis Batch: 108321

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                | MB<br>Result | MB<br>Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------------|-----------------|------|-----------|---|----------|----------------|---------|
| Total Dissolved Solids | <5.00        | U               | 5.00 | 5.00 mg/L |   |          | 06/17/23 15:49 | 1       |

Lab Sample ID: LCS 860-108321/2

Matrix: Water

Analysis Batch: 108321

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------------------|----------------|---------------|------------------|------|---|------|----------------|
| Total Dissolved Solids | 1000           | 1002          |                  | mg/L |   | 100  | 80 - 120       |

Lab Sample ID: LCSD 860-108321/3

Matrix: Water

Analysis Batch: 108321

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|------------------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Total Dissolved Solids | 1000           | 1002           |                   | mg/L |   | 100  | 80 - 120       | 0   | 10           |

Lab Sample ID: LLCS 860-108321/4

Matrix: Water

Analysis Batch: 108321

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                | Spike<br>Added | LLCS<br>Result | LLCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------------------|----------------|----------------|-------------------|------|---|------|----------------|
| Total Dissolved Solids | 5.00           | 6.000          |                   | mg/L |   | 120  | 50 - 150       |

Eurofins Midland

QC Association Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

GC/MS VOA

Analysis Batch: 108371

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-29606-1         | Levey Well             | Total/NA  | Water  | 8260C  |            |
| MB 860-108371/17    | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-108371/1011 | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-108371/12  | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

HPLC/IC

Analysis Batch: 108212

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29606-1       | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-108212/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-108212/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-108212/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-108212/7 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

Analysis Batch: 108213

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29606-1       | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-108213/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-108213/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-108213/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-108213/6 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

Metals

Prep Batch: 108301

| Lab Sample ID       | Client Sample ID       | Prep Type         | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|--------|------------|
| 880-29606-1         | Levey Well             | Total Recoverable | Water  | 200.7  |            |
| MB 860-108301/1-A   | Method Blank           | Total Recoverable | Water  | 200.7  |            |
| LCS 860-108301/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |
| LCSD 860-108301/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7  |            |
| 880-29606-1 MS      | Levey Well             | Total Recoverable | Water  | 200.7  |            |

Analysis Batch: 108536

| Lab Sample ID       | Client Sample ID       | Prep Type         | Matrix | Method        | Prep Batch |
|---------------------|------------------------|-------------------|--------|---------------|------------|
| 880-29606-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 108301     |
| 880-29606-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 108301     |
| MB 860-108301/1-A   | Method Blank           | Total Recoverable | Water  | 200.7 Rev 4.4 | 108301     |
| LCS 860-108301/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 108301     |
| LCSD 860-108301/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7 Rev 4.4 | 108301     |
| 880-29606-1 MS      | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 108301     |

General Chemistry

Analysis Batch: 107460

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-29606-1   | Levey Well       | Total/NA  | Water  | SM 1030E |            |

Analysis Batch: 108321

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 880-29606-1     | Levey Well       | Total/NA  | Water  | SM 2540C |            |
| MB 860-108321/1 | Method Blank     | Total/NA  | Water  | SM 2540C |            |

Eurofins Midland

QC Association Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

General Chemistry (Continued)

Analysis Batch: 108321 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| LCS 860-108321/2  | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |
| LCSD 860-108321/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2540C |            |
| LLCS 860-108321/4 | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |

Analysis Batch: 108534

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-29606-1   | Levey Well       | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 108543

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-29606-1       | Levey Well             | Total/NA  | Water  | SM 2320B |            |
| MB 860-108543/3   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-108543/4  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-108543/5 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

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

Lab Chronicle

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

**Client Sample ID: Levey Well**  
**Date Collected: 06/15/23 10:50**  
**Date Received: 06/15/23 15:22**

**Lab Sample ID: 880-29606-1**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method  | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|---------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260C         |     | 1               | 108371       | NA      | EET HOU | 06/18/23 20:24       |
| Total/NA          | Analysis   | 300.0         |     | 1               | 108212       | A1S     | EET HOU | 06/17/23 01:16       |
| Total/NA          | Analysis   | 300.0         |     | 1               | 108213       | A1S     | EET HOU | 06/17/23 01:16       |
| Total Recoverable | Prep       | 200.7         |     |                 | 108301       | MD      | EET HOU | 06/17/23 11:30       |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 1               | 108536       | JDM     | EET HOU | 06/19/23 12:47       |
| Total Recoverable | Prep       | 200.7         |     |                 | 108301       | MD      | EET HOU | 06/17/23 11:30       |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 50              | 108536       | JDM     | EET HOU | 06/19/23 13:00       |
| Total/NA          | Analysis   | SM 1030E      |     | 1               | 107460       | SC      | EET HOU | 06/19/23 08:37       |
| Total/NA          | Analysis   | SM 2320B      |     | 1               | 108543       | TL      | EET HOU | 06/19/23 15:13       |
| Total/NA          | Analysis   | SM 2540C      |     | 1               | 108321       | OH      | EET HOU | 06/17/23 15:49       |
| Total/NA          | Analysis   | SM 4500 H+ B  |     | 1               | 108534       | TL      | EET HOU | 06/19/23 16:04       |

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-23-50      | 06-30-23        |

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

| Analysis Method | Prep Method | Matrix | Analyte                         |
|-----------------|-------------|--------|---------------------------------|
| SM 1030E        |             | Water  | Anion/Cation Balance            |
| SM 2320B        |             | Water  | Bicarbonate Alkalinity as CaCO3 |
| SM 2320B        |             | Water  | Carbonate Alkalinity as CaCO3   |
| SM 2320B        |             | Water  | Hydroxide Alkalinity            |
| SM 2320B        |             | Water  | Phenolphthalein Alkalinity      |
| SM 4500 H+ B    |             | Water  | Temperature                     |

Method Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

| Method        | Method Description                    | Protocol | Laboratory |
|---------------|---------------------------------------|----------|------------|
| 8260C         | Volatile Organic Compounds by GC/MS   | SW846    | EET HOU    |
| 300.0         | Anions, Ion Chromatography            | EPA      | EET HOU    |
| 200.7 Rev 4.4 | Metals (ICP)                          | EPA      | EET HOU    |
| SM 1030E      | Cation Anion Balance                  | SM       | EET HOU    |
| SM 2320B      | Alkalinity                            | SM       | EET HOU    |
| SM 2540C      | Solids, Total Dissolved (TDS)         | SM       | EET HOU    |
| SM 4500 H+ B  | pH                                    | SM       | EET HOU    |
| 200.7         | Preparation, Total Recoverable Metals | EPA      | EET HOU    |
| 5030C         | Purge and Trap                        | SW846    | EET HOU    |

**Protocol References:**  
EPA = US Environmental Protection Agency  
SM = "Standard Methods For The Examination Of Water And Wastewater"  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200



Sample Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29606-1  
SDG: Hobbs NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-29606-1   | Levey Well       | Water  | 06/15/23 10:50 | 06/15/23 15:22 |

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



## Chain of Custody

Work Order No: 29604

Houston TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio TX (210) 509-3334  
Midland TX (432-704-5440) EL Paso, TX (915)565-3443 Lubbock TX (806)794-1296  
Phoenix,AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813) 988-3333  
Hobbs NM (575-392-7750)

www.xenco.com Page 1 of 1

|                  |                       |                         |                       |
|------------------|-----------------------|-------------------------|-----------------------|
| Project Manager: | Beaux Jennings        | Bill to: (if different) |                       |
| Company Name:    | Ensolum LLC           | Company Name:           |                       |
| Address:         | 601 Merriemfield #400 | Address                 |                       |
| City, State ZIP  | Midland TX 79701      | City, State ZIP.        |                       |
| Phone            | 432-230-3344          | Email                   | bjennings@ensolum.com |

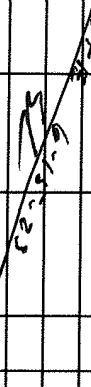
| Work Order Comments                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>    |  |
| State of Project:                                                                                                                                                              |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>                                                                        |  |

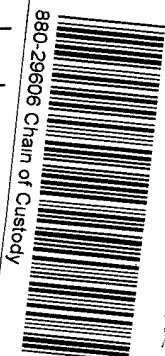
|                 |              |          |                                  |
|-----------------|--------------|----------|----------------------------------|
| Project Name    | Levey Well   | Hobbs NM | Turn Around                      |
| Project Number: | 03B1417001   |          | Routine <input type="checkbox"/> |
| P. O. Number:   | 03B1417001   |          | Rush 24 hr                       |
| Sampler's Name  | Shane Diller |          | Due Date                         |

|                       |                       |                                      |                                     |         |                                      |     |                |
|-----------------------|-----------------------|--------------------------------------|-------------------------------------|---------|--------------------------------------|-----|----------------|
| <b>SAMPLE RECEIPT</b> | Temp Blank.           | Yes                                  | No <input checked="" type="radio"/> | Wet Ice | Yes <input checked="" type="radio"/> | No  |                |
|                       | Temperature (°C)      | 6.9166                               |                                     |         |                                      |     | Thermometer ID |
|                       | Received Inact.       | Yes <input checked="" type="radio"/> | No                                  | T118    |                                      |     |                |
|                       | Cooler Custody Seals. | Yes                                  | No                                  | NA      | Correction Factor:                   | -80 |                |
|                       | Sample Custody Seals. | Yes                                  | No                                  | NA      | Total Containers                     |     |                |

| ANALYSIS REQUEST           |  | Work Order Notes                                              |
|----------------------------|--|---------------------------------------------------------------|
| Number of Containers       |  | TAT starts the day received by the lab. If received by 4:30pm |
|                            |  |                                                               |
| F, Cl, SO <sub>4</sub> , B |  |                                                               |
| Ca, K, Mg, Na, Si          |  |                                                               |
|                            |  |                                                               |
| by                         |  |                                                               |
|                            |  |                                                               |
|                            |  |                                                               |
|                            |  |                                                               |
|                            |  |                                                               |

| Sample Identification                                                               |      | Matrix | Date Sampled | Time Sampled | Depth | Number | VOCs | Anions: | Cations: | pH | Alkalinity | TDS | Sample Comments |      |
|-------------------------------------------------------------------------------------|------|--------|--------------|--------------|-------|--------|------|---------|----------|----|------------|-----|-----------------|------|
| Level                                                                               | Well | GW     | 6-15-27      | 1050         |       | 7      | X    | X       | X        | X  | X          | X   |                 | 24hr |
|    |      |        |              |              |       |        |      |         |          |    |            |     |                 |      |
|  |      |        |              |              |       |        |      |         |          |    |            |     |                 |      |
| 880-29606 Chain of Custody                                                          |      |        |              |              |       |        |      |         |          |    |            |     |                 |      |



880-29606 Chain of Custody

| Total                                        | 200.7 / 6010 | 200.8 / 6020: |  | 8RCRA | 13PPM | Texas | 11 | Al | Sb | As | Ba | Be | B | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Tl | Sn | U | V | Zn |
|----------------------------------------------|--------------|---------------|--|-------|-------|-------|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|---|----|
| Circle Method(s) and Metal(s) to be analyzed |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|                                              |              |               |  |       |       |       |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by, (Signature)                                                       | Received by (Signature)                                                           | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-----------------------------|-------------------------|-----------|
| 1  |  | 01/15/23  | 2                           |                         |           |
| 3                                                                                  |                                                                                   | 1522      | 4                           |                         |           |
| 5                                                                                  |                                                                                   |           | 6                           |                         |           |

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29606-1

SDG Number: Hobbs NM

Login Number: 29606

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29606-1

SDG Number: Hobbs NM

Login Number: 29606

List Number: 2

Creator: Babar, Syed

List Source: Eurofins Houston

List Creation: 06/16/23 03:55 PM

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



Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Beaux Jennings  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 6/27/2023 9:48:40 PM

## JOB DESCRIPTION

Levey Well Hobbs, NM - 03B1417001  
SDG NUMBER Hobbs NM

## JOB NUMBER

880-29966-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
6/27/2023 9:48:40 PM

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



Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Laboratory Job ID: 880-29966-1  
SDG: Hobbs NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| Surrogate Summary . . . . .      | 8  |
| QC Sample Results . . . . .      | 9  |
| QC Association Summary . . . . . | 17 |
| Lab Chronicle . . . . .          | 19 |
| Certification Summary . . . . .  | 20 |
| Method Summary . . . . .         | 21 |
| Sample Summary . . . . .         | 22 |
| Chain of Custody . . . . .       | 23 |
| Receipt Checklists . . . . .     | 24 |

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

Definitions/Glossary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

General Chemistry

| Qualifier | Qualifier Description                                                                                |
|-----------|------------------------------------------------------------------------------------------------------|
| HF        | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| U         | Indicates the analyte was analyzed for but not detected.                                             |

Glossary

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

Case Narrative

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

Job ID: 880-29966-1

Laboratory: Eurofins Midland

| Narrative | Job Narrative<br>880-29966-1 |
|-----------|------------------------------|
|-----------|------------------------------|

Receipt

The sample was received on 6/23/2023 2:54 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 860-109461 recovered above the upper control limit for 1,2,4-Trichlorobenzene .The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 860-109461/2).

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

HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-109419 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recovery is within acceptance limits.

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

Metals

Method 200.7: Due to the high concentration of Sodium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 860-109447 and analytical batch 860-109722 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

General Chemistry

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

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

## Client Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-29966-1

Date Collected: 06/23/23 10:00

Matrix: Water

Date Received: 06/23/23 14:54

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                       | Result            | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-------------------|-----------|---------|---------------|---|----------|----------------|---------|
| <b>Benzene</b>                | <b>0.00365</b>    |           | 0.00100 | 0.000460 mg/L |   |          | 06/26/23 13:36 | 1       |
| Bromobenzene                  | <0.000665 U       |           | 0.00100 | 0.000665 mg/L |   |          | 06/26/23 13:36 | 1       |
| Bromochloromethane            | <0.000657 U       |           | 0.00100 | 0.000657 mg/L |   |          | 06/26/23 13:36 | 1       |
| Bromodichloromethane          | <0.000552 U       |           | 0.00100 | 0.000552 mg/L |   |          | 06/26/23 13:36 | 1       |
| Bromoform                     | <0.000633 U       |           | 0.00500 | 0.000633 mg/L |   |          | 06/26/23 13:36 | 1       |
| Bromomethane                  | <0.00142 U        |           | 0.00500 | 0.00142 mg/L  |   |          | 06/26/23 13:36 | 1       |
| 2-Butanone                    | <0.00828 U        |           | 0.0500  | 0.00828 mg/L  |   |          | 06/26/23 13:36 | 1       |
| Carbon tetrachloride          | <0.000896 U       |           | 0.00500 | 0.000896 mg/L |   |          | 06/26/23 13:36 | 1       |
| Chlorobenzene                 | <0.000530 U       |           | 0.00100 | 0.000530 mg/L |   |          | 06/26/23 13:36 | 1       |
| Chloroethane                  | <0.00198 U        |           | 0.0100  | 0.00198 mg/L  |   |          | 06/26/23 13:36 | 1       |
| Chloroform                    | <0.000643 U       |           | 0.00100 | 0.000643 mg/L |   |          | 06/26/23 13:36 | 1       |
| Chloromethane                 | <0.00204 U        |           | 0.0100  | 0.00204 mg/L  |   |          | 06/26/23 13:36 | 1       |
| 2-Chlorotoluene               | <0.00118 U        |           | 0.00200 | 0.00118 mg/L  |   |          | 06/26/23 13:36 | 1       |
| 4-Chlorotoluene               | <0.000472 U       |           | 0.00100 | 0.000472 mg/L |   |          | 06/26/23 13:36 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 U       |           | 0.00100 | 0.000714 mg/L |   |          | 06/26/23 13:36 | 1       |
| cis-1,3-Dichloropropene       | <0.00107 U        |           | 0.00500 | 0.00107 mg/L  |   |          | 06/26/23 13:36 | 1       |
| Dibromochloromethane          | <0.000547 U       |           | 0.00500 | 0.000547 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127 U        |           | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 13:36 | 1       |
| 1,2-Dibromoethane             | <0.000999 U       |           | 0.00500 | 0.000999 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 U       |           | 0.00100 | 0.000509 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 U       |           | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 U       |           | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 13:36 | 1       |
| Dichlorodifluoromethane       | <0.000919 U       |           | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,1-Dichloroethane            | <0.000635 U       |           | 0.00100 | 0.000635 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,2-Dichloroethane            | <0.000590 U       |           | 0.00100 | 0.000590 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,1-Dichloroethene            | <0.000738 U       |           | 0.00100 | 0.000738 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,2-Dichloropropane           | <0.000667 U       |           | 0.00500 | 0.000667 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,3-Dichloropropane           | <0.000514 U       |           | 0.00500 | 0.000514 mg/L |   |          | 06/26/23 13:36 | 1       |
| 2,2-Dichloropropane           | <0.000780 U       |           | 0.00500 | 0.000780 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,1-Dichloropropene           | <0.00160 U        |           | 0.00500 | 0.00160 mg/L  |   |          | 06/26/23 13:36 | 1       |
| <b>Ethylbenzene</b>           | <b>0.0139</b>     |           | 0.00100 | 0.000411 mg/L |   |          | 06/26/23 13:36 | 1       |
| Hexachlorobutadiene           | <0.00126 U        |           | 0.00500 | 0.00126 mg/L  |   |          | 06/26/23 13:36 | 1       |
| <b>Isopropylbenzene</b>       | <b>0.00633</b>    |           | 0.00100 | 0.000613 mg/L |   |          | 06/26/23 13:36 | 1       |
| Methylene Chloride            | <0.00173 U        |           | 0.00500 | 0.00173 mg/L  |   |          | 06/26/23 13:36 | 1       |
| <b>m,p-Xylenes</b>            | <b>0.0564</b>     |           | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 13:36 | 1       |
| MTBE                          | <0.00139 U        |           | 0.00500 | 0.00139 mg/L  |   |          | 06/26/23 13:36 | 1       |
| Naphthalene                   | <0.00135 U        |           | 0.0100  | 0.00135 mg/L  |   |          | 06/26/23 13:36 | 1       |
| <b>n-Butylbenzene</b>         | <b>0.000789 J</b> |           | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 13:36 | 1       |
| <b>N-Propylbenzene</b>        | <b>0.00291</b>    |           | 0.00100 | 0.000498 mg/L |   |          | 06/26/23 13:36 | 1       |
| <b>o-Xylene</b>               | <b>0.00865</b>    |           | 0.00100 | 0.000551 mg/L |   |          | 06/26/23 13:36 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 U       |           | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 13:36 | 1       |
| <b>sec-Butylbenzene</b>       | <b>0.00128</b>    |           | 0.00100 | 0.000468 mg/L |   |          | 06/26/23 13:36 | 1       |
| Styrene                       | <0.000655 U       |           | 0.00100 | 0.000655 mg/L |   |          | 06/26/23 13:36 | 1       |
| tert-Butylbenzene             | <0.000442 U       |           | 0.00100 | 0.000442 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 U       |           | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 U       |           | 0.00100 | 0.000470 mg/L |   |          | 06/26/23 13:36 | 1       |
| Tetrachloroethene             | <0.000801 U       |           | 0.00100 | 0.000801 mg/L |   |          | 06/26/23 13:36 | 1       |
| <b>Toluene</b>                | <b>0.0251</b>     |           | 0.00100 | 0.000475 mg/L |   |          | 06/26/23 13:36 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 U       |           | 0.00100 | 0.000945 mg/L |   |          | 06/26/23 13:36 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-29966-1

Date Collected: 06/23/23 10:00

Matrix: Water

Date Received: 06/23/23 14:54

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 13:36 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U         | 0.00500 | 0.00217 mg/L  |   |          | 06/26/23 13:36 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U         | 0.00500 | 0.00175 mg/L  |   |          | 06/26/23 13:36 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U         | 0.00500 | 0.00169 mg/L  |   |          | 06/26/23 13:36 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U         | 0.00100 | 0.000511 mg/L |   |          | 06/26/23 13:36 | 1       |
| Trichloroethene           | <0.000791 | U         | 0.00500 | 0.000791 mg/L |   |          | 06/26/23 13:36 | 1       |
| Trichlorofluoromethane    | <0.000638 | U         | 0.00100 | 0.000638 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U         | 0.00100 | 0.000490 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,2,4-Trimethylbenzene    | 0.0141    |           | 0.00100 | 0.000417 mg/L |   |          | 06/26/23 13:36 | 1       |
| 1,3,5-Trimethylbenzene    | 0.00414   |           | 0.00100 | 0.000456 mg/L |   |          | 06/26/23 13:36 | 1       |
| Vinyl chloride            | <0.000638 | U         | 0.00200 | 0.000638 mg/L |   |          | 06/26/23 13:36 | 1       |
| Xylenes, Total            | 0.0651    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 13:36 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 98        |           | 74 - 124 |          | 06/26/23 13:36 | 1       |
| Dibromofluoromethane (Surr)  | 97        |           | 75 - 131 |          | 06/26/23 13:36 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 63 - 144 |          | 06/26/23 13:36 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 06/26/23 13:36 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result  | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
| Bromide      | 0.386   | J         | 0.500 | 0.0711 mg/L |   |          | 06/24/23 17:11 | 1       |
| Nitrate as N | 0.123   |           | 0.100 | 0.0391 mg/L |   |          | 06/24/23 17:11 | 1       |
| Chloride     | 239     |           | 0.500 | 0.250 mg/L  |   |          | 06/24/23 17:11 | 1       |
| Nitrite as N | <0.0293 | U         | 0.100 | 0.0293 mg/L |   |          | 06/24/23 17:11 | 1       |
| Fluoride     | 0.463   | J         | 0.500 | 0.100 mg/L  |   |          | 06/24/23 17:11 | 1       |
| Sulfate      | 50.8    |           | 0.500 | 0.200 mg/L  |   |          | 06/24/23 17:11 | 1       |

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte   | Result | Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | 254    |           | 10.0  | 5.76 mg/L   |   | 06/25/23 19:08 | 06/26/23 15:54 | 50      |
| Magnesium | 50.9   |           | 0.200 | 0.0428 mg/L |   | 06/25/23 19:08 | 06/26/23 15:32 | 1       |
| Potassium | 4.38   |           | 0.500 | 0.0914 mg/L |   | 06/25/23 19:08 | 06/26/23 15:32 | 1       |
| Sodium    | 81.4   |           | 0.500 | 0.152 mg/L  |   | 06/25/23 19:08 | 06/26/23 15:32 | 1       |
| SiO2      | 63.6   |           | 1.07  | 0.471 mg/L  |   | 06/25/23 19:08 | 06/26/23 15:32 | 1       |

## General Chemistry

| Analyte                                    | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Anion/Cation Balance (SM 1030E)            | -8.19  |           |      | %         |   |          | 06/27/23 20:37 | 1       |
| Alkalinity (SM 2320B)                      | 712    |           | 4.00 | 4.00 mg/L |   |          | 06/26/23 13:55 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 712    |           | 4.00 | 4.00 mg/L |   |          | 06/26/23 13:55 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/26/23 13:55 | 1       |
| Hydroxide Alkalinity (SM 2320B)            | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/26/23 13:55 | 1       |
| Phenolphthalein Alkalinity (SM 2320B)      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/26/23 13:55 | 1       |
| Total Dissolved Solids (SM 2540C)          | 1240   |           | 10.0 | 10.0 mg/L |   |          | 06/26/23 15:26 | 1       |
| pH (SM 4500 H+ B)                          | 6.5    | HF        |      | SU        |   |          | 06/26/23 19:07 | 1       |
| Temperature (SM 4500 H+ B)                 | 20.5   | HF        |      | Degrees C |   |          | 06/26/23 19:07 | 1       |

Eurofins Midland

Surrogate Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

Method: 8260C - Volatile Organic Compounds by GC/MS  
Matrix: Water

Prep Type: Total/NA

|                                    |                        | Percent Surrogate Recovery (Acceptance Limits) |          |          |          |
|------------------------------------|------------------------|------------------------------------------------|----------|----------|----------|
| Lab Sample ID                      | Client Sample ID       | BFB                                            | DBFM     | DCA      | TOL      |
|                                    |                        | (74-124)                                       | (75-131) | (63-144) | (80-120) |
| 880-29966-1                        | Levey Well             | 98                                             | 97       | 111      | 101      |
| LCS 860-109461/3                   | Lab Control Sample     | 91                                             | 93       | 100      | 98       |
| LCSD 860-109461/4                  | Lab Control Sample Dup | 93                                             | 92       | 99       | 97       |
| MB 860-109461/9                    | Method Blank           | 96                                             | 99       | 108      | 100      |
| Surrogate Legend                   |                        |                                                |          |          |          |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |                                                |          |          |          |
| DBFM = Dibromofluoromethane (Surr) |                        |                                                |          |          |          |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |                                                |          |          |          |
| TOL = Toluene-d8 (Surr)            |                        |                                                |          |          |          |

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-109461/9

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U            | 0.00100 | 0.000460 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromobenzene                  | <0.000665 | U            | 0.00100 | 0.000665 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromochloromethane            | <0.000657 | U            | 0.00100 | 0.000657 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromodichloromethane          | <0.000552 | U            | 0.00100 | 0.000552 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromoform                     | <0.000633 | U            | 0.00500 | 0.000633 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromomethane                  | <0.00142  | U            | 0.00500 | 0.00142 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 2-Butanone                    | <0.00828  | U            | 0.0500  | 0.00828 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Carbon tetrachloride          | <0.000896 | U            | 0.00500 | 0.000896 mg/L |   |          | 06/26/23 11:42 | 1       |
| Chlorobenzene                 | <0.000530 | U            | 0.00100 | 0.000530 mg/L |   |          | 06/26/23 11:42 | 1       |
| Chloroethane                  | <0.00198  | U            | 0.0100  | 0.00198 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Chloroform                    | <0.000643 | U            | 0.00100 | 0.000643 mg/L |   |          | 06/26/23 11:42 | 1       |
| Chloromethane                 | <0.00204  | U            | 0.0100  | 0.00204 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 2-Chlorotoluene               | <0.00118  | U            | 0.00200 | 0.00118 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 4-Chlorotoluene               | <0.000472 | U            | 0.00100 | 0.000472 mg/L |   |          | 06/26/23 11:42 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U            | 0.00100 | 0.000714 mg/L |   |          | 06/26/23 11:42 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U            | 0.00500 | 0.00107 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Dibromochloromethane          | <0.000547 | U            | 0.00500 | 0.000547 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U            | 0.00500 | 0.000999 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U            | 0.00100 | 0.000509 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 11:42 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U            | 0.00100 | 0.000635 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U            | 0.00100 | 0.000590 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U            | 0.00100 | 0.000738 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U            | 0.00500 | 0.000667 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U            | 0.00500 | 0.000514 mg/L |   |          | 06/26/23 11:42 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U            | 0.00500 | 0.000780 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U            | 0.00500 | 0.00160 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Ethylbenzene                  | <0.000411 | U            | 0.00100 | 0.000411 mg/L |   |          | 06/26/23 11:42 | 1       |
| Hexachlorobutadiene           | <0.00126  | U            | 0.00500 | 0.00126 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Isopropylbenzene              | <0.000613 | U            | 0.00100 | 0.000613 mg/L |   |          | 06/26/23 11:42 | 1       |
| Methylene Chloride            | <0.00173  | U            | 0.00500 | 0.00173 mg/L  |   |          | 06/26/23 11:42 | 1       |
| m,p-Xylenes                   | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 11:42 | 1       |
| MTBE                          | <0.00139  | U            | 0.00500 | 0.00139 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Naphthalene                   | <0.00135  | U            | 0.0100  | 0.00135 mg/L  |   |          | 06/26/23 11:42 | 1       |
| n-Butylbenzene                | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 11:42 | 1       |
| N-Propylbenzene               | <0.000498 | U            | 0.00100 | 0.000498 mg/L |   |          | 06/26/23 11:42 | 1       |
| o-Xylene                      | <0.000551 | U            | 0.00100 | 0.000551 mg/L |   |          | 06/26/23 11:42 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 11:42 | 1       |
| sec-Butylbenzene              | <0.000468 | U            | 0.00100 | 0.000468 mg/L |   |          | 06/26/23 11:42 | 1       |
| Styrene                       | <0.000655 | U            | 0.00100 | 0.000655 mg/L |   |          | 06/26/23 11:42 | 1       |
| tert-Butylbenzene             | <0.000442 | U            | 0.00100 | 0.000442 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U            | 0.00100 | 0.000470 mg/L |   |          | 06/26/23 11:42 | 1       |
| Tetrachloroethene             | <0.000801 | U            | 0.00100 | 0.000801 mg/L |   |          | 06/26/23 11:42 | 1       |
| Toluene                       | <0.000475 | U            | 0.00100 | 0.000475 mg/L |   |          | 06/26/23 11:42 | 1       |

Eurofins Midland



## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-109461/9

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB Result    | MB Qualifier | RL       | Unit          | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene     | <0.000945    | U            | 0.00100  | 0.000945 mg/L |   |          | 06/26/23 11:42 | 1       |
| trans-1,3-Dichloropropene    | <0.00127     | U            | 0.00500  | 0.00127 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,2,3-Trichlorobenzene       | <0.00217     | U            | 0.00500  | 0.00217 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,2,4-Trichlorobenzene       | <0.00175     | U            | 0.00500  | 0.00175 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,1,1-Trichloroethane        | <0.00169     | U            | 0.00500  | 0.00169 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,1,2-Trichloroethane        | <0.000511    | U            | 0.00100  | 0.000511 mg/L |   |          | 06/26/23 11:42 | 1       |
| Trichloroethene              | <0.000791    | U            | 0.00500  | 0.000791 mg/L |   |          | 06/26/23 11:42 | 1       |
| Trichlorofluoromethane       | <0.000638    | U            | 0.00100  | 0.000638 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2,3-Trichloropropane       | <0.000490    | U            | 0.00100  | 0.000490 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2,4-Trimethylbenzene       | <0.000417    | U            | 0.00100  | 0.000417 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,3,5-Trimethylbenzene       | <0.000456    | U            | 0.00100  | 0.000456 mg/L |   |          | 06/26/23 11:42 | 1       |
| Vinyl chloride               | <0.000638    | U            | 0.00200  | 0.000638 mg/L |   |          | 06/26/23 11:42 | 1       |
| Xylenes, Total               | <0.00124     | U            | 0.0100   | 0.00124 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Surrogate                    | MB %Recovery | MB Qualifier | Limits   |               |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 96           |              | 74 - 124 |               |   |          | 06/26/23 11:42 | 1       |
| Dibromofluoromethane (Surr)  | 99           |              | 75 - 131 |               |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108          |              | 63 - 144 |               |   |          | 06/26/23 11:42 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 80 - 120 |               |   |          | 06/26/23 11:42 | 1       |

Lab Sample ID: LCS 860-109461/3

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene                     | 0.0500      | 0.05263    |               | mg/L |   | 105  | 75 - 125    |
| Bromobenzene                | 0.0500      | 0.05196    |               | mg/L |   | 104  | 75 - 125    |
| Bromochloromethane          | 0.0500      | 0.05428    |               | mg/L |   | 109  | 60 - 140    |
| Bromodichloromethane        | 0.0500      | 0.05499    |               | mg/L |   | 110  | 75 - 125    |
| Bromoform                   | 0.0500      | 0.05453    |               | mg/L |   | 109  | 70 - 130    |
| Bromomethane                | 0.0500      | 0.05901    |               | mg/L |   | 118  | 60 - 140    |
| 2-Butanone                  | 0.250       | 0.2131     |               | mg/L |   | 85   | 60 - 140    |
| Carbon tetrachloride        | 0.0500      | 0.04885    |               | mg/L |   | 98   | 70 - 130    |
| Chlorobenzene               | 0.0500      | 0.05331    |               | mg/L |   | 107  | 65 - 135    |
| Chloroethane                | 0.0500      | 0.06380    |               | mg/L |   | 128  | 60 - 140    |
| Chloroform                  | 0.0500      | 0.04883    |               | mg/L |   | 98   | 70 - 121    |
| Chloromethane               | 0.0500      | 0.04648    |               | mg/L |   | 93   | 60 - 140    |
| 2-Chlorotoluene             | 0.0500      | 0.05074    |               | mg/L |   | 101  | 73 - 125    |
| 4-Chlorotoluene             | 0.0500      | 0.05078    |               | mg/L |   | 102  | 74 - 125    |
| cis-1,2-Dichloroethene      | 0.0500      | 0.04903    |               | mg/L |   | 98   | 75 - 125    |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05340    |               | mg/L |   | 107  | 74 - 125    |
| Dibromochloromethane        | 0.0500      | 0.05847    |               | mg/L |   | 117  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05222    |               | mg/L |   | 104  | 59 - 125    |
| 1,2-Dibromoethane           | 0.0500      | 0.05314    |               | mg/L |   | 106  | 73 - 125    |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05325    |               | mg/L |   | 107  | 75 - 125    |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05344    |               | mg/L |   | 107  | 75 - 125    |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05380    |               | mg/L |   | 108  | 75 - 125    |
| Dichlorodifluoromethane     | 0.0500      | 0.05617    |               | mg/L |   | 112  | 50 - 150    |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-109461/3

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1-Dichloroethane            | 0.0500      | 0.04696    |               | mg/L |   | 94   | 70 - 130    |
| 1,2-Dichloroethane            | 0.0500      | 0.05735    |               | mg/L |   | 115  | 72 - 130    |
| 1,1-Dichloroethene            | 0.0500      | 0.05146    |               | mg/L |   | 103  | 50 - 150    |
| 1,2-Dichloropropane           | 0.0500      | 0.04742    |               | mg/L |   | 95   | 74 - 125    |
| 1,3-Dichloropropane           | 0.0500      | 0.05240    |               | mg/L |   | 105  | 75 - 125    |
| 2,2-Dichloropropane           | 0.0500      | 0.05383    |               | mg/L |   | 108  | 75 - 125    |
| 1,1-Dichloropropene           | 0.0500      | 0.04957    |               | mg/L |   | 99   | 75 - 125    |
| Ethylbenzene                  | 0.0500      | 0.05285    |               | mg/L |   | 106  | 75 - 125    |
| Hexachlorobutadiene           | 0.0500      | 0.05758    |               | mg/L |   | 115  | 75 - 125    |
| Isopropylbenzene              | 0.0500      | 0.05547    |               | mg/L |   | 111  | 75 - 125    |
| Methylene Chloride            | 0.0500      | 0.04557    |               | mg/L |   | 91   | 71 - 125    |
| m,p-Xylenes                   | 0.0500      | 0.05419    |               | mg/L |   | 108  | 75 - 125    |
| MTBE                          | 0.0500      | 0.05118    |               | mg/L |   | 102  | 65 - 135    |
| Naphthalene                   | 0.0500      | 0.05359    |               | mg/L |   | 107  | 70 - 130    |
| n-Butylbenzene                | 0.0500      | 0.05142    |               | mg/L |   | 103  | 75 - 125    |
| N-Propylbenzene               | 0.0500      | 0.05039    |               | mg/L |   | 101  | 75 - 125    |
| o-Xylene                      | 0.0500      | 0.05425    |               | mg/L |   | 108  | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05446    |               | mg/L |   | 109  | 75 - 125    |
| sec-Butylbenzene              | 0.0500      | 0.05265    |               | mg/L |   | 105  | 75 - 125    |
| Styrene                       | 0.0500      | 0.05694    |               | mg/L |   | 114  | 75 - 125    |
| tert-Butylbenzene             | 0.0500      | 0.05309    |               | mg/L |   | 106  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05554    |               | mg/L |   | 111  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04401    |               | mg/L |   | 88   | 74 - 125    |
| Tetrachloroethene             | 0.0500      | 0.05639    |               | mg/L |   | 113  | 71 - 125    |
| Toluene                       | 0.0500      | 0.04846    |               | mg/L |   | 97   | 70 - 130    |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04916    |               | mg/L |   | 98   | 75 - 125    |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05634    |               | mg/L |   | 113  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05635    |               | mg/L |   | 113  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.05981    |               | mg/L |   | 120  | 75 - 135    |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05389    |               | mg/L |   | 108  | 70 - 130    |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05085    |               | mg/L |   | 102  | 70 - 130    |
| Trichloroethene               | 0.0500      | 0.05423    |               | mg/L |   | 108  | 75 - 135    |
| Trichlorofluoromethane        | 0.0500      | 0.06139    |               | mg/L |   | 123  | 60 - 140    |
| 1,2,3-Trichloropropane        | 0.0500      | 0.04529    |               | mg/L |   | 91   | 75 - 125    |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05225    |               | mg/L |   | 105  | 75 - 125    |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05184    |               | mg/L |   | 104  | 60 - 140    |
| Vinyl chloride                | 0.0500      | 0.05584    |               | mg/L |   | 112  | 60 - 140    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 91            |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 93            |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 63 - 144 |
| Toluene-d8 (Surr)            | 98            |               | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109461/4

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
|                               |             |             |                |      |   |      |             |     |           |
| Benzene                       | 0.0500      | 0.05139     |                | mg/L |   | 103  | 75 - 125    | 2   | 25        |
| Bromobenzene                  | 0.0500      | 0.05483     |                | mg/L |   | 110  | 75 - 125    | 5   | 25        |
| Bromochloromethane            | 0.0500      | 0.05570     |                | mg/L |   | 111  | 60 - 140    | 3   | 25        |
| Bromodichloromethane          | 0.0500      | 0.05601     |                | mg/L |   | 112  | 75 - 125    | 2   | 25        |
| Bromoform                     | 0.0500      | 0.05471     |                | mg/L |   | 109  | 70 - 130    | 0   | 25        |
| Bromomethane                  | 0.0500      | 0.06795     |                | mg/L |   | 136  | 60 - 140    | 14  | 25        |
| 2-Butanone                    | 0.250       | 0.2180      |                | mg/L |   | 87   | 60 - 140    | 2   | 25        |
| Carbon tetrachloride          | 0.0500      | 0.04666     |                | mg/L |   | 93   | 70 - 130    | 5   | 25        |
| Chlorobenzene                 | 0.0500      | 0.05448     |                | mg/L |   | 109  | 65 - 135    | 2   | 25        |
| Chloroethane                  | 0.0500      | 0.06712     |                | mg/L |   | 134  | 60 - 140    | 5   | 25        |
| Chloroform                    | 0.0500      | 0.04914     |                | mg/L |   | 98   | 70 - 121    | 1   | 25        |
| Chloromethane                 | 0.0500      | 0.05315     |                | mg/L |   | 106  | 60 - 140    | 13  | 25        |
| 2-Chlorotoluene               | 0.0500      | 0.05236     |                | mg/L |   | 105  | 73 - 125    | 3   | 25        |
| 4-Chlorotoluene               | 0.0500      | 0.05257     |                | mg/L |   | 105  | 74 - 125    | 3   | 25        |
| cis-1,2-Dichloroethene        | 0.0500      | 0.05005     |                | mg/L |   | 100  | 75 - 125    | 2   | 25        |
| cis-1,3-Dichloropropene       | 0.0500      | 0.05544     |                | mg/L |   | 111  | 74 - 125    | 4   | 25        |
| Dibromochloromethane          | 0.0500      | 0.05950     |                | mg/L |   | 119  | 73 - 125    | 2   | 25        |
| 1,2-Dibromo-3-Chloropropane   | 0.0500      | 0.05377     |                | mg/L |   | 108  | 59 - 125    | 3   | 25        |
| 1,2-Dibromoethane             | 0.0500      | 0.05406     |                | mg/L |   | 108  | 73 - 125    | 2   | 25        |
| 1,2-Dichlorobenzene           | 0.0500      | 0.05637     |                | mg/L |   | 113  | 75 - 125    | 6   | 25        |
| 1,3-Dichlorobenzene           | 0.0500      | 0.05552     |                | mg/L |   | 111  | 75 - 125    | 4   | 25        |
| 1,4-Dichlorobenzene           | 0.0500      | 0.05599     |                | mg/L |   | 112  | 75 - 125    | 4   | 25        |
| Dichlorodifluoromethane       | 0.0500      | 0.05837     |                | mg/L |   | 117  | 50 - 150    | 4   | 25        |
| 1,1-Dichloroethane            | 0.0500      | 0.04946     |                | mg/L |   | 99   | 70 - 130    | 5   | 25        |
| 1,2-Dichloroethane            | 0.0500      | 0.05681     |                | mg/L |   | 114  | 72 - 130    | 1   | 25        |
| 1,1-Dichloroethene            | 0.0500      | 0.05164     |                | mg/L |   | 103  | 50 - 150    | 0   | 25        |
| 1,2-Dichloropropane           | 0.0500      | 0.04901     |                | mg/L |   | 98   | 74 - 125    | 3   | 25        |
| 1,3-Dichloropropane           | 0.0500      | 0.05271     |                | mg/L |   | 105  | 75 - 125    | 1   | 25        |
| 2,2-Dichloropropane           | 0.0500      | 0.05579     |                | mg/L |   | 112  | 75 - 125    | 4   | 25        |
| 1,1-Dichloropropene           | 0.0500      | 0.04919     |                | mg/L |   | 98   | 75 - 125    | 1   | 25        |
| Ethylbenzene                  | 0.0500      | 0.05376     |                | mg/L |   | 108  | 75 - 125    | 2   | 25        |
| Hexachlorobutadiene           | 0.0500      | 0.05937     |                | mg/L |   | 119  | 75 - 125    | 3   | 25        |
| Isopropylbenzene              | 0.0500      | 0.05719     |                | mg/L |   | 114  | 75 - 125    | 3   | 25        |
| Methylene Chloride            | 0.0500      | 0.04668     |                | mg/L |   | 93   | 71 - 125    | 2   | 25        |
| m,p-Xylenes                   | 0.0500      | 0.05451     |                | mg/L |   | 109  | 75 - 125    | 1   | 25        |
| MTBE                          | 0.0500      | 0.05391     |                | mg/L |   | 108  | 65 - 135    | 5   | 25        |
| Naphthalene                   | 0.0500      | 0.05845     |                | mg/L |   | 117  | 70 - 130    | 9   | 25        |
| n-Butylbenzene                | 0.0500      | 0.05381     |                | mg/L |   | 108  | 75 - 125    | 5   | 25        |
| N-Propylbenzene               | 0.0500      | 0.05250     |                | mg/L |   | 105  | 75 - 125    | 4   | 25        |
| o-Xylene                      | 0.0500      | 0.05502     |                | mg/L |   | 110  | 75 - 125    | 1   | 25        |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05702     |                | mg/L |   | 114  | 75 - 125    | 5   | 25        |
| sec-Butylbenzene              | 0.0500      | 0.05504     |                | mg/L |   | 110  | 75 - 125    | 4   | 25        |
| Styrene                       | 0.0500      | 0.05700     |                | mg/L |   | 114  | 75 - 125    | 0   | 25        |
| tert-Butylbenzene             | 0.0500      | 0.05536     |                | mg/L |   | 111  | 75 - 125    | 4   | 25        |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05685     |                | mg/L |   | 114  | 72 - 125    | 2   | 25        |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04554     |                | mg/L |   | 91   | 74 - 125    | 3   | 25        |
| Tetrachloroethene             | 0.0500      | 0.05789     |                | mg/L |   | 116  | 71 - 125    | 3   | 25        |
| Toluene                       | 0.0500      | 0.04937     |                | mg/L |   | 99   | 70 - 130    | 2   | 25        |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109461/4

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.04887     |                | mg/L |   | 98   | 75 - 125    | 1   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05723     |                | mg/L |   | 114  | 66 - 125    | 2   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.06156     |                | mg/L |   | 123  | 75 - 137    | 9   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.06442     |                | mg/L |   | 129  | 75 - 135    | 7   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05494     |                | mg/L |   | 110  | 70 - 130    | 2   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05240     |                | mg/L |   | 105  | 70 - 130    | 3   | 25        |
| Trichloroethene           | 0.0500      | 0.05504     |                | mg/L |   | 110  | 75 - 135    | 1   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.06427     |                | mg/L |   | 129  | 60 - 140    | 5   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.04858     |                | mg/L |   | 97   | 75 - 125    | 7   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05540     |                | mg/L |   | 111  | 75 - 125    | 6   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05472     |                | mg/L |   | 109  | 60 - 140    | 5   | 25        |
| Vinyl chloride            | 0.0500      | 0.05931     |                | mg/L |   | 119  | 60 - 140    | 6   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 93             |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 92             |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 99             |                | 63 - 144    |
| Toluene-d8 (Surr)            | 97             |                | 80 - 120    |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-109419/3

Matrix: Water

Analysis Batch: 109419

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Bromide  | <0.0711   | U            | 0.500 | 0.0711 mg/L |   |          | 06/24/23 10:09 | 1       |
| Chloride | <0.250    | U            | 0.500 | 0.250 mg/L  |   |          | 06/24/23 10:09 | 1       |
| Fluoride | <0.100    | U            | 0.500 | 0.100 mg/L  |   |          | 06/24/23 10:09 | 1       |
| Sulfate  | <0.200    | U            | 0.500 | 0.200 mg/L  |   |          | 06/24/23 10:09 | 1       |

Lab Sample ID: LCS 860-109419/4

Matrix: Water

Analysis Batch: 109419

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Bromide  | 10.0        | 9.665      |               | mg/L |   | 97   | 90 - 110    |
| Chloride | 10.0        | 9.864      |               | mg/L |   | 99   | 90 - 110    |
| Fluoride | 10.0        | 10.34      |               | mg/L |   | 103  | 90 - 110    |
| Sulfate  | 10.0        | 9.079      |               | mg/L |   | 91   | 90 - 110    |

Lab Sample ID: LCSD 860-109419/5

Matrix: Water

Analysis Batch: 109419

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Bromide  | 10.0        | 9.656       |                | mg/L |   | 97   | 90 - 110    | 0   | 20        |
| Chloride | 10.0        | 9.844       |                | mg/L |   | 98   | 90 - 110    | 0   | 20        |
| Fluoride | 10.0        | 10.32       |                | mg/L |   | 103  | 90 - 110    | 0   | 20        |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-109419/5

Matrix: Water

Analysis Batch: 109419

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfate | 10.0        | 9.184       |                | mg/L |   | 92   | 90 - 110    | 1   | 20        |

Lab Sample ID: LLCS 860-109419/7

Matrix: Water

Analysis Batch: 109419

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|----------|-------------|-------------|----------------|------|---|------|-------------|--|--|
| Bromide  | 0.500       | 0.4443      | J              | mg/L |   | 89   | 50 - 150    |  |  |
| Chloride | 0.500       | 0.4950      | J              | mg/L |   | 99   | 50 - 150    |  |  |
| Fluoride | 0.500       | 0.5254      |                | mg/L |   | 105  | 50 - 150    |  |  |
| Sulfate  | 0.500       | 0.3778      | J              | mg/L |   | 76   | 50 - 150    |  |  |

Lab Sample ID: MB 860-109420/3

Matrix: Water

Analysis Batch: 109420

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Nitrate as N | <0.0391   | U            | 0.100 | 0.0391 mg/L |   |          | 06/24/23 10:09 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 06/24/23 10:09 | 1       |

Lab Sample ID: LCS 860-109420/4

Matrix: Water

Analysis Batch: 109420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|--------------|-------------|------------|---------------|------|---|------|-------------|--|--|
| Nitrate as N | 10.0        | 9.942      |               | mg/L |   | 99   | 80 - 120    |  |  |
| Nitrite as N | 10.0        | 10.01      |               | mg/L |   | 100  | 80 - 120    |  |  |

Lab Sample ID: LCSD 860-109420/5

Matrix: Water

Analysis Batch: 109420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 10.0        | 9.932       |                | mg/L |   | 99   | 80 - 120    | 0   | 20        |
| Nitrite as N | 10.0        | 10.00       |                | mg/L |   | 100  | 80 - 120    | 0   | 20        |

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-109447/1-A

Matrix: Water

Analysis Batch: 109722

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 109447

| Analyte   | MB Result | MB Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | <0.115    | U            | 0.200 | 0.115 mg/L  |   | 06/25/23 19:07 | 06/26/23 14:00 | 1       |
| Magnesium | <0.0428   | U            | 0.200 | 0.0428 mg/L |   | 06/25/23 19:07 | 06/26/23 14:00 | 1       |
| Potassium | <0.0914   | U            | 0.500 | 0.0914 mg/L |   | 06/25/23 19:07 | 06/26/23 14:00 | 1       |
| Sodium    | <0.152    | U            | 0.500 | 0.152 mg/L  |   | 06/25/23 19:07 | 06/26/23 14:00 | 1       |
| SiO2      | <0.471    | U            | 1.07  | 0.471 mg/L  |   | 06/25/23 19:07 | 06/26/23 14:00 | 1       |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

## Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-109447/2-A

Matrix: Water

Analysis Batch: 109722

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 109447

| Analyte   | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec     |  |
|-----------|----------------|---------------|------------------|------|---|------|----------|--|
|           |                |               |                  |      |   |      | Limits   |  |
| Calcium   | 25.0           | 26.40         |                  | mg/L |   | 106  | 85 - 115 |  |
| Magnesium | 25.0           | 25.90         |                  | mg/L |   | 104  | 85 - 115 |  |
| Potassium | 10.0           | 10.50         |                  | mg/L |   | 105  | 85 - 115 |  |
| Sodium    | 25.0           | 26.40         |                  | mg/L |   | 106  | 85 - 115 |  |
| SiO2      | 21.4           | 22.47         |                  | mg/L |   | 105  | 85 - 115 |  |

Lab Sample ID: LCSD 860-109447/3-A

Matrix: Water

Analysis Batch: 109722

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 109447

| Analyte   | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec     |  | RPD |       |
|-----------|----------------|----------------|-------------------|------|---|------|----------|--|-----|-------|
|           |                |                |                   |      |   |      | Limits   |  | RPD | Limit |
| Calcium   | 25.0           | 26.40          |                   | mg/L |   | 106  | 85 - 115 |  | 0   | 20    |
| Magnesium | 25.0           | 25.90          |                   | mg/L |   | 104  | 85 - 115 |  | 0   | 20    |
| Potassium | 10.0           | 10.50          |                   | mg/L |   | 105  | 85 - 115 |  | 0   | 20    |
| Sodium    | 25.0           | 26.40          |                   | mg/L |   | 106  | 85 - 115 |  | 0   | 20    |
| SiO2      | 21.4           | 22.47          |                   | mg/L |   | 105  | 85 - 115 |  | 0   | 20    |

Lab Sample ID: LLCS 860-109447/4-A

Matrix: Water

Analysis Batch: 109722

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 109447

| Analyte   | Spike<br>Added | LLCS<br>Result | LLCS<br>Qualifier | Unit | D | %Rec | %Rec     |  |
|-----------|----------------|----------------|-------------------|------|---|------|----------|--|
|           |                |                |                   |      |   |      | Limits   |  |
| Calcium   | 0.200          | 0.1870         | J                 | mg/L |   | 94   | 50 - 150 |  |
| Magnesium | 0.200          | 0.1870         | J                 | mg/L |   | 94   | 50 - 150 |  |
| Potassium | 0.500          | 0.4890         | J                 | mg/L |   | 98   | 50 - 150 |  |
| Sodium    | 0.500          | 0.4530         | J                 | mg/L |   | 91   | 50 - 150 |  |
| SiO2      | 1.07           | 0.9181         | J                 | mg/L |   | 86   | 50 - 150 |  |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-109600/3

Matrix: Water

Analysis Batch: 109600

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                         | MB MB  |           | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
|                                 | Result | Qualifier |      |           |   |          |                |         |
| Alkalinity                      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/26/23 10:39 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/26/23 10:39 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/26/23 10:39 | 1       |
| Hydroxide Alkalinity            | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/26/23 10:39 | 1       |
| Phenolphthalein Alkalinity      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/26/23 10:39 | 1       |

Lab Sample ID: LCS 860-109600/4

Matrix: Water

Analysis Batch: 109600

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec     |  |
|------------|----------------|---------------|------------------|------|---|------|----------|--|
|            |                |               |                  |      |   |      | Limits   |  |
| Alkalinity | 250            | 251.4         |                  | mg/L |   | 101  | 85 - 115 |  |

Eurofins Midland

QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 860-109600/5  
Matrix: Water  
Analysis Batch: 109600

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

| Analyte    | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Alkalinity | 250         | 251.2       |                | mg/L |   | 100  | 85 - 115    | 0   | 20        |

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-109602/1  
Matrix: Water  
Analysis Batch: 109602

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

| Analyte                | MB Result | MB Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|------------------------|-----------|--------------|------|-----------|---|----------|----------------|---------|
| Total Dissolved Solids | <5.00     | U            | 5.00 | 5.00 mg/L |   |          | 06/26/23 15:26 | 1       |

Lab Sample ID: LCS 860-109602/2  
Matrix: Water  
Analysis Batch: 109602

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

| Analyte                | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Dissolved Solids | 1000        | 1006       |               | mg/L |   | 101  | 80 - 120    |

Lab Sample ID: LCSD 860-109602/3  
Matrix: Water  
Analysis Batch: 109602

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

| Analyte                | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Dissolved Solids | 1000        | 1006        |                | mg/L |   | 101  | 80 - 120    | 0   | 10        |

Lab Sample ID: LLCS 860-109602/4  
Matrix: Water  
Analysis Batch: 109602

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

| Analyte                | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|
| Total Dissolved Solids | 5.00        | 5.500       |                | mg/L |   | 110  | 50 - 150    |



## QC Association Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

## GC/MS VOA

## Analysis Batch: 109461

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29966-1       | Levey Well             | Total/NA  | Water  | 8260C  |            |
| MB 860-109461/9   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-109461/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-109461/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## HPLC/IC

## Analysis Batch: 109419

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29966-1       | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-109419/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-109419/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-109419/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-109419/7 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 109420

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29966-1       | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-109420/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-109420/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-109420/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Metals

## Prep Batch: 109447

| Lab Sample ID       | Client Sample ID       | Prep Type         | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|--------|------------|
| 880-29966-1         | Levey Well             | Total Recoverable | Water  | 200.7  |            |
| MB 860-109447/1-A   | Method Blank           | Total Recoverable | Water  | 200.7  |            |
| LCS 860-109447/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |
| LCSD 860-109447/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7  |            |
| LLCS 860-109447/4-A | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |

## Analysis Batch: 109722

| Lab Sample ID       | Client Sample ID       | Prep Type         | Matrix | Method        | Prep Batch |
|---------------------|------------------------|-------------------|--------|---------------|------------|
| 880-29966-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 109447     |
| 880-29966-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 109447     |
| MB 860-109447/1-A   | Method Blank           | Total Recoverable | Water  | 200.7 Rev 4.4 | 109447     |
| LCS 860-109447/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 109447     |
| LCSD 860-109447/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7 Rev 4.4 | 109447     |
| LLCS 860-109447/4-A | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 109447     |

## General Chemistry

## Analysis Batch: 107460

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-29966-1   | Levey Well       | Total/NA  | Water  | SM 1030E |            |

## Analysis Batch: 109600

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 880-29966-1      | Levey Well         | Total/NA  | Water  | SM 2320B |            |
| MB 860-109600/3  | Method Blank       | Total/NA  | Water  | SM 2320B |            |
| LCS 860-109600/4 | Lab Control Sample | Total/NA  | Water  | SM 2320B |            |

Eurofins Midland

QC Association Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

General Chemistry (Continued)

Analysis Batch: 109600 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| LCSD 860-109600/5 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 109602

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-29966-1       | Levey Well             | Total/NA  | Water  | SM 2540C |            |
| MB 860-109602/1   | Method Blank           | Total/NA  | Water  | SM 2540C |            |
| LCS 860-109602/2  | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |
| LCSD 860-109602/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2540C |            |
| LLCS 860-109602/4 | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |

Analysis Batch: 109736

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-29966-1   | Levey Well       | Total/NA  | Water  | SM 4500 H+ B |            |

Lab Chronicle

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

**Client Sample ID: Levey Well**  
**Date Collected: 06/23/23 10:00**  
**Date Received: 06/23/23 14:54**

**Lab Sample ID: 880-29966-1**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method  | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|---------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260C         |     | 1               | 109461       | AN      | EET HOU | 06/26/23 13:36       |
| Total/NA          | Analysis   | 300.0         |     | 1               | 109419       | WP      | EET HOU | 06/24/23 17:11       |
| Total/NA          | Analysis   | 300.0         |     | 1               | 109420       | WP      | EET HOU | 06/24/23 17:11       |
| Total Recoverable | Prep       | 200.7         |     |                 | 109447       | AGR     | EET HOU | 06/25/23 19:08       |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 1               | 109722       | JDM     | EET HOU | 06/26/23 15:32       |
| Total Recoverable | Prep       | 200.7         |     |                 | 109447       | AGR     | EET HOU | 06/25/23 19:08       |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 50              | 109722       | JDM     | EET HOU | 06/26/23 15:54       |
| Total/NA          | Analysis   | SM 1030E      |     | 1               | 107460       | SC      | EET HOU | 06/27/23 20:37       |
| Total/NA          | Analysis   | SM 2320B      |     | 1               | 109600       | TL      | EET HOU | 06/26/23 13:55       |
| Total/NA          | Analysis   | SM 2540C      |     | 1               | 109602       | OH      | EET HOU | 06/26/23 15:26       |
| Total/NA          | Analysis   | SM 4500 H+ B  |     | 1               | 109736       | TL      | EET HOU | 06/26/23 19:07       |

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-23-50      | 06-30-23        |

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

| Analysis Method | Prep Method | Matrix | Analyte                         |
|-----------------|-------------|--------|---------------------------------|
| SM 1030E        |             | Water  | Anion/Cation Balance            |
| SM 2320B        |             | Water  | Bicarbonate Alkalinity as CaCO3 |
| SM 2320B        |             | Water  | Carbonate Alkalinity as CaCO3   |
| SM 2320B        |             | Water  | Hydroxide Alkalinity            |
| SM 2320B        |             | Water  | Phenolphthalein Alkalinity      |
| SM 4500 H+ B    |             | Water  | Temperature                     |

Method Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

| Method        | Method Description                    | Protocol | Laboratory |
|---------------|---------------------------------------|----------|------------|
| 8260C         | Volatile Organic Compounds by GC/MS   | SW846    | EET HOU    |
| 300.0         | Anions, Ion Chromatography            | EPA      | EET HOU    |
| 200.7 Rev 4.4 | Metals (ICP)                          | EPA      | EET HOU    |
| SM 1030E      | Cation Anion Balance                  | SM       | EET HOU    |
| SM 2320B      | Alkalinity                            | SM       | EET HOU    |
| SM 2540C      | Solids, Total Dissolved (TDS)         | SM       | EET HOU    |
| SM 4500 H+ B  | pH                                    | SM       | EET HOU    |
| 200.7         | Preparation, Total Recoverable Metals | EPA      | EET HOU    |
| 5030C         | Purge and Trap                        | SW846    | EET HOU    |

**Protocol References:**  
EPA = US Environmental Protection Agency  
SM = "Standard Methods For The Examination Of Water And Wastewater"  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-29966-1  
SDG: Hobbs NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-29966-1   | Levey Well       | Water  | 06/23/23 10:00 | 06/23/23 14:54 |

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



## M

880-29966 Chain of Custody

**880-29966 Chain of Custody**

| Work Order Comments                                                                                                                                                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Program:</b> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>                  |  |
| <b>State of Project:</b>                                                                                                                                                                            |  |
| <b>Reporting Level II</b> <input type="checkbox"/> <b>Level III</b> <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> <b>Level IV</b> <input type="checkbox"/> |  |
| <b>Deliverables</b> EDD <input type="checkbox"/> <input type="checkbox"/> ADAPT <input type="checkbox"/> <input type="checkbox"/> Other <input type="checkbox"/>                                    |  |

| ANALYSIS REQUEST           |  |  |  |  |  |  |  | Work Order Notes                                              |
|----------------------------|--|--|--|--|--|--|--|---------------------------------------------------------------|
| Number of Containers       |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
| F, Cl, SO <sub>4</sub> , B |  |  |  |  |  |  |  |                                                               |
| : Ca, K, Mg, Na, Si        |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  |                                                               |
|                            |  |  |  |  |  |  |  | TAT starts the day received by the lab, if received by 4:30pm |

[illegible]

| Total            | 200.7 / 6010 | 200.8 / 6020: | Circle Method(s) and Metals(s) to be analyzed |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|------------------|--------------|---------------|-----------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|---|----|
| 8RCRA            | 13PPM        | Texas 11      | Al                                            | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | se | Ag | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |
| TCLP / SPLP 6010 |              |               | 8RCRA                                         | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |   |    |    |                  |    |    |    |    |   |   |    |
|                  |              |               | 1631 / 245.1 / 7470 / 7471 Hg                 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by (Signature)                                                         | Received by (Signature)                                                           | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-----------------------------|-------------------------|-----------|
| 1  |  | 6/23/23   | 2                           |                         |           |
| 3  |                                                                                   | 4/24/24   | 4                           |                         |           |
| 5                                                                                   |                                                                                   |           | 6                           |                         |           |



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29966-1

SDG Number: Hobbs NM

Login Number: 29966

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29966-1

SDG Number: Hobbs NM

Login Number: 29966

List Number: 2

Creator: Pena, Jesiel

List Source: Eurofins Houston

List Creation: 06/24/23 01:34 PM

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



Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Beaux Jennings  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 6/30/2023 2:23:40 PM

## JOB DESCRIPTION

Levey Well Hobbs, NM - 03B1417001  
SDG NUMBER Hobbs NM

## JOB NUMBER

880-30042-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
6/30/2023 2:23:40 PM

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

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Laboratory Job ID: 880-30042-1  
SDG: Hobbs NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| Surrogate Summary . . . . .      | 8  |
| QC Sample Results . . . . .      | 9  |
| QC Association Summary . . . . . | 17 |
| Lab Chronicle . . . . .          | 19 |
| Certification Summary . . . . .  | 20 |
| Method Summary . . . . .         | 21 |
| Sample Summary . . . . .         | 22 |
| Chain of Custody . . . . .       | 23 |
| Receipt Checklists . . . . .     | 24 |

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

Definitions/Glossary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description                                      |
|-----------|------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased. |
| U         | Indicates the analyte was analyzed for but not detected.   |

HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

General Chemistry

| Qualifier | Qualifier Description                                                                                |
|-----------|------------------------------------------------------------------------------------------------------|
| HF        | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| U         | Indicates the analyte was analyzed for but not detected.                                             |

Glossary

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

## Case Narrative

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

**Job ID: 880-30042-1**

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative  
880-30042-1**

**Receipt**

The sample was received on 6/27/2023 10:13 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C

**GC/MS VOA**

Method 8260C: The continuing calibration verification (CCV) associated with batch 860-109976 recovered above the upper control limit for 1,2,4-Trichlorobenzene and Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 860-109976/2).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 860-109976 recovered outside control limits for the following analytes: 1,2,3-Trichlorobenzene, Naphthalene and 1,2-Dibromo-3-Chloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

**HPLC/IC**

Method 300\_ORGFM\_28D: The instrument blank/CCB for analytical batch 860-109981 contained Chloride greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been qualified and reported.

Method 300\_ORGFMS: The method blank for analytical batch 860-109982 contained Nitrite as N above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

**Metals**

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

**General Chemistry**

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



## Client Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-30042-1

Date Collected: 06/26/23 12:10

Matrix: Water

Date Received: 06/27/23 10:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                       | Result         | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|----------------|-----------|---------|---------------|---|----------|----------------|---------|
| <b>Benzene</b>                | <b>0.00257</b> |           | 0.00100 | 0.000460 mg/L |   |          | 06/28/23 19:36 | 1       |
| Bromobenzene                  | <0.000665 U    |           | 0.00100 | 0.000665 mg/L |   |          | 06/28/23 19:36 | 1       |
| Bromochloromethane            | <0.000657 U    |           | 0.00100 | 0.000657 mg/L |   |          | 06/28/23 19:36 | 1       |
| Bromodichloromethane          | <0.000552 U    |           | 0.00100 | 0.000552 mg/L |   |          | 06/28/23 19:36 | 1       |
| Bromoform                     | <0.000633 U    |           | 0.00500 | 0.000633 mg/L |   |          | 06/28/23 19:36 | 1       |
| Bromomethane                  | <0.00142 U     |           | 0.00500 | 0.00142 mg/L  |   |          | 06/28/23 19:36 | 1       |
| 2-Butanone                    | <0.00828 U     |           | 0.0500  | 0.00828 mg/L  |   |          | 06/28/23 19:36 | 1       |
| Carbon tetrachloride          | <0.000896 U    |           | 0.00500 | 0.000896 mg/L |   |          | 06/28/23 19:36 | 1       |
| Chlorobenzene                 | <0.000530 U    |           | 0.00100 | 0.000530 mg/L |   |          | 06/28/23 19:36 | 1       |
| Chloroethane                  | <0.00198 U     |           | 0.0100  | 0.00198 mg/L  |   |          | 06/28/23 19:36 | 1       |
| Chloroform                    | <0.000643 U    |           | 0.00100 | 0.000643 mg/L |   |          | 06/28/23 19:36 | 1       |
| Chloromethane                 | <0.00204 U     |           | 0.0100  | 0.00204 mg/L  |   |          | 06/28/23 19:36 | 1       |
| 2-Chlorotoluene               | <0.00118 U     |           | 0.00200 | 0.00118 mg/L  |   |          | 06/28/23 19:36 | 1       |
| 4-Chlorotoluene               | <0.000472 U    |           | 0.00100 | 0.000472 mg/L |   |          | 06/28/23 19:36 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 U    |           | 0.00100 | 0.000714 mg/L |   |          | 06/28/23 19:36 | 1       |
| cis-1,3-Dichloropropene       | <0.00107 U     |           | 0.00500 | 0.00107 mg/L  |   |          | 06/28/23 19:36 | 1       |
| Dibromochloromethane          | <0.000547 U    |           | 0.00500 | 0.000547 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127 U *   |           | 0.00500 | 0.00127 mg/L  |   |          | 06/28/23 19:36 | 1       |
| 1,2-Dibromoethane             | <0.000999 U    |           | 0.00500 | 0.000999 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 U    |           | 0.00100 | 0.000509 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 U    |           | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 U    |           | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 19:36 | 1       |
| Dichlorodifluoromethane       | <0.000919 U    |           | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,1-Dichloroethane            | <0.000635 U    |           | 0.00100 | 0.000635 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,2-Dichloroethane            | <0.000590 U    |           | 0.00100 | 0.000590 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,1-Dichloroethene            | <0.000738 U    |           | 0.00100 | 0.000738 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,2-Dichloropropane           | <0.000667 U    |           | 0.00500 | 0.000667 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,3-Dichloropropane           | <0.000514 U    |           | 0.00500 | 0.000514 mg/L |   |          | 06/28/23 19:36 | 1       |
| 2,2-Dichloropropane           | <0.000780 U    |           | 0.00500 | 0.000780 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,1-Dichloropropene           | <0.00160 U     |           | 0.00500 | 0.00160 mg/L  |   |          | 06/28/23 19:36 | 1       |
| <b>Ethylbenzene</b>           | <b>0.00872</b> |           | 0.00100 | 0.000411 mg/L |   |          | 06/28/23 19:36 | 1       |
| Hexachlorobutadiene           | <0.00126 U     |           | 0.00500 | 0.00126 mg/L  |   |          | 06/28/23 19:36 | 1       |
| <b>Isopropylbenzene</b>       | <b>0.00406</b> |           | 0.00100 | 0.000613 mg/L |   |          | 06/28/23 19:36 | 1       |
| Methylene Chloride            | <0.00173 U     |           | 0.00500 | 0.00173 mg/L  |   |          | 06/28/23 19:36 | 1       |
| <b>m,p-Xylenes</b>            | <b>0.0356</b>  |           | 0.0100  | 0.00124 mg/L  |   |          | 06/28/23 19:36 | 1       |
| MTBE                          | <0.00139 U     |           | 0.00500 | 0.00139 mg/L  |   |          | 06/28/23 19:36 | 1       |
| Naphthalene                   | <0.00135 U *   |           | 0.0100  | 0.00135 mg/L  |   |          | 06/28/23 19:36 | 1       |
| n-Butylbenzene                | <0.000644 U    |           | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 19:36 | 1       |
| <b>N-Propylbenzene</b>        | <b>0.00199</b> |           | 0.00100 | 0.000498 mg/L |   |          | 06/28/23 19:36 | 1       |
| <b>o-Xylene</b>               | <b>0.00591</b> |           | 0.00100 | 0.000551 mg/L |   |          | 06/28/23 19:36 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 U    |           | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 19:36 | 1       |
| sec-Butylbenzene              | <0.000468 U    |           | 0.00100 | 0.000468 mg/L |   |          | 06/28/23 19:36 | 1       |
| Styrene                       | <0.000655 U    |           | 0.00100 | 0.000655 mg/L |   |          | 06/28/23 19:36 | 1       |
| tert-Butylbenzene             | <0.000442 U    |           | 0.00100 | 0.000442 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 U    |           | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 U    |           | 0.00100 | 0.000470 mg/L |   |          | 06/28/23 19:36 | 1       |
| Tetrachloroethene             | <0.000801 U    |           | 0.00100 | 0.000801 mg/L |   |          | 06/28/23 19:36 | 1       |
| <b>Toluene</b>                | <b>0.0177</b>  |           | 0.00100 | 0.000475 mg/L |   |          | 06/28/23 19:36 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 U    |           | 0.00100 | 0.000945 mg/L |   |          | 06/28/23 19:36 | 1       |

Eurofins Midland

Client Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

Client Sample ID: Levey Well  
Date Collected: 06/26/23 12:10  
Date Received: 06/27/23 10:13

Lab Sample ID: 880-30042-1  
Matrix: Water

| Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued) |           |           |          |          |      |   |          |                |         |
|-----------------------------------------------------------------------|-----------|-----------|----------|----------|------|---|----------|----------------|---------|
| Analyte                                                               | Result    | Qualifier | RL       |          | Unit | D | Prepared | Analyzed       | Dil Fac |
| trans-1,3-Dichloropropene                                             | <0.00127  | U         | 0.00500  | 0.00127  | mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,2,3-Trichlorobenzene                                                | <0.00217  | U **      | 0.00500  | 0.00217  | mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,2,4-Trichlorobenzene                                                | <0.00175  | U         | 0.00500  | 0.00175  | mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,1,1-Trichloroethane                                                 | <0.00169  | U         | 0.00500  | 0.00169  | mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,1,2-Trichloroethane                                                 | <0.000511 | U         | 0.00100  | 0.000511 | mg/L |   |          | 06/28/23 19:36 | 1       |
| Trichloroethene                                                       | <0.000791 | U         | 0.00500  | 0.000791 | mg/L |   |          | 06/28/23 19:36 | 1       |
| Trichlorofluoromethane                                                | <0.000638 | U         | 0.00100  | 0.000638 | mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,2,3-Trichloropropane                                                | <0.000490 | U         | 0.00100  | 0.000490 | mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,2,4-Trimethylbenzene                                                | 0.00922   |           | 0.00100  | 0.000417 | mg/L |   |          | 06/28/23 19:36 | 1       |
| 1,3,5-Trimethylbenzene                                                | 0.00261   |           | 0.00100  | 0.000456 | mg/L |   |          | 06/28/23 19:36 | 1       |
| Vinyl chloride                                                        | <0.000638 | U         | 0.00200  | 0.000638 | mg/L |   |          | 06/28/23 19:36 | 1       |
| Xylenes, Total                                                        | 0.0415    |           | 0.0100   | 0.00124  | mg/L |   |          | 06/28/23 19:36 | 1       |
| Surrogate                                                             | %Recovery | Qualifier | Limits   |          |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)                                           | 93        |           | 74 - 124 |          |      |   |          | 06/28/23 19:36 | 1       |
| Dibromofluoromethane (Surr)                                           | 100       |           | 75 - 131 |          |      |   |          | 06/28/23 19:36 | 1       |
| 1,2-Dichloroethane-d4 (Surr)                                          | 102       |           | 63 - 144 |          |      |   |          | 06/28/23 19:36 | 1       |
| Toluene-d8 (Surr)                                                     | 101       |           | 80 - 120 |          |      |   |          | 06/28/23 19:36 | 1       |

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |       |        |      |   |          |                |         |
|------------------------------------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Analyte                                        | Result | Qualifier | RL    |        | Unit | D | Prepared | Analyzed       | Dil Fac |
| Bromide                                        | 0.327  | J         | 0.500 | 0.0711 | mg/L |   |          | 06/28/23 11:16 | 1       |
| Nitrate as N                                   | 0.0682 | J         | 0.100 | 0.0391 | mg/L |   |          | 06/28/23 11:16 | 1       |
| Chloride                                       | 218    |           | 0.500 | 0.250  | mg/L |   |          | 06/28/23 11:16 | 1       |
| Nitrite as N                                   | 2.51   | B         | 0.100 | 0.0293 | mg/L |   |          | 06/28/23 11:16 | 1       |
| Fluoride                                       | 0.301  | J         | 0.500 | 0.100  | mg/L |   |          | 06/28/23 11:16 | 1       |
| Sulfate                                        | 45.0   |           | 0.500 | 0.200  | mg/L |   |          | 06/28/23 11:16 | 1       |

| Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable |        |           |       |        |      |   |                |                |         |
|--------------------------------------------------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| Analyte                                                      | Result | Qualifier | RL    |        | Unit | D | Prepared       | Analyzed       | Dil Fac |
| Calcium                                                      | 260    |           | 10.0  | 5.76   | mg/L |   | 06/29/23 11:30 | 06/30/23 00:03 | 50      |
| Magnesium                                                    | 42.3   |           | 0.200 | 0.0428 | mg/L |   | 06/29/23 11:30 | 06/29/23 23:45 | 1       |
| Potassium                                                    | 3.70   |           | 0.500 | 0.0914 | mg/L |   | 06/29/23 11:30 | 06/29/23 23:45 | 1       |
| Sodium                                                       | 69.4   |           | 0.500 | 0.152  | mg/L |   | 06/29/23 11:30 | 06/29/23 23:45 | 1       |
| SiO2                                                         | 53.5   |           | 1.07  | 0.471  | mg/L |   | 06/29/23 11:30 | 06/29/23 23:45 | 1       |

| General Chemistry                          |        |           |      |      |           |   |          |                |         |
|--------------------------------------------|--------|-----------|------|------|-----------|---|----------|----------------|---------|
| Analyte                                    | Result | Qualifier | RL   |      | Unit      | D | Prepared | Analyzed       | Dil Fac |
| Anion/Cation Balance (SM 1030E)            | -8.99  |           |      |      | %         |   |          | 06/30/23 15:11 | 1       |
| Alkalinity (SM 2320B)                      | 719    |           | 4.00 | 4.00 | mg/L      |   |          | 06/28/23 16:17 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 719    |           | 4.00 | 4.00 | mg/L      |   |          | 06/28/23 16:17 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)   | <4.00  | U         | 4.00 | 4.00 | mg/L      |   |          | 06/28/23 16:17 | 1       |
| Hydroxide Alkalinity (SM 2320B)            | <4.00  | U         | 4.00 | 4.00 | mg/L      |   |          | 06/28/23 16:17 | 1       |
| Phenolphthalein Alkalinity (SM 2320B)      | <4.00  | U         | 4.00 | 4.00 | mg/L      |   |          | 06/28/23 16:17 | 1       |
| Total Dissolved Solids (SM 2540C)          | 1180   |           | 10.0 | 10.0 | mg/L      |   |          | 06/28/23 13:09 | 1       |
| pH (SM 4500 H+ B)                          | 6.5    | HF        |      |      | SU        |   |          | 06/28/23 15:52 | 1       |
| Temperature (SM 4500 H+ B)                 | 22.1   | HF        |      |      | Degrees C |   |          | 06/28/23 15:52 | 1       |

Eurofins Midland

Surrogate Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

Method: 8260C - Volatile Organic Compounds by GC/MS  
Matrix: Water

Prep Type: Total/NA

|                                    |                        | Percent Surrogate Recovery (Acceptance Limits) |          |          |          |
|------------------------------------|------------------------|------------------------------------------------|----------|----------|----------|
| Lab Sample ID                      | Client Sample ID       | BFB                                            | DBFM     | DCA      | TOL      |
|                                    |                        | (74-124)                                       | (75-131) | (63-144) | (80-120) |
| 880-30042-1                        | Levey Well             | 93                                             | 100      | 102      | 101      |
| LCS 860-109976/3                   | Lab Control Sample     | 101                                            | 101      | 101      | 101      |
| LCSD 860-109976/4                  | Lab Control Sample Dup | 103                                            | 108      | 100      | 102      |
| MB 860-109976/10                   | Method Blank           | 102                                            | 102      | 103      | 102      |
| Surrogate Legend                   |                        |                                                |          |          |          |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |                                                |          |          |          |
| DBFM = Dibromofluoromethane (Surr) |                        |                                                |          |          |          |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |                                                |          |          |          |
| TOL = Toluene-d8 (Surr)            |                        |                                                |          |          |          |

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-109976/10

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U            | 0.00100 | 0.000460 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromobenzene                  | <0.000665 | U            | 0.00100 | 0.000665 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromochloromethane            | <0.000657 | U            | 0.00100 | 0.000657 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromodichloromethane          | <0.000552 | U            | 0.00100 | 0.000552 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromoform                     | <0.000633 | U            | 0.00500 | 0.000633 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromomethane                  | <0.00142  | U            | 0.00500 | 0.00142 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 2-Butanone                    | <0.00828  | U            | 0.0500  | 0.00828 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Carbon tetrachloride          | <0.000896 | U            | 0.00500 | 0.000896 mg/L |   |          | 06/28/23 16:04 | 1       |
| Chlorobenzene                 | <0.000530 | U            | 0.00100 | 0.000530 mg/L |   |          | 06/28/23 16:04 | 1       |
| Chloroethane                  | <0.00198  | U            | 0.0100  | 0.00198 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Chloroform                    | <0.000643 | U            | 0.00100 | 0.000643 mg/L |   |          | 06/28/23 16:04 | 1       |
| Chloromethane                 | <0.00204  | U            | 0.0100  | 0.00204 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 2-Chlorotoluene               | <0.00118  | U            | 0.00200 | 0.00118 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 4-Chlorotoluene               | <0.000472 | U            | 0.00100 | 0.000472 mg/L |   |          | 06/28/23 16:04 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U            | 0.00100 | 0.000714 mg/L |   |          | 06/28/23 16:04 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U            | 0.00500 | 0.00107 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Dibromochloromethane          | <0.000547 | U            | 0.00500 | 0.000547 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U            | 0.00500 | 0.000999 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U            | 0.00100 | 0.000509 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 16:04 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U            | 0.00100 | 0.000635 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U            | 0.00100 | 0.000590 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U            | 0.00100 | 0.000738 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U            | 0.00500 | 0.000667 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U            | 0.00500 | 0.000514 mg/L |   |          | 06/28/23 16:04 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U            | 0.00500 | 0.000780 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U            | 0.00500 | 0.00160 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Ethylbenzene                  | <0.000411 | U            | 0.00100 | 0.000411 mg/L |   |          | 06/28/23 16:04 | 1       |
| Hexachlorobutadiene           | <0.00126  | U            | 0.00500 | 0.00126 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Isopropylbenzene              | <0.000613 | U            | 0.00100 | 0.000613 mg/L |   |          | 06/28/23 16:04 | 1       |
| Methylene Chloride            | <0.00173  | U            | 0.00500 | 0.00173 mg/L  |   |          | 06/28/23 16:04 | 1       |
| m,p-Xylenes                   | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/28/23 16:04 | 1       |
| MTBE                          | <0.00139  | U            | 0.00500 | 0.00139 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Naphthalene                   | <0.00135  | U            | 0.0100  | 0.00135 mg/L  |   |          | 06/28/23 16:04 | 1       |
| n-Butylbenzene                | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 16:04 | 1       |
| N-Propylbenzene               | <0.000498 | U            | 0.00100 | 0.000498 mg/L |   |          | 06/28/23 16:04 | 1       |
| o-Xylene                      | <0.000551 | U            | 0.00100 | 0.000551 mg/L |   |          | 06/28/23 16:04 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 16:04 | 1       |
| sec-Butylbenzene              | <0.000468 | U            | 0.00100 | 0.000468 mg/L |   |          | 06/28/23 16:04 | 1       |
| Styrene                       | <0.000655 | U            | 0.00100 | 0.000655 mg/L |   |          | 06/28/23 16:04 | 1       |
| tert-Butylbenzene             | <0.000442 | U            | 0.00100 | 0.000442 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U            | 0.00100 | 0.000470 mg/L |   |          | 06/28/23 16:04 | 1       |
| Tetrachloroethene             | <0.000801 | U            | 0.00100 | 0.000801 mg/L |   |          | 06/28/23 16:04 | 1       |
| Toluene                       | <0.000475 | U            | 0.00100 | 0.000475 mg/L |   |          | 06/28/23 16:04 | 1       |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-109976/10

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.000945 | U            | 0.00100 | 0.000945 mg/L |   |          | 06/28/23 16:04 | 1       |
| trans-1,3-Dichloropropene | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U            | 0.00500 | 0.00217 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U            | 0.00500 | 0.00175 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U            | 0.00500 | 0.00169 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U            | 0.00100 | 0.000511 mg/L |   |          | 06/28/23 16:04 | 1       |
| Trichloroethene           | <0.000791 | U            | 0.00500 | 0.000791 mg/L |   |          | 06/28/23 16:04 | 1       |
| Trichlorofluoromethane    | <0.000638 | U            | 0.00100 | 0.000638 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U            | 0.00100 | 0.000490 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U            | 0.00100 | 0.000417 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U            | 0.00100 | 0.000456 mg/L |   |          | 06/28/23 16:04 | 1       |
| Vinyl chloride            | <0.000638 | U            | 0.00200 | 0.000638 mg/L |   |          | 06/28/23 16:04 | 1       |
| Xylenes, Total            | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/28/23 16:04 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 102          |              | 74 - 124 |          | 06/28/23 16:04 | 1       |
| Dibromofluoromethane (Surr)  | 102          |              | 75 - 131 |          | 06/28/23 16:04 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103          |              | 63 - 144 |          | 06/28/23 16:04 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 80 - 120 |          | 06/28/23 16:04 | 1       |

Lab Sample ID: LCS 860-109976/3

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene                     | 0.0500      | 0.05460    |               | mg/L |   | 109  | 75 - 125    |
| Bromobenzene                | 0.0500      | 0.05549    |               | mg/L |   | 111  | 75 - 125    |
| Bromochloromethane          | 0.0500      | 0.05531    |               | mg/L |   | 111  | 60 - 140    |
| Bromodichloromethane        | 0.0500      | 0.05296    |               | mg/L |   | 106  | 75 - 125    |
| Bromoform                   | 0.0500      | 0.05464    |               | mg/L |   | 109  | 70 - 130    |
| Bromomethane                | 0.0500      | 0.04294    |               | mg/L |   | 86   | 60 - 140    |
| 2-Butanone                  | 0.250       | 0.2474     |               | mg/L |   | 99   | 60 - 140    |
| Carbon tetrachloride        | 0.0500      | 0.05286    |               | mg/L |   | 106  | 70 - 130    |
| Chlorobenzene               | 0.0500      | 0.05463    |               | mg/L |   | 109  | 65 - 135    |
| Chloroethane                | 0.0500      | 0.04538    |               | mg/L |   | 91   | 60 - 140    |
| Chloroform                  | 0.0500      | 0.05477    |               | mg/L |   | 110  | 70 - 121    |
| Chloromethane               | 0.0500      | 0.04533    |               | mg/L |   | 91   | 60 - 140    |
| 2-Chlorotoluene             | 0.0500      | 0.05698    |               | mg/L |   | 114  | 73 - 125    |
| 4-Chlorotoluene             | 0.0500      | 0.05513    |               | mg/L |   | 110  | 74 - 125    |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05433    |               | mg/L |   | 109  | 75 - 125    |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05481    |               | mg/L |   | 110  | 74 - 125    |
| Dibromochloromethane        | 0.0500      | 0.05288    |               | mg/L |   | 106  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.06277    | *+            | mg/L |   | 126  | 59 - 125    |
| 1,2-Dibromoethane           | 0.0500      | 0.05397    |               | mg/L |   | 108  | 73 - 125    |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05700    |               | mg/L |   | 114  | 75 - 125    |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05776    |               | mg/L |   | 116  | 75 - 125    |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05641    |               | mg/L |   | 113  | 75 - 125    |
| Dichlorodifluoromethane     | 0.0500      | 0.04639    |               | mg/L |   | 93   | 50 - 150    |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-109976/3

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1-Dichloroethane            | 0.0500      | 0.05453    |               | mg/L |   | 109  | 70 - 130    |
| 1,2-Dichloroethane            | 0.0500      | 0.05505    |               | mg/L |   | 110  | 72 - 130    |
| 1,1-Dichloroethene            | 0.0500      | 0.05378    |               | mg/L |   | 108  | 50 - 150    |
| 1,2-Dichloropropane           | 0.0500      | 0.05480    |               | mg/L |   | 110  | 74 - 125    |
| 1,3-Dichloropropane           | 0.0500      | 0.05362    |               | mg/L |   | 107  | 75 - 125    |
| 2,2-Dichloropropane           | 0.0500      | 0.05192    |               | mg/L |   | 104  | 75 - 125    |
| 1,1-Dichloropropene           | 0.0500      | 0.05580    |               | mg/L |   | 112  | 75 - 125    |
| Ethylbenzene                  | 0.0500      | 0.05510    |               | mg/L |   | 110  | 75 - 125    |
| Hexachlorobutadiene           | 0.0500      | 0.05775    |               | mg/L |   | 115  | 75 - 125    |
| Isopropylbenzene              | 0.0500      | 0.05556    |               | mg/L |   | 111  | 75 - 125    |
| Methylene Chloride            | 0.0500      | 0.04973    |               | mg/L |   | 99   | 71 - 125    |
| m,p-Xylenes                   | 0.0500      | 0.05641    |               | mg/L |   | 113  | 75 - 125    |
| MTBE                          | 0.0500      | 0.05344    |               | mg/L |   | 107  | 65 - 135    |
| Naphthalene                   | 0.0500      | 0.07472    | *+            | mg/L |   | 149  | 70 - 130    |
| n-Butylbenzene                | 0.0500      | 0.05770    |               | mg/L |   | 115  | 75 - 125    |
| N-Propylbenzene               | 0.0500      | 0.05771    |               | mg/L |   | 115  | 75 - 125    |
| o-Xylene                      | 0.0500      | 0.05556    |               | mg/L |   | 111  | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05786    |               | mg/L |   | 116  | 75 - 125    |
| sec-Butylbenzene              | 0.0500      | 0.05700    |               | mg/L |   | 114  | 75 - 125    |
| Styrene                       | 0.0500      | 0.05677    |               | mg/L |   | 114  | 75 - 125    |
| tert-Butylbenzene             | 0.0500      | 0.05705    |               | mg/L |   | 114  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05415    |               | mg/L |   | 108  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05657    |               | mg/L |   | 113  | 74 - 125    |
| Tetrachloroethene             | 0.0500      | 0.05485    |               | mg/L |   | 110  | 71 - 125    |
| Toluene                       | 0.0500      | 0.05383    |               | mg/L |   | 108  | 70 - 130    |
| trans-1,2-Dichloroethene      | 0.0500      | 0.05401    |               | mg/L |   | 108  | 75 - 125    |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05447    |               | mg/L |   | 109  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.07036    | *+            | mg/L |   | 141  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.06448    |               | mg/L |   | 129  | 75 - 135    |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05381    |               | mg/L |   | 108  | 70 - 130    |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05342    |               | mg/L |   | 107  | 70 - 130    |
| Trichloroethene               | 0.0500      | 0.05391    |               | mg/L |   | 108  | 75 - 135    |
| Trichlorofluoromethane        | 0.0500      | 0.04854    |               | mg/L |   | 97   | 60 - 140    |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05635    |               | mg/L |   | 113  | 75 - 125    |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05785    |               | mg/L |   | 116  | 75 - 125    |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05654    |               | mg/L |   | 113  | 60 - 140    |
| Vinyl chloride                | 0.0500      | 0.04514    |               | mg/L |   | 90   | 60 - 140    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 101           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 101           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 101           |               | 63 - 144 |
| Toluene-d8 (Surr)            | 101           |               | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109976/4

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
|                               |             |             |                |      |   |      |             |     |           |
| Benzene                       | 0.0500      | 0.05085     |                | mg/L |   | 102  | 75 - 125    | 7   | 25        |
| Bromobenzene                  | 0.0500      | 0.05376     |                | mg/L |   | 108  | 75 - 125    | 3   | 25        |
| Bromochloromethane            | 0.0500      | 0.05655     |                | mg/L |   | 113  | 60 - 140    | 2   | 25        |
| Bromodichloromethane          | 0.0500      | 0.04850     |                | mg/L |   | 97   | 75 - 125    | 9   | 25        |
| Bromoform                     | 0.0500      | 0.05151     |                | mg/L |   | 103  | 70 - 130    | 6   | 25        |
| Bromomethane                  | 0.0500      | 0.04536     |                | mg/L |   | 91   | 60 - 140    | 5   | 25        |
| 2-Butanone                    | 0.250       | 0.2601      |                | mg/L |   | 104  | 60 - 140    | 5   | 25        |
| Carbon tetrachloride          | 0.0500      | 0.05423     |                | mg/L |   | 108  | 70 - 130    | 3   | 25        |
| Chlorobenzene                 | 0.0500      | 0.05171     |                | mg/L |   | 103  | 65 - 135    | 5   | 25        |
| Chloroethane                  | 0.0500      | 0.04958     |                | mg/L |   | 99   | 60 - 140    | 9   | 25        |
| Chloroform                    | 0.0500      | 0.05577     |                | mg/L |   | 112  | 70 - 121    | 2   | 25        |
| Chloromethane                 | 0.0500      | 0.04804     |                | mg/L |   | 96   | 60 - 140    | 6   | 25        |
| 2-Chlorotoluene               | 0.0500      | 0.05266     |                | mg/L |   | 105  | 73 - 125    | 8   | 25        |
| 4-Chlorotoluene               | 0.0500      | 0.05334     |                | mg/L |   | 107  | 74 - 125    | 3   | 25        |
| cis-1,2-Dichloroethene        | 0.0500      | 0.05568     |                | mg/L |   | 111  | 75 - 125    | 2   | 25        |
| cis-1,3-Dichloropropene       | 0.0500      | 0.05066     |                | mg/L |   | 101  | 74 - 125    | 8   | 25        |
| Dibromochloromethane          | 0.0500      | 0.05022     |                | mg/L |   | 100  | 73 - 125    | 5   | 25        |
| 1,2-Dibromo-3-Chloropropane   | 0.0500      | 0.06277     | *+             | mg/L |   | 126  | 59 - 125    | 0   | 25        |
| 1,2-Dibromoethane             | 0.0500      | 0.05129     |                | mg/L |   | 103  | 73 - 125    | 5   | 25        |
| 1,2-Dichlorobenzene           | 0.0500      | 0.05615     |                | mg/L |   | 112  | 75 - 125    | 2   | 25        |
| 1,3-Dichlorobenzene           | 0.0500      | 0.05608     |                | mg/L |   | 112  | 75 - 125    | 3   | 25        |
| 1,4-Dichlorobenzene           | 0.0500      | 0.05503     |                | mg/L |   | 110  | 75 - 125    | 2   | 25        |
| Dichlorodifluoromethane       | 0.0500      | 0.04870     |                | mg/L |   | 97   | 50 - 150    | 5   | 25        |
| 1,1-Dichloroethane            | 0.0500      | 0.05529     |                | mg/L |   | 111  | 70 - 130    | 1   | 25        |
| 1,2-Dichloroethane            | 0.0500      | 0.05014     |                | mg/L |   | 100  | 72 - 130    | 9   | 25        |
| 1,1-Dichloroethene            | 0.0500      | 0.05484     |                | mg/L |   | 110  | 50 - 150    | 2   | 25        |
| 1,2-Dichloropropane           | 0.0500      | 0.05013     |                | mg/L |   | 100  | 74 - 125    | 9   | 25        |
| 1,3-Dichloropropane           | 0.0500      | 0.05107     |                | mg/L |   | 102  | 75 - 125    | 5   | 25        |
| 2,2-Dichloropropane           | 0.0500      | 0.05509     |                | mg/L |   | 110  | 75 - 125    | 6   | 25        |
| 1,1-Dichloropropene           | 0.0500      | 0.05717     |                | mg/L |   | 114  | 75 - 125    | 2   | 25        |
| Ethylbenzene                  | 0.0500      | 0.05288     |                | mg/L |   | 106  | 75 - 125    | 4   | 25        |
| Hexachlorobutadiene           | 0.0500      | 0.05826     |                | mg/L |   | 117  | 75 - 125    | 1   | 25        |
| Isopropylbenzene              | 0.0500      | 0.05383     |                | mg/L |   | 108  | 75 - 125    | 3   | 25        |
| Methylene Chloride            | 0.0500      | 0.05063     |                | mg/L |   | 101  | 71 - 125    | 2   | 25        |
| m,p-Xylenes                   | 0.0500      | 0.05332     |                | mg/L |   | 107  | 75 - 125    | 6   | 25        |
| MTBE                          | 0.0500      | 0.05509     |                | mg/L |   | 110  | 65 - 135    | 3   | 25        |
| Naphthalene                   | 0.0500      | 0.07814     | *+             | mg/L |   | 156  | 70 - 130    | 4   | 25        |
| n-Butylbenzene                | 0.0500      | 0.05729     |                | mg/L |   | 115  | 75 - 125    | 1   | 25        |
| N-Propylbenzene               | 0.0500      | 0.05637     |                | mg/L |   | 113  | 75 - 125    | 2   | 25        |
| o-Xylene                      | 0.0500      | 0.05294     |                | mg/L |   | 106  | 75 - 125    | 5   | 25        |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05693     |                | mg/L |   | 114  | 75 - 125    | 2   | 25        |
| sec-Butylbenzene              | 0.0500      | 0.05604     |                | mg/L |   | 112  | 75 - 125    | 2   | 25        |
| Styrene                       | 0.0500      | 0.05377     |                | mg/L |   | 108  | 75 - 125    | 5   | 25        |
| tert-Butylbenzene             | 0.0500      | 0.05645     |                | mg/L |   | 113  | 75 - 125    | 1   | 25        |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05100     |                | mg/L |   | 102  | 72 - 125    | 6   | 25        |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05566     |                | mg/L |   | 111  | 74 - 125    | 2   | 25        |
| Tetrachloroethene             | 0.0500      | 0.05172     |                | mg/L |   | 103  | 71 - 125    | 6   | 25        |
| Toluene                       | 0.0500      | 0.05127     |                | mg/L |   | 103  | 70 - 130    | 5   | 25        |

Eurofins Midland



## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109976/4

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.05463     |                | mg/L |   | 109  | 75 - 125    | 1   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05215     |                | mg/L |   | 104  | 66 - 125    | 4   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.07299     | *+             | mg/L |   | 146  | 75 - 137    | 4   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.06507     |                | mg/L |   | 130  | 75 - 135    | 1   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05429     |                | mg/L |   | 109  | 70 - 130    | 1   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05119     |                | mg/L |   | 102  | 70 - 130    | 4   | 25        |
| Trichloroethene           | 0.0500      | 0.04901     |                | mg/L |   | 98   | 75 - 135    | 10  | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.05375     |                | mg/L |   | 107  | 60 - 140    | 10  | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05661     |                | mg/L |   | 113  | 75 - 125    | 0   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05714     |                | mg/L |   | 114  | 75 - 125    | 1   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.04989     |                | mg/L |   | 100  | 60 - 140    | 13  | 25        |
| Vinyl chloride            | 0.0500      | 0.04973     |                | mg/L |   | 99   | 60 - 140    | 10  | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 103            |                | 74 - 124 |
| Dibromofluoromethane (Surr)  | 108            |                | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 100            |                | 63 - 144 |
| Toluene-d8 (Surr)            | 102            |                | 80 - 120 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-109981/7

Matrix: Water

Analysis Batch: 109981

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Bromide  | <0.0711   | U            | 0.500 | 0.0711 mg/L |   |          | 06/28/23 11:26 | 1       |
| Chloride | <0.250    | U            | 0.500 | 0.250 mg/L  |   |          | 06/28/23 11:26 | 1       |
| Fluoride | <0.100    | U            | 0.500 | 0.100 mg/L  |   |          | 06/28/23 11:26 | 1       |
| Sulfate  | <0.200    | U            | 0.500 | 0.200 mg/L  |   |          | 06/28/23 11:26 | 1       |

Lab Sample ID: LCS 860-109981/8

Matrix: Water

Analysis Batch: 109981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Bromide  | 10.0        | 9.472      |               | mg/L |   | 95   | 90 - 110    |
| Chloride | 10.0        | 9.656      |               | mg/L |   | 97   | 90 - 110    |
| Fluoride | 10.0        | 10.03      |               | mg/L |   | 100  | 90 - 110    |
| Sulfate  | 10.0        | 9.465      |               | mg/L |   | 95   | 90 - 110    |

Lab Sample ID: LCSD 860-109981/9

Matrix: Water

Analysis Batch: 109981

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Bromide  | 10.0        | 9.544       |                | mg/L |   | 95   | 90 - 110    | 1   | 20        |
| Chloride | 10.0        | 9.742       |                | mg/L |   | 97   | 90 - 110    | 1   | 20        |
| Fluoride | 10.0        | 10.10       |                | mg/L |   | 101  | 90 - 110    | 1   | 20        |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-109981/9

Matrix: Water

Analysis Batch: 109981

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfate | 10.0        | 9.566       |                | mg/L |   | 96   | 90 - 110    | 1   | 20        |

Lab Sample ID: LLCS 860-109981/11

Matrix: Water

Analysis Batch: 109981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|----------|-------------|-------------|----------------|------|---|------|-------------|--|--|
| Bromide  | 0.500       | 0.4226      | J              | mg/L |   | 85   | 50 - 150    |  |  |
| Chloride | 0.500       | 0.4797      | J              | mg/L |   | 96   | 50 - 150    |  |  |
| Fluoride | 0.500       | 0.3520      | J              | mg/L |   | 70   | 50 - 150    |  |  |
| Sulfate  | 0.500       | 0.3903      | J              | mg/L |   | 78   | 50 - 150    |  |  |

Lab Sample ID: MB 860-109982/7

Matrix: Water

Analysis Batch: 109982

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Nitrate as N | <0.0391   | U            | 0.100 | 0.0391 mg/L |   |          | 06/28/23 11:26 | 1       |
| Nitrite as N | 0.06279   | J            | 0.100 | 0.0293 mg/L |   |          | 06/28/23 11:26 | 1       |

Lab Sample ID: LCS 860-109982/8

Matrix: Water

Analysis Batch: 109982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|--------------|-------------|------------|---------------|------|---|------|-------------|--|--|
| Nitrate as N | 10.0        | 9.789      |               | mg/L |   | 98   | 80 - 120    |  |  |
| Nitrite as N | 10.0        | 9.728      |               | mg/L |   | 97   | 80 - 120    |  |  |

Lab Sample ID: LCSD 860-109982/9

Matrix: Water

Analysis Batch: 109982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 10.0        | 9.878       |                | mg/L |   | 99   | 80 - 120    | 1   | 20        |
| Nitrite as N | 10.0        | 9.845       |                | mg/L |   | 98   | 80 - 120    | 1   | 20        |

Lab Sample ID: LLCS 860-109982/10

Matrix: Water

Analysis Batch: 109982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|--------------|-------------|-------------|----------------|------|---|------|-------------|--|--|
| Nitrate as N | 0.100       | 0.09222     | J              | mg/L |   | 92   | 50 - 150    |  |  |
| Nitrite as N | 0.100       | 0.06754     | J              | mg/L |   | 68   | 50 - 150    |  |  |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-110225/1-A

Matrix: Water

Analysis Batch: 110386

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 110225

| Analyte   | MB<br>Result | MB<br>Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------------|-----------------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | <0.115       | U               | 0.200 | 0.115 mg/L  |   | 06/29/23 11:30 | 06/29/23 20:10 | 1       |
| Magnesium | <0.0428      | U               | 0.200 | 0.0428 mg/L |   | 06/29/23 11:30 | 06/29/23 20:10 | 1       |
| Potassium | <0.0914      | U               | 0.500 | 0.0914 mg/L |   | 06/29/23 11:30 | 06/29/23 20:10 | 1       |
| Sodium    | <0.152       | U               | 0.500 | 0.152 mg/L  |   | 06/29/23 11:30 | 06/29/23 20:10 | 1       |
| SiO2      | <0.471       | U               | 1.07  | 0.471 mg/L  |   | 06/29/23 11:30 | 06/29/23 20:10 | 1       |

Lab Sample ID: LCS 860-110225/2-A

Matrix: Water

Analysis Batch: 110386

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 110225

| Analyte   | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|-----------|----------------|---------------|------------------|------|---|------|----------------|
| Calcium   | 25.0           | 24.10         |                  | mg/L |   | 96   | 85 - 115       |
| Magnesium | 25.0           | 23.10         |                  | mg/L |   | 92   | 85 - 115       |
| Potassium | 10.0           | 9.610         |                  | mg/L |   | 96   | 85 - 115       |
| Sodium    | 25.0           | 24.10         |                  | mg/L |   | 96   | 85 - 115       |
| SiO2      | 21.4           | 20.52         |                  | mg/L |   | 96   | 85 - 115       |

Lab Sample ID: LCSD 860-110225/3-A

Matrix: Water

Analysis Batch: 110386

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 110225

| Analyte   | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Calcium   | 25.0           | 24.20          |                   | mg/L |   | 97   | 85 - 115       | 0   | 20           |
| Magnesium | 25.0           | 23.30          |                   | mg/L |   | 93   | 85 - 115       | 1   | 20           |
| Potassium | 10.0           | 9.730          |                   | mg/L |   | 97   | 85 - 115       | 1   | 20           |
| Sodium    | 25.0           | 24.20          |                   | mg/L |   | 97   | 85 - 115       | 0   | 20           |
| SiO2      | 21.4           | 20.65          |                   | mg/L |   | 97   | 85 - 115       | 1   | 20           |

Lab Sample ID: LLCS 860-110225/4-A

Matrix: Water

Analysis Batch: 110386

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 110225

| Analyte   | Spike<br>Added | LLCS<br>Result | LLCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|-----------|----------------|----------------|-------------------|------|---|------|----------------|
| Calcium   | 0.200          | 0.1950         | J                 | mg/L |   | 98   | 50 - 150       |
| Magnesium | 0.200          | 0.1660         | J                 | mg/L |   | 83   | 50 - 150       |
| Potassium | 0.500          | 0.4390         | J                 | mg/L |   | 88   | 50 - 150       |
| Sodium    | 0.500          | 0.4140         | J                 | mg/L |   | 83   | 50 - 150       |
| SiO2      | 1.07           | 0.9609         | J                 | mg/L |   | 90   | 50 - 150       |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-110074/3

Matrix: Water

Analysis Batch: 110074

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                         | MB<br>Result | MB<br>Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------------|-----------------|------|-----------|---|----------|----------------|---------|
| Alkalinity                      | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 06/28/23 12:07 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 06/28/23 12:07 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 06/28/23 12:07 | 1       |
| Hydroxide Alkalinity            | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 06/28/23 12:07 | 1       |

Eurofins Midland

## QC Sample Results

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

## Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-110074/3

Matrix: Water

Analysis Batch: 110074

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                    | MB<br>Result | MB<br>Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------------|-----------------|------|-----------|---|----------|----------------|---------|
| Phenolphthalein Alkalinity | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 06/28/23 12:07 | 1       |

Lab Sample ID: LCS 860-110074/4

Matrix: Water

Analysis Batch: 110074

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------|----------------|---------------|------------------|------|---|------|----------------|
| Alkalinity | 250            | 251.3         |                  | mg/L |   | 101  | 85 - 115       |

Lab Sample ID: LCSD 860-110074/5

Matrix: Water

Analysis Batch: 110074

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte    | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Alkalinity | 250            | 250.2          |                   | mg/L |   | 100  | 85 - 115       | 0   | 20           |

## Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-110018/1

Matrix: Water

Analysis Batch: 110018

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                | MB<br>Result | MB<br>Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------------|-----------------|------|-----------|---|----------|----------------|---------|
| Total Dissolved Solids | <5.00        | U               | 5.00 | 5.00 mg/L |   |          | 06/28/23 13:09 | 1       |

Lab Sample ID: LCS 860-110018/2

Matrix: Water

Analysis Batch: 110018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------------------|----------------|---------------|------------------|------|---|------|----------------|
| Total Dissolved Solids | 1000           | 1011          |                  | mg/L |   | 101  | 80 - 120       |

Lab Sample ID: LCSD 860-110018/3

Matrix: Water

Analysis Batch: 110018

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|------------------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Total Dissolved Solids | 1000           | 1009           |                   | mg/L |   | 101  | 80 - 120       | 0   | 10           |

Lab Sample ID: LLCS 860-110018/4

Matrix: Water

Analysis Batch: 110018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                | Spike<br>Added | LLCS<br>Result | LLCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------------------|----------------|----------------|-------------------|------|---|------|----------------|
| Total Dissolved Solids | 5.00           | 6.000          |                   | mg/L |   | 120  | 50 - 150       |

Eurofins Midland

## QC Association Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

## GC/MS VOA

## Analysis Batch: 109976

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-30042-1       | Levey Well             | Total/NA  | Water  | 8260C  |            |
| MB 860-109976/10  | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-109976/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-109976/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## HPLC/IC

## Analysis Batch: 109981

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-30042-1        | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-109981/7    | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-109981/8   | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-109981/9  | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-109981/11 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 109982

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-30042-1        | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-109982/7    | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-109982/8   | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-109982/9  | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-109982/10 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

## Metals

## Prep Batch: 110225

| Lab Sample ID       | Client Sample ID       | Prep Type         | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|--------|------------|
| 880-30042-1         | Levey Well             | Total Recoverable | Water  | 200.7  |            |
| MB 860-110225/1-A   | Method Blank           | Total Recoverable | Water  | 200.7  |            |
| LCS 860-110225/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |
| LCSD 860-110225/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7  |            |
| LLCS 860-110225/4-A | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |

## Analysis Batch: 110386

| Lab Sample ID       | Client Sample ID       | Prep Type         | Matrix | Method        | Prep Batch |
|---------------------|------------------------|-------------------|--------|---------------|------------|
| 880-30042-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 110225     |
| 880-30042-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 110225     |
| MB 860-110225/1-A   | Method Blank           | Total Recoverable | Water  | 200.7 Rev 4.4 | 110225     |
| LCS 860-110225/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 110225     |
| LCSD 860-110225/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7 Rev 4.4 | 110225     |
| LLCS 860-110225/4-A | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 110225     |

## General Chemistry

## Analysis Batch: 110018

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-30042-1       | Levey Well             | Total/NA  | Water  | SM 2540C |            |
| MB 860-110018/1   | Method Blank           | Total/NA  | Water  | SM 2540C |            |
| LCS 860-110018/2  | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |
| LCSD 860-110018/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2540C |            |
| LLCS 860-110018/4 | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |

Eurofins Midland

QC Association Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

General Chemistry

Analysis Batch: 110074

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-30042-1       | Levey Well             | Total/NA  | Water  | SM 2320B |            |
| MB 860-110074/3   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-110074/4  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-110074/5 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 110075

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-30042-1   | Levey Well       | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 110498

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-30042-1   | Levey Well       | Total/NA  | Water  | SM 1030E |            |

Lab Chronicle

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-30042-1

Date Collected: 06/26/23 12:10

Matrix: Water

Date Received: 06/27/23 10:13

| Prep Type         | Batch Type | Batch Method  | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|---------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260C         |     | 1               | 109976       | AN      | EET HOU | 06/28/23 19:36       |
| Total/NA          | Analysis   | 300.0         |     | 1               | 109981       | RBNS    | EET HOU | 06/28/23 11:16       |
| Total/NA          | Analysis   | 300.0         |     | 1               | 109982       | RBNS    | EET HOU | 06/28/23 11:16       |
| Total Recoverable | Prep       | 200.7         |     |                 | 110225       | MD      | EET HOU | 06/29/23 11:30       |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 1               | 110386       | JDM     | EET HOU | 06/29/23 23:45       |
| Total Recoverable | Prep       | 200.7         |     |                 | 110225       | MD      | EET HOU | 06/29/23 11:30       |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 50              | 110386       | JDM     | EET HOU | 06/30/23 00:03       |
| Total/NA          | Analysis   | SM 1030E      |     | 1               | 110498       | MC      | EET HOU | 06/30/23 15:11       |
| Total/NA          | Analysis   | SM 2320B      |     | 1               | 110074       | TL      | EET HOU | 06/28/23 16:17       |
| Total/NA          | Analysis   | SM 2540C      |     | 1               | 110018       | OH      | EET HOU | 06/28/23 13:09       |
| Total/NA          | Analysis   | SM 4500 H+ B  |     | 1               | 110075       | TL      | EET HOU | 06/28/23 15:52       |

Laboratory References:  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200



Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

Laboratory: Eurofins Houston

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

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|---------------------------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704215-23-50      | 06-30-23                        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte                         |
| SM 1030E                                                                                                                                                                                              |             | Water                 | Anion/Cation Balance            |
| SM 2320B                                                                                                                                                                                              |             | Water                 | Bicarbonate Alkalinity as CaCO3 |
| SM 2320B                                                                                                                                                                                              |             | Water                 | Carbonate Alkalinity as CaCO3   |
| SM 2320B                                                                                                                                                                                              |             | Water                 | Hydroxide Alkalinity            |
| SM 2320B                                                                                                                                                                                              |             | Water                 | Phenolphthalein Alkalinity      |
| SM 4500 H+ B                                                                                                                                                                                          |             | Water                 | Temperature                     |

Method Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

| Method        | Method Description                    | Protocol | Laboratory |
|---------------|---------------------------------------|----------|------------|
| 8260C         | Volatile Organic Compounds by GC/MS   | SW846    | EET HOU    |
| 300.0         | Anions, Ion Chromatography            | EPA      | EET HOU    |
| 200.7 Rev 4.4 | Metals (ICP)                          | EPA      | EET HOU    |
| SM 1030E      | Cation Anion Balance                  | SM       | EET HOU    |
| SM 2320B      | Alkalinity                            | SM       | EET HOU    |
| SM 2540C      | Solids, Total Dissolved (TDS)         | SM       | EET HOU    |
| SM 4500 H+ B  | pH                                    | SM       | EET HOU    |
| 200.7         | Preparation, Total Recoverable Metals | EPA      | EET HOU    |
| 5030C         | Purge and Trap                        | SW846    | EET HOU    |

**Protocol References:**  
EPA = US Environmental Protection Agency  
SM = "Standard Methods For The Examination Of Water And Wastewater"  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

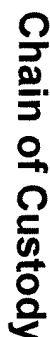
Sample Summary

Client: Ensolum  
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-30042-1  
SDG: Hobbs NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-30042-1   | Levey Well       | Water  | 06/26/23 12:10 | 06/27/23 10:13 |

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



Work Order No: 36042

www.xenco.com Page 1 of 1

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

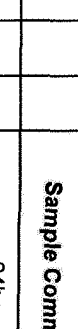
State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other ☐

[illegible][illegible]

| Sample Identification |  | Matrix | Date Sampled | Time Sampled | Depth | Number | VOCs | Anions: | Cations: | pH | Alkalinity | TDS | Sample Comments |  |
|-----------------------|--|--------|--------------|--------------|-------|--------|------|---------|----------|----|------------|-----|-----------------|--|
| Levey Well            |  | GW     | 6-26-23      | 12:10        | -     | 7      | X    | X       | X        | X  | X          | X   | 24hr            |  |
|                       |  |        |              |              |       |        |      |         |          |    |            |     |                 |  |



880-30042 Chain of Custody



880-30042 Chain of Custody

**Total 200.7 / 6010      200.8 / 6020:**

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

ICLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature)                                                      | Received by: (Signature)                                                         | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------|-----------------------------|-------------------------|-----------|
| 1  |  | 6/27/23   | 2                           |                         |           |
| 2                                                                                 |                                                                                  | 10/13     | 4                           |                         |           |
| 3                                                                                 |                                                                                  |           | 6                           |                         |           |
| 4                                                                                 |                                                                                  |           |                             |                         |           |
| 5                                                                                 |                                                                                  |           |                             |                         |           |

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-30042-1

SDG Number: Hobbs NM

Login Number: 30042

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-30042-1

SDG Number: Hobbs NM

Login Number: 30042

List Number: 2

Creator: Canadilla, Surelis

List Source: Eurofins Houston

List Creation: 06/28/23 10:10 AM

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



## ANALYTICAL REPORT

June 19, 2023

**Ensolum, LLC**

Sample Delivery Group: L1626392  
Samples Received: 06/15/2023  
Project Number: 03B1417001  
Description: Levey Well  
Site: 03B1417001  
Report To: Beaux Jennings  
601 N Marienfeld Street, Ste. 400  
Midland, TX 79701

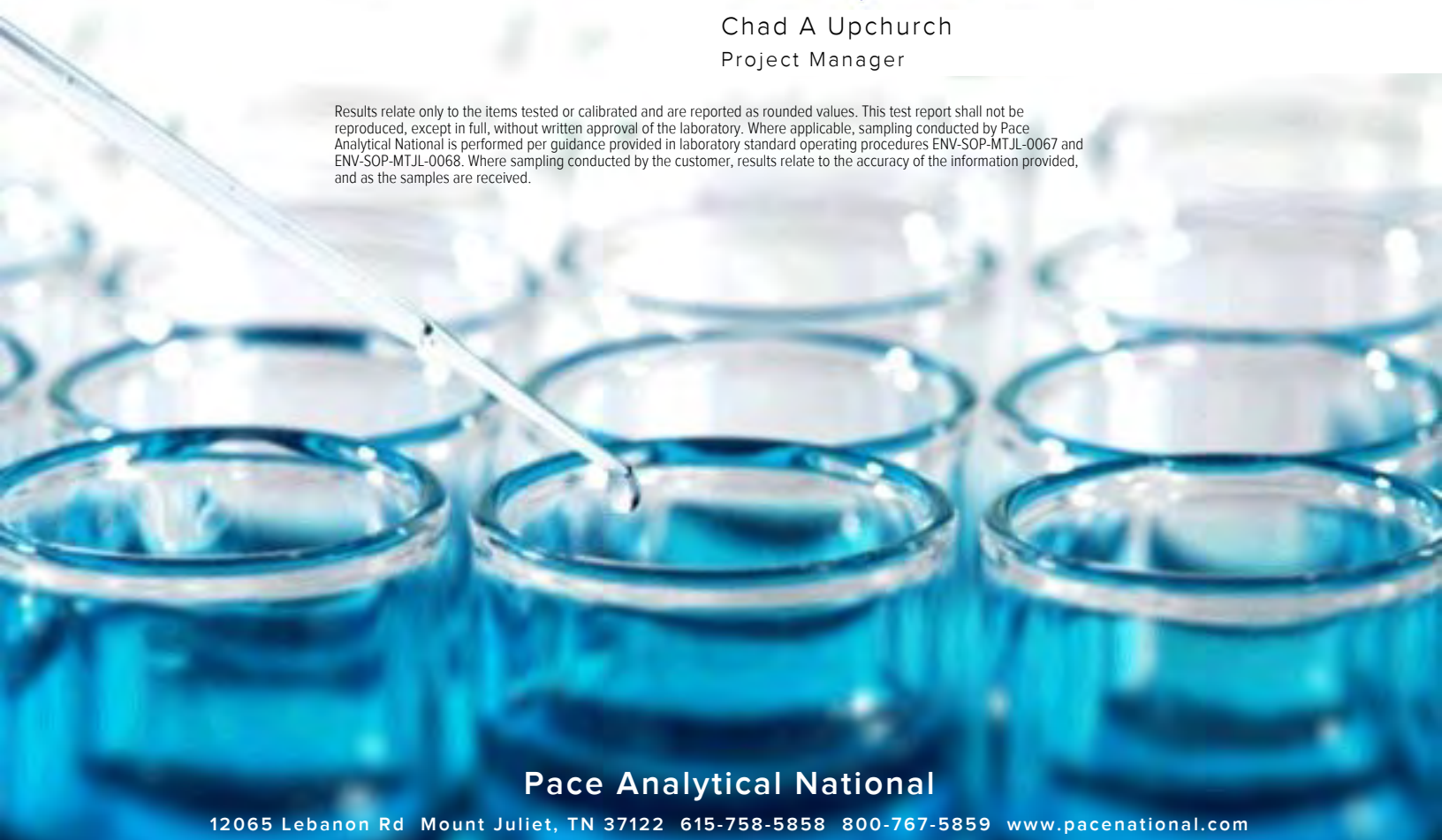


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chad Upchurch".

Chad A Upchurch  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)



|                                                 |    |                  |
|-------------------------------------------------|----|------------------|
| Cp: Cover Page                                  | 1  | <sup>1</sup> Cp  |
| Tc: Table of Contents                           | 2  |                  |
| Ss: Sample Summary                              | 3  | <sup>2</sup> Tc  |
| Cn: Case Narrative                              | 4  |                  |
| Tr: TRRP Summary                                | 5  | <sup>3</sup> Ss  |
| TRRP form R                                     | 6  |                  |
| TRRP form S                                     | 7  | <sup>4</sup> Cn  |
| TRRP Exception Reports                          | 8  | <sup>5</sup> Tr  |
| Sr: Sample Results                              | 9  |                  |
| LEVEY WELL L1626392-01                          | 9  | <sup>6</sup> Sr  |
| Qc: Quality Control Summary                     | 11 | <sup>7</sup> Qc  |
| Volatile Organic Compounds (MS) by Method TO-15 | 11 |                  |
| Gl: Glossary of Terms                           | 16 | <sup>8</sup> Gl  |
| Al: Accreditations & Locations                  | 17 |                  |
| Sc: Sample Chain of Custody                     | 18 | <sup>9</sup> Al  |
|                                                 |    | <sup>10</sup> Sc |

LEVEY WELL L1626392-01 Air

Collected by  
Shane Diller

Collected date/time  
06/09/23 12:00

Received date/time  
06/15/23 09:15

| Method                                          | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2079151 | 100      | 06/16/23 23:08           | 06/16/23 23:08        | DBB     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2079863 | 2000     | 06/18/23 17:09           | 06/18/23 17:09        | MBF     | Mt. Juliet, TN |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



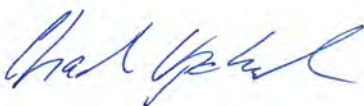
Chad A Upchurch  
Project Manager

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Tr
- <sup>6</sup> Sr
- <sup>7</sup> Qc
- <sup>8</sup> Gl
- <sup>9</sup> Al
- <sup>10</sup> Sc

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.



Chad A Upchurch  
Project Manager

# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |                |                                                                                                                                                                          | LRC Date: 06/19/2023 09:52                    |    |                 |                 |                  |
|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |                |                                                                                                                                                                          | Laboratory Job Number: L1626392-01            |    |                 |                 |                  |
| Reviewer Name: Chad A Upchurch            |                |                                                                                                                                                                          | Prep Batch Number(s): WG2079151 and WG2079863 |    |                 |                 |                  |
| # <sup>1</sup>                            | A <sup>2</sup> | Description                                                                                                                                                              | Yes                                           | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| R1                                        | OI             | Chain-of-custody (C-O-C)                                                                                                                                                 |                                               |    |                 |                 |                  |
|                                           |                | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?                                                                              | X                                             |    |                 |                 |                  |
|                                           |                | Were all departures from standard conditions described in an exception report?                                                                                           |                                               |    | X               |                 |                  |
| R2                                        | OI             | Sample and quality control (QC) identification                                                                                                                           |                                               |    |                 |                 |                  |
|                                           |                | Are all field sample ID numbers cross-referenced to the laboratory ID numbers?                                                                                           | X                                             |    |                 |                 |                  |
|                                           |                | Are all laboratory ID numbers cross-referenced to the corresponding QC data?                                                                                             | X                                             |    |                 |                 |                  |
| R3                                        | OI             | Test reports                                                                                                                                                             |                                               |    |                 |                 |                  |
|                                           |                | Were all samples prepared and analyzed within holding times?                                                                                                             | X                                             |    |                 |                 |                  |
|                                           |                | Other than those results < MQL, were all other raw values bracketed by calibration standards?                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Were calculations checked by a peer or supervisor?                                                                                                                       | X                                             |    |                 |                 |                  |
|                                           |                | Were all analyte identifications checked by a peer or supervisor?                                                                                                        | X                                             |    |                 |                 |                  |
|                                           |                | Were sample detection limits reported for all analytes not detected?                                                                                                     | X                                             |    |                 |                 |                  |
|                                           |                | Were all results for soil and sediment samples reported on a dry weight basis?                                                                                           | X                                             |    |                 |                 |                  |
|                                           |                | Were % moisture (or solids) reported for all soil and sediment samples?                                                                                                  |                                               |    | X               |                 |                  |
|                                           |                | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?                                                                      |                                               |    | X               |                 |                  |
|                                           |                | If required for the project, are TICs reported?                                                                                                                          |                                               |    | X               |                 |                  |
| R4                                        | O              | Surrogate recovery data                                                                                                                                                  |                                               |    |                 |                 |                  |
|                                           |                | Were surrogates added prior to extraction?                                                                                                                               | X                                             |    |                 |                 |                  |
|                                           |                | Were surrogate percent recoveries in all samples within the laboratory QC limits?                                                                                        | X                                             |    |                 |                 |                  |
| R5                                        | OI             | Test reports/summary forms for blank samples                                                                                                                             |                                               |    |                 |                 |                  |
|                                           |                | Were appropriate type(s) of blanks analyzed?                                                                                                                             | X                                             |    |                 |                 |                  |
|                                           |                | Were blanks analyzed at the appropriate frequency?                                                                                                                       | X                                             |    |                 |                 |                  |
|                                           |                | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?                                            | X                                             |    |                 |                 |                  |
|                                           |                | Were blank concentrations < MQL?                                                                                                                                         | X                                             |    |                 |                 |                  |
| R6                                        | OI             | Laboratory control samples (LCS):                                                                                                                                        |                                               |    |                 |                 |                  |
|                                           |                | Were all COCs included in the LCS?                                                                                                                                       | X                                             |    |                 |                 |                  |
|                                           |                | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Were LCSs analyzed at the required frequency?                                                                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?                                                                                                  | X                                             |    |                 |                 |                  |
|                                           |                | Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?                                  | X                                             |    |                 |                 |                  |
|                                           |                | Was the LCSD RPD within QC limits?                                                                                                                                       | X                                             |    |                 |                 |                  |
| R7                                        | OI             | Matrix spike (MS) and matrix spike duplicate (MSD) data                                                                                                                  |                                               |    |                 |                 |                  |
|                                           |                | Were the project/method specified analytes included in the MS and MSD?                                                                                                   |                                               |    | X               |                 |                  |
|                                           |                | Were MS/MSD analyzed at the appropriate frequency?                                                                                                                       |                                               |    | X               |                 |                  |
|                                           |                | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?                                                                                                    |                                               |    | X               |                 |                  |
|                                           |                | Were MS/MSD RPDs within laboratory QC limits?                                                                                                                            |                                               |    | X               |                 |                  |
| R8                                        | OI             | Analytical duplicate data                                                                                                                                                |                                               |    |                 |                 |                  |
|                                           |                | Were appropriate analytical duplicates analyzed for each matrix?                                                                                                         |                                               |    | X               |                 |                  |
|                                           |                | Were analytical duplicates analyzed at the appropriate frequency?                                                                                                        |                                               |    | X               |                 |                  |
|                                           |                | Were RPDs or relative standard deviations within the laboratory QC limits?                                                                                               |                                               |    | X               |                 |                  |
| R9                                        | OI             | Method quantitation limits (MQLs):                                                                                                                                       |                                               |    |                 |                 |                  |
|                                           |                | Are the MQLs for each method analyte included in the laboratory data package?                                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?                                                                                 | X                                             |    |                 |                 |                  |
|                                           |                | Are unadjusted MQLs and DCSs included in the laboratory data package?                                                                                                    | X                                             |    |                 |                 |                  |
| R10                                       | OI             | Other problems/anomalies                                                                                                                                                 |                                               |    |                 |                 |                  |
|                                           |                | Are all known problems/anomalies/special conditions noted in this LRC and ER?                                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?                                         | X                                             |    |                 |                 |                  |
|                                           |                | Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package? | X                                             |    |                 |                 |                  |

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.  
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);  
3. NA = Not applicable;  
4. NR = Not reviewed;  
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# Laboratory Review Checklist: Supporting Data

| Laboratory Name: Pace Analytical National                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                                                                                                        | LRC Date: 06/19/2023 09:52                    |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                        | Laboratory Job Number: L1626392-01            |    |                 |                 |                  |
| Reviewer Name: Chad A Upchurch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                                                                                                        | Prep Batch Number(s): WG2079151 and WG2079863 |    |                 |                 |                  |
| # <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A <sup>2</sup> | Description                                                                                            | Yes                                           | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| S1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Initial calibration (ICAL)                                                                             |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were response factors and/or relative response factors for each analyte within QC limits?              | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent RSDs or correlation coefficient criteria met?                                             | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the number of standards recommended in the method used for all analytes?                           | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were all points generated between the lowest and highest standard used to calculate the curve?         | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are ICAL data available for all instruments used?                                                      | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Has the initial calibration curve been verified using an appropriate second source standard?           | X                                             |    |                 |                 |                  |
| S2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB): |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the CCV analyzed at the method-required frequency?                                                 | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent differences for each analyte within the method-required QC limits?                        | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the ICAL curve verified for each analyte?                                                          | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the absolute value of the analyte concentration in the inorganic CCB < MDL?                        |                                               |    | X               |                 |                  |
| S3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Mass spectral tuning                                                                                   |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the appropriate compound for the method used for tuning?                                           | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were ion abundance data within the method-required QC limits?                                          | X                                             |    |                 |                 |                  |
| S4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Internal standards (IS)                                                                                |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were IS area counts and retention times within the method-required QC limits?                          | X                                             |    |                 |                 |                  |
| S5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Raw data (NELAC Section 5.5.10)                                                                        |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?                  | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were data associated with manual integrations flagged on the raw data?                                 | X                                             |    |                 |                 |                  |
| S6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Dual column confirmation                                                                               |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Did dual column confirmation results meet the method-required QC?                                      |                                               |    | X               |                 |                  |
| S7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Tentatively identified compounds (TICs)                                                                |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?              |                                               |    | X               |                 |                  |
| S8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | Interference Check Sample (ICS) results                                                                |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent recoveries within method QC limits?                                                       |                                               |    | X               |                 |                  |
| S9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | Serial dilutions, post digestion spikes, and method of standard additions                              |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent differences, recoveries, and the linearity within the QC limits specified in the method?  |                                               |    | X               |                 |                  |
| S10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Method detection limit (MDL) studies                                                                   |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was a MDL study performed for each reported analyte?                                                   | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Is the MDL either adjusted or supported by the analysis of DCSs?                                       | X                                             |    |                 |                 |                  |
| S11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Proficiency test reports                                                                               |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X                                             |    |                 |                 |                  |
| S12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Standards documentation                                                                                |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?      | X                                             |    |                 |                 |                  |
| S13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Compound/analyte identification procedures                                                             |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are the procedures for compound/analyte identification documented?                                     | X                                             |    |                 |                 |                  |
| S14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Demonstration of analyst competency (DOC)                                                              |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was DOC conducted consistent with NELAC Chapter 5?                                                     | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Is documentation of the analyst's competency up-to-date and on file?                                   | X                                             |    |                 |                 |                  |
| S15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Verification/validation documentation for methods (NELAC Chapter 5)                                    |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are all the methods used to generate the data documented, verified, and validated, where applicable?   | X                                             |    |                 |                 |                  |
| S16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Laboratory standard operating procedures (SOPs)                                                        |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are laboratory SOPs current and on file for each method performed                                      | X                                             |    |                 |                 |                  |
| <p>1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</p> <p>3. NA = Not applicable;</p> <p>4. NR = Not reviewed;</p> <p>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p> |                |                                                                                                        |                                               |    |                 |                 |                  |

# Laboratory Review Checklist: Exception Reports

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                                               |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------|--|
| Laboratory Name: Pace Analytical National                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | LRC Date: 06/19/2023 09:52                    |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    | Laboratory Job Number: L1626392-01            |  |
| Reviewer Name: Chad A Upchurch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    | Prep Batch Number(s): WG2079151 and WG2079863 |  |
| <b>ER #<sup>1</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Description</b> |                                               |  |
| The Exception Report intentionally left blank, there are no exceptions applied to this SDG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                               |  |
| <p>1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</p> <p>3. NA = Not applicable;</p> <p>4. NR = Not reviewed;</p> <p>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p> |                    |                                               |  |



Collected date/time: 06/09/23 12:00

L1626392

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                        | CAS #      | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch     |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|-----------|
| Acetone                        | 67-64-1    | 58.10    | 125          | 297           | 862            | 2050            |           | 100      | WG2079151 |
| Allyl chloride                 | 107-05-1   | 76.53    | 20.0         | 62.6          | ND             | ND              |           | 100      | WG2079151 |
| Benzene                        | 71-43-2    | 78.10    | 20.0         | 63.9          | 33.2           | 106             |           | 100      | WG2079151 |
| Benzyl Chloride                | 100-44-7   | 127      | 20.0         | 104           | ND             | ND              |           | 100      | WG2079151 |
| Bromodichloromethane           | 75-27-4    | 164      | 20.0         | 134           | ND             | ND              |           | 100      | WG2079151 |
| Bromoform                      | 75-25-2    | 253      | 60.0         | 621           | ND             | ND              |           | 100      | WG2079151 |
| Bromomethane                   | 74-83-9    | 94.90    | 20.0         | 77.6          | ND             | ND              |           | 100      | WG2079151 |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 200          | 443           | ND             | ND              |           | 100      | WG2079151 |
| Carbon disulfide               | 75-15-0    | 76.10    | 20.0         | 62.2          | ND             | ND              |           | 100      | WG2079151 |
| Carbon tetrachloride           | 56-23-5    | 154      | 20.0         | 126           | ND             | ND              |           | 100      | WG2079151 |
| Chlorobenzene                  | 108-90-7   | 113      | 20.0         | 92.4          | ND             | ND              |           | 100      | WG2079151 |
| Chloroethane                   | 75-00-3    | 64.50    | 20.0         | 52.8          | ND             | ND              |           | 100      | WG2079151 |
| Chloroform                     | 67-66-3    | 119      | 20.0         | 97.3          | ND             | ND              |           | 100      | WG2079151 |
| Chloromethane                  | 74-87-3    | 50.50    | 20.0         | 41.3          | ND             | ND              |           | 100      | WG2079151 |
| 2-Chlorotoluene                | 95-49-8    | 126      | 20.0         | 103           | ND             | ND              |           | 100      | WG2079151 |
| Cyclohexane                    | 110-82-7   | 84.20    | 20.0         | 68.9          | ND             | ND              |           | 100      | WG2079151 |
| Dibromochloromethane           | 124-48-1   | 208      | 20.0         | 170           | ND             | ND              |           | 100      | WG2079151 |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 20.0         | 154           | ND             | ND              |           | 100      | WG2079151 |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 20.0         | 120           | ND             | ND              |           | 100      | WG2079151 |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 20.0         | 120           | ND             | ND              |           | 100      | WG2079151 |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 20.0         | 120           | ND             | ND              |           | 100      | WG2079151 |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 20.0         | 81.0          | ND             | ND              |           | 100      | WG2079151 |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 20.0         | 80.2          | ND             | ND              |           | 100      | WG2079151 |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 20.0         | 79.3          | ND             | ND              |           | 100      | WG2079151 |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 20.0         | 79.3          | ND             | ND              |           | 100      | WG2079151 |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 20.0         | 79.3          | ND             | ND              |           | 100      | WG2079151 |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 20.0         | 92.4          | ND             | ND              |           | 100      | WG2079151 |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 20.0         | 90.8          | ND             | ND              |           | 100      | WG2079151 |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 20.0         | 90.8          | ND             | ND              |           | 100      | WG2079151 |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 20.0         | 72.1          | ND             | ND              |           | 100      | WG2079151 |
| Ethanol                        | 64-17-5    | 46.10    | 250          | 471           | 871            | 1640            |           | 100      | WG2079151 |
| Ethylbenzene                   | 100-41-4   | 106      | 20.0         | 86.7          | 81.8           | 355             |           | 100      | WG2079151 |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 20.0         | 98.2          | ND             | ND              |           | 100      | WG2079151 |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 20.0         | 112           | ND             | ND              |           | 100      | WG2079151 |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 20.0         | 98.9          | ND             | ND              |           | 100      | WG2079151 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 20.0         | 153           | ND             | ND              |           | 100      | WG2079151 |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 20.0         | 140           | ND             | ND              |           | 100      | WG2079151 |
| Heptane                        | 142-82-5   | 100      | 20.0         | 81.8          | 449            | 1840            |           | 100      | WG2079151 |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 63.0         | 673           | ND             | ND              |           | 100      | WG2079151 |
| n-Hexane                       | 110-54-3   | 86.20    | 1260         | 4440          | 28600          | 101000          |           | 2000     | WG2079863 |
| Isopropylbenzene               | 98-82-8    | 120.20   | 20.0         | 98.3          | ND             | ND              |           | 100      | WG2079151 |
| Methylene Chloride             | 75-09-2    | 84.90    | 20.0         | 69.4          | ND             | ND              |           | 100      | WG2079151 |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 125          | 511           | ND             | ND              |           | 100      | WG2079151 |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 125          | 369           | ND             | ND              |           | 100      | WG2079151 |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 125          | 512           | ND             | ND              |           | 100      | WG2079151 |
| Methyl methacrylate            | 80-62-6    | 100.12   | 20.0         | 81.9          | ND             | ND              |           | 100      | WG2079151 |
| MTBE                           | 1634-04-4  | 88.10    | 20.0         | 72.1          | ND             | ND              |           | 100      | WG2079151 |
| Naphthalene                    | 91-20-3    | 128      | 63.0         | 330           | ND             | ND              |           | 100      | WG2079151 |
| 2-Propanol                     | 67-63-0    | 60.10    | 125          | 307           | 6640           | 16300           |           | 100      | WG2079151 |
| Propene                        | 115-07-1   | 42.10    | 125          | 215           | ND             | ND              |           | 100      | WG2079151 |
| Styrene                        | 100-42-5   | 104      | 20.0         | 85.1          | ND             | ND              |           | 100      | WG2079151 |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 20.0         | 137           | ND             | ND              |           | 100      | WG2079151 |
| Tetrachloroethylene            | 127-18-4   | 166      | 20.0         | 136           | 25.1           | 170             |           | 100      | WG2079151 |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 20.0         | 59.0          | ND             | ND              |           | 100      | WG2079151 |
| Toluene                        | 108-88-3   | 92.10    | 50.0         | 188           | 316            | 1190            |           | 100      | WG2079151 |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 63.0         | 466           | ND             | ND              |           | 100      | WG2079151 |



Collected date/time: 06/09/23 12:00

Volatile Organic Compounds (MS) by Method TO-15

| Analyte                    | CAS #     | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch     |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|-----------|
| 1,1,1-Trichloroethane      | 71-55-6   | 133      | 20.0         | 109           | ND             | ND              |           | 100      | WG2079151 |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 20.0         | 109           | ND             | ND              |           | 100      | WG2079151 |
| Trichloroethylene          | 79-01-6   | 131      | 20.0         | 107           | ND             | ND              |           | 100      | WG2079151 |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 20.0         | 98.2          | 293            | 1440            |           | 100      | WG2079151 |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 20.0         | 98.2          | 126            | 618             |           | 100      | WG2079151 |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 20.0         | 93.4          | ND             | ND              |           | 100      | WG2079151 |
| Vinyl chloride             | 75-01-4   | 62.50    | 20.0         | 51.1          | ND             | ND              |           | 100      | WG2079151 |
| Vinyl Bromide              | 593-60-2  | 106.95   | 20.0         | 87.5          | ND             | ND              |           | 100      | WG2079151 |
| Vinyl acetate              | 108-05-4  | 86.10    | 20.0         | 70.4          | ND             | ND              |           | 100      | WG2079151 |
| m&p-Xylene                 | 1330-20-7 | 106      | 40.0         | 173           | 704            | 3050            |           | 100      | WG2079151 |
| o-Xylene                   | 95-47-6   | 106      | 20.0         | 86.7          | 342            | 1480            |           | 100      | WG2079151 |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 20000        | 82600         | 41300          | 171000          |           | 100      | WG2079151 |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 101            |                 |           |          | WG2079151 |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 90.9           |                 |           |          | WG2079863 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Method Blank (MB)

(MB) R3937689-3 06/16/23 12:07

| Analyte                        | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Acetone                        | U                 |              | 0.584          | 1.25           |
| Allyl chloride                 | U                 |              | 0.114          | 0.200          |
| Benzene                        | U                 |              | 0.0715         | 0.200          |
| Benzyl Chloride                | U                 |              | 0.0598         | 0.200          |
| Bromodichloromethane           | U                 |              | 0.0702         | 0.200          |
| Bromoform                      | U                 |              | 0.0732         | 0.600          |
| Bromomethane                   | U                 |              | 0.0982         | 0.200          |
| 1,3-Butadiene                  | U                 |              | 0.104          | 2.00           |
| Carbon disulfide               | U                 |              | 0.102          | 0.200          |
| Carbon tetrachloride           | U                 |              | 0.0732         | 0.200          |
| Chlorobenzene                  | U                 |              | 0.0832         | 0.200          |
| Chloroethane                   | U                 |              | 0.0996         | 0.200          |
| Chloroform                     | U                 |              | 0.0717         | 0.200          |
| Chloromethane                  | U                 |              | 0.103          | 0.200          |
| 2-Chlorotoluene                | U                 |              | 0.0828         | 0.200          |
| Cyclohexane                    | U                 |              | 0.0753         | 0.200          |
| Dibromochloromethane           | U                 |              | 0.0727         | 0.200          |
| 1,2-Dibromoethane              | U                 |              | 0.0721         | 0.200          |
| 1,2-Dichlorobenzene            | U                 |              | 0.128          | 0.200          |
| 1,3-Dichlorobenzene            | U                 |              | 0.182          | 0.200          |
| 1,4-Dichlorobenzene            | U                 |              | 0.0557         | 0.200          |
| 1,2-Dichloroethane             | U                 |              | 0.0700         | 0.200          |
| 1,1-Dichloroethane             | U                 |              | 0.0723         | 0.200          |
| 1,1-Dichloroethene             | U                 |              | 0.0762         | 0.200          |
| cis-1,2-Dichloroethene         | U                 |              | 0.0784         | 0.200          |
| trans-1,2-Dichloroethene       | U                 |              | 0.0673         | 0.200          |
| 1,2-Dichloropropane            | U                 |              | 0.0760         | 0.200          |
| cis-1,3-Dichloropropene        | U                 |              | 0.0689         | 0.200          |
| trans-1,3-Dichloropropene      | U                 |              | 0.0728         | 0.200          |
| 1,4-Dioxane                    | U                 |              | 0.0833         | 0.200          |
| Ethanol                        | 0.831             | U            | 0.265          | 2.50           |
| Ethylbenzene                   | U                 |              | 0.0835         | 0.200          |
| 4-Ethyltoluene                 | U                 |              | 0.0783         | 0.200          |
| Trichlorofluoromethane         | U                 |              | 0.0819         | 0.200          |
| Dichlorodifluoromethane        | U                 |              | 0.137          | 0.200          |
| 1,1,2-Trichlorotrifluoroethane | U                 |              | 0.0793         | 0.200          |
| 1,2-Dichlorotetrafluoroethane  | U                 |              | 0.0890         | 0.200          |
| Heptane                        | U                 |              | 0.104          | 0.200          |
| Hexachloro-1,3-butadiene       | U                 |              | 0.105          | 0.630          |
| Isopropylbenzene               | U                 |              | 0.0777         | 0.200          |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Method Blank (MB)

(MB) R3937689-3 06/16/23 12:07

| Analyte                     | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Methylene Chloride          | U                 |              | 0.0979         | 0.200          |
| Methyl Butyl Ketone         | U                 |              | 0.133          | 1.25           |
| 2-Butanone (MEK)            | U                 |              | 0.0814         | 1.25           |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.0765         | 1.25           |
| Methyl methacrylate         | U                 |              | 0.0876         | 0.200          |
| MTBE                        | U                 |              | 0.0647         | 0.200          |
| Naphthalene                 | U                 |              | 0.350          | 0.630          |
| 2-Propanol                  | U                 |              | 0.264          | 1.25           |
| Propene                     | U                 |              | 0.0932         | 1.25           |
| Styrene                     | U                 |              | 0.0788         | 0.200          |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.0743         | 0.200          |
| Tetrachloroethylene         | U                 |              | 0.0814         | 0.200          |
| Tetrahydrofuran             | U                 |              | 0.0734         | 0.200          |
| Toluene                     | U                 |              | 0.0870         | 0.500          |
| 1,2,4-Trichlorobenzene      | U                 |              | 0.148          | 0.630          |
| 1,1,1-Trichloroethane       | U                 |              | 0.0736         | 0.200          |
| 1,1,2-Trichloroethane       | U                 |              | 0.0775         | 0.200          |
| Trichloroethylene           | U                 |              | 0.0680         | 0.200          |
| 1,2,4-Trimethylbenzene      | U                 |              | 0.0764         | 0.200          |
| 1,3,5-Trimethylbenzene      | U                 |              | 0.0779         | 0.200          |
| 2,2,4-Trimethylpentane      | U                 |              | 0.133          | 0.200          |
| Vinyl chloride              | U                 |              | 0.0949         | 0.200          |
| Vinyl Bromide               | U                 |              | 0.0852         | 0.200          |
| Vinyl acetate               | U                 |              | 0.116          | 0.200          |
| m&p-Xylene                  | U                 |              | 0.135          | 0.400          |
| o-Xylene                    | U                 |              | 0.0828         | 0.200          |
| TPH (GC/MS) Low Fraction    | U                 |              | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene  | 105               |              |                | 60.0-140       |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3937689-1 06/16/23 10:50 • (LCSD) R3937689-2 06/16/23 11:29

| Analyte              | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 3.75                 | 3.93               | 3.96                | 105           | 106            | 70.0-130         |               |                | 0.760    | 25              |
| Allyl chloride       | 3.75                 | 3.52               | 3.69                | 93.9          | 98.4           | 70.0-130         |               |                | 4.72     | 25              |
| Benzene              | 3.75                 | 3.81               | 3.79                | 102           | 101            | 70.0-130         |               |                | 0.526    | 25              |
| Benzyl Chloride      | 3.75                 | 4.52               | 4.54                | 121           | 121            | 70.0-152         |               |                | 0.442    | 25              |
| Bromodichloromethane | 3.75                 | 3.94               | 3.90                | 105           | 104            | 70.0-130         |               |                | 1.02     | 25              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3937689-1 06/16/23 10:50 • (LCSD) R3937689-2 06/16/23 11:29

| Analyte                        | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Bromoform                      | 3.75                 | 4.23               | 4.30                | 113           | 115            | 70.0-130         |               |                | 1.64     | 25              |
| Bromomethane                   | 3.75                 | 3.81               | 3.75                | 102           | 100            | 70.0-130         |               |                | 1.59     | 25              |
| 1,3-Butadiene                  | 3.75                 | 3.94               | 3.62                | 105           | 96.5           | 70.0-130         |               |                | 8.47     | 25              |
| Carbon disulfide               | 3.75                 | 3.61               | 3.59                | 96.3          | 95.7           | 70.0-130         |               |                | 0.556    | 25              |
| Carbon tetrachloride           | 3.75                 | 4.09               | 4.05                | 109           | 108            | 70.0-130         |               |                | 0.983    | 25              |
| Chlorobenzene                  | 3.75                 | 3.93               | 3.87                | 105           | 103            | 70.0-130         |               |                | 1.54     | 25              |
| Chloroethane                   | 3.75                 | 3.49               | 3.34                | 93.1          | 89.1           | 70.0-130         |               |                | 4.39     | 25              |
| Chloroform                     | 3.75                 | 3.90               | 3.86                | 104           | 103            | 70.0-130         |               |                | 1.03     | 25              |
| Chloromethane                  | 3.75                 | 3.67               | 3.48                | 97.9          | 92.8           | 70.0-130         |               |                | 5.31     | 25              |
| 2-Chlorotoluene                | 3.75                 | 4.33               | 4.34                | 115           | 116            | 70.0-130         |               |                | 0.231    | 25              |
| Cyclohexane                    | 3.75                 | 3.88               | 3.77                | 103           | 101            | 70.0-130         |               |                | 2.88     | 25              |
| Dibromochloromethane           | 3.75                 | 3.93               | 3.92                | 105           | 105            | 70.0-130         |               |                | 0.255    | 25              |
| 1,2-Dibromoethane              | 3.75                 | 3.90               | 3.85                | 104           | 103            | 70.0-130         |               |                | 1.29     | 25              |
| 1,2-Dichlorobenzene            | 3.75                 | 4.38               | 4.38                | 117           | 117            | 70.0-130         |               |                | 0.000    | 25              |
| 1,3-Dichlorobenzene            | 3.75                 | 4.44               | 4.46                | 118           | 119            | 70.0-130         |               |                | 0.449    | 25              |
| 1,4-Dichlorobenzene            | 3.75                 | 4.51               | 4.57                | 120           | 122            | 70.0-130         |               |                | 1.32     | 25              |
| 1,2-Dichloroethane             | 3.75                 | 4.03               | 3.93                | 107           | 105            | 70.0-130         |               |                | 2.51     | 25              |
| 1,1-Dichloroethane             | 3.75                 | 3.83               | 3.73                | 102           | 99.5           | 70.0-130         |               |                | 2.65     | 25              |
| 1,1-Dichloroethene             | 3.75                 | 3.88               | 3.78                | 103           | 101            | 70.0-130         |               |                | 2.61     | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 3.87               | 3.80                | 103           | 101            | 70.0-130         |               |                | 1.83     | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 3.81               | 3.67                | 102           | 97.9           | 70.0-130         |               |                | 3.74     | 25              |
| 1,2-Dichloropropane            | 3.75                 | 3.81               | 3.76                | 102           | 100            | 70.0-130         |               |                | 1.32     | 25              |
| cis-1,3-Dichloropropene        | 3.75                 | 3.76               | 3.78                | 100           | 101            | 70.0-130         |               |                | 0.531    | 25              |
| trans-1,3-Dichloropropene      | 3.75                 | 3.88               | 3.78                | 103           | 101            | 70.0-130         |               |                | 2.61     | 25              |
| 1,4-Dioxane                    | 3.75                 | 3.57               | 3.47                | 95.2          | 92.5           | 70.0-140         |               |                | 2.84     | 25              |
| Ethanol                        | 3.75                 | 4.08               | 4.00                | 109           | 107            | 55.0-148         |               |                | 1.98     | 25              |
| Ethylbenzene                   | 3.75                 | 4.08               | 4.16                | 109           | 111            | 70.0-130         |               |                | 1.94     | 25              |
| 4-Ethyltoluene                 | 3.75                 | 4.35               | 4.39                | 116           | 117            | 70.0-130         |               |                | 0.915    | 25              |
| Trichlorofluoromethane         | 3.75                 | 4.03               | 3.90                | 107           | 104            | 70.0-130         |               |                | 3.28     | 25              |
| Dichlorodifluoromethane        | 3.75                 | 3.83               | 3.79                | 102           | 101            | 64.0-139         |               |                | 1.05     | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 3.86               | 3.89                | 103           | 104            | 70.0-130         |               |                | 0.774    | 25              |
| 1,2-Dichlorotetrafluoroethane  | 3.75                 | 3.99               | 3.87                | 106           | 103            | 70.0-130         |               |                | 3.05     | 25              |
| Heptane                        | 3.75                 | 4.03               | 3.92                | 107           | 105            | 70.0-130         |               |                | 2.77     | 25              |
| Hexachloro-1,3-butadiene       | 3.75                 | 4.42               | 4.42                | 118           | 118            | 70.0-151         |               |                | 0.000    | 25              |
| Isopropylbenzene               | 3.75                 | 4.30               | 4.40                | 115           | 117            | 70.0-130         |               |                | 2.30     | 25              |
| Methylene Chloride             | 3.75                 | 3.74               | 3.62                | 99.7          | 96.5           | 70.0-130         |               |                | 3.26     | 25              |
| Methyl Butyl Ketone            | 3.75                 | 3.69               | 3.73                | 98.4          | 99.5           | 70.0-149         |               |                | 1.08     | 25              |
| 2-Butanone (MEK)               | 3.75                 | 3.75               | 3.73                | 100           | 99.5           | 70.0-130         |               |                | 0.535    | 25              |
| 4-Methyl-2-pentanone (MIBK)    | 3.75                 | 3.67               | 3.57                | 97.9          | 95.2           | 70.0-139         |               |                | 2.76     | 25              |
| Methyl methacrylate            | 3.75                 | 3.74               | 3.65                | 99.7          | 97.3           | 70.0-130         |               |                | 2.44     | 25              |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3937689-1 06/16/23 10:50 • (LCSD) R3937689-2 06/16/23 11:29

| Analyte                    | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| MTBE                       | 3.75                 | 3.92               | 3.84                | 105           | 102            | 70.0-130         |               |                | 2.06     | 25              |
| Naphthalene                | 3.75                 | 4.43               | 4.49                | 118           | 120            | 70.0-159         |               |                | 1.35     | 25              |
| 2-Propanol                 | 3.75                 | 3.88               | 3.86                | 103           | 103            | 70.0-139         |               |                | 0.517    | 25              |
| Propene                    | 3.75                 | 3.80               | 3.75                | 101           | 100            | 64.0-144         |               |                | 1.32     | 25              |
| Styrene                    | 3.75                 | 4.11               | 4.28                | 110           | 114            | 70.0-130         |               |                | 4.05     | 25              |
| 1,1,2,2-Tetrachloroethane  | 3.75                 | 4.13               | 4.15                | 110           | 111            | 70.0-130         |               |                | 0.483    | 25              |
| Tetrachloroethylene        | 3.75                 | 3.97               | 3.95                | 106           | 105            | 70.0-130         |               |                | 0.505    | 25              |
| Tetrahydrofuran            | 3.75                 | 3.68               | 3.58                | 98.1          | 95.5           | 70.0-137         |               |                | 2.75     | 25              |
| Toluene                    | 3.75                 | 3.82               | 3.79                | 102           | 101            | 70.0-130         |               |                | 0.788    | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 4.37               | 4.38                | 117           | 117            | 70.0-160         |               |                | 0.229    | 25              |
| 1,1,1-Trichloroethane      | 3.75                 | 3.94               | 3.90                | 105           | 104            | 70.0-130         |               |                | 1.02     | 25              |
| 1,1,2-Trichloroethane      | 3.75                 | 3.73               | 3.71                | 99.5          | 98.9           | 70.0-130         |               |                | 0.538    | 25              |
| Trichloroethylene          | 3.75                 | 3.88               | 3.85                | 103           | 103            | 70.0-130         |               |                | 0.776    | 25              |
| 1,2,4-Trimethylbenzene     | 3.75                 | 4.37               | 4.40                | 117           | 117            | 70.0-130         |               |                | 0.684    | 25              |
| 1,3,5-Trimethylbenzene     | 3.75                 | 4.44               | 4.52                | 118           | 121            | 70.0-130         |               |                | 1.79     | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 3.99               | 3.88                | 106           | 103            | 70.0-130         |               |                | 2.80     | 25              |
| Vinyl chloride             | 3.75                 | 3.70               | 3.53                | 98.7          | 94.1           | 70.0-130         |               |                | 4.70     | 25              |
| Vinyl Bromide              | 3.75                 | 3.73               | 3.64                | 99.5          | 97.1           | 70.0-130         |               |                | 2.44     | 25              |
| Vinyl acetate              | 3.75                 | 3.91               | 3.82                | 104           | 102            | 70.0-130         |               |                | 2.33     | 25              |
| m&p-Xylene                 | 7.50                 | 8.46               | 8.54                | 113           | 114            | 70.0-130         |               |                | 0.941    | 25              |
| o-Xylene                   | 3.75                 | 4.18               | 4.25                | 111           | 113            | 70.0-130         |               |                | 1.66     | 25              |
| TPH (GC/MS) Low Fraction   | 188                  | 185                | 185                 | 98.4          | 98.4           | 70.0-130         |               |                | 0.000    | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 106           | 108            | 60.0-140         |               |                |          |                 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Method Blank (MB)

(MB) R3938217-2 06/18/23 11:10

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | ppbv      |              | ppbv   | ppbv     |
| n-Hexane                   | U         |              | 0.206  | 0.630    |
| (S) 1,4-Bromofluorobenzene | 90.7      |              |        | 60.0-140 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3938217-1 06/18/23 09:18 • (LCSD) R3938217-3 06/18/23 11:39

| Analyte                    | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
|                            | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %     | %          |
| n-Hexane                   | 3.75         | 4.11       | 4.08        | 110      | 109       | 70.0-130    |               |                | 0.733 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 101      | 99.9      | 60.0-140    |               |                |       |            |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ND                           | Not detected at the Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.                                                                                                                                                                                                                                               |
| U                            | Not detected at the Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.                                                                                    |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.                                                                                                                                                                                                                                                      |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.                                                                                                                                                                  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.                                                                                                                                                                          |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.                                                                                                                                                                                              |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.                                                              |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.                                                                                                                                                                                             |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.                                                                                                                                                                                                                                                                                                                                                            |

QualifierDescription

|   |                                                                                     |
|---|-------------------------------------------------------------------------------------|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
|---|-------------------------------------------------------------------------------------|

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                                |             |                             |                  |
|--------------------------------|-------------|-----------------------------|------------------|
| Alabama                        | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                         | 17-026      | Nevada                      | TN000032021-1    |
| Arizona                        | AZ0612      | New Hampshire               | 2975             |
| Arkansas                       | 88-0469     | New Jersey--NELAP           | TN002            |
| California                     | 2932        | New Mexico <sup>1</sup>     | TN00003          |
| Colorado                       | TN00003     | New York                    | 11742            |
| Connecticut                    | PH-0197     | North Carolina              | Env375           |
| Florida                        | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                        | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>           | 923         | North Dakota                | R-140            |
| Idaho                          | TN00003     | Ohio--VAP                   | CL0069           |
| Illinois                       | 200008      | Oklahoma                    | 9915             |
| Indiana                        | C-TN-01     | Oregon                      | TN200002         |
| Iowa                           | 364         | Pennsylvania                | 68-02979         |
| Kansas                         | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1,6</sup>        | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>          | 16          | South Dakota                | n/a              |
| Louisiana                      | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana                      | LA018       | Texas                       | T104704245-20-18 |
| Maine                          | TN00003     | Texas <sup>5</sup>          | LAB0152          |
| Maryland                       | 324         | Utah                        | TN000032021-11   |
| Massachusetts                  | M-TN003     | Vermont                     | VT2006           |
| Michigan                       | 9958        | Virginia                    | 110033           |
| Minnesota                      | 047-999-395 | Washington                  | C847             |
| Mississippi                    | TN00003     | West Virginia               | 233              |
| Missouri                       | 340         | Wisconsin                   | 998093910        |
| Montana                        | CERT0086    | Wyoming                     | A2LA             |
| A2LA -- ISO 17025              | 1461.01     | AIHA-LAP, LLC EMLAP         | 100789           |
| A2LA -- ISO 17025 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                         | 1461.01     | USDA                        | P330-15-00234    |
| EPA--Crypto                    | TN00003     |                             |                  |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Tr<sup>6</sup> Sr<sup>7</sup> Qc<sup>8</sup> Gl<sup>9</sup> Al<sup>10</sup> Sc

Released to Imaging: 3/21/2024 4:18:32 PM





## ANALYTICAL REPORT

June 27, 2023

**Ensolum, LLC**

Sample Delivery Group: L1627445  
Samples Received: 06/19/2023  
Project Number: 03B1417001  
Description: Levey Well  
Site: 03B1417001  
Report To: Beaux Jennings  
601 N Marienfeld Street, Ste. 400  
Midland, TX 79701

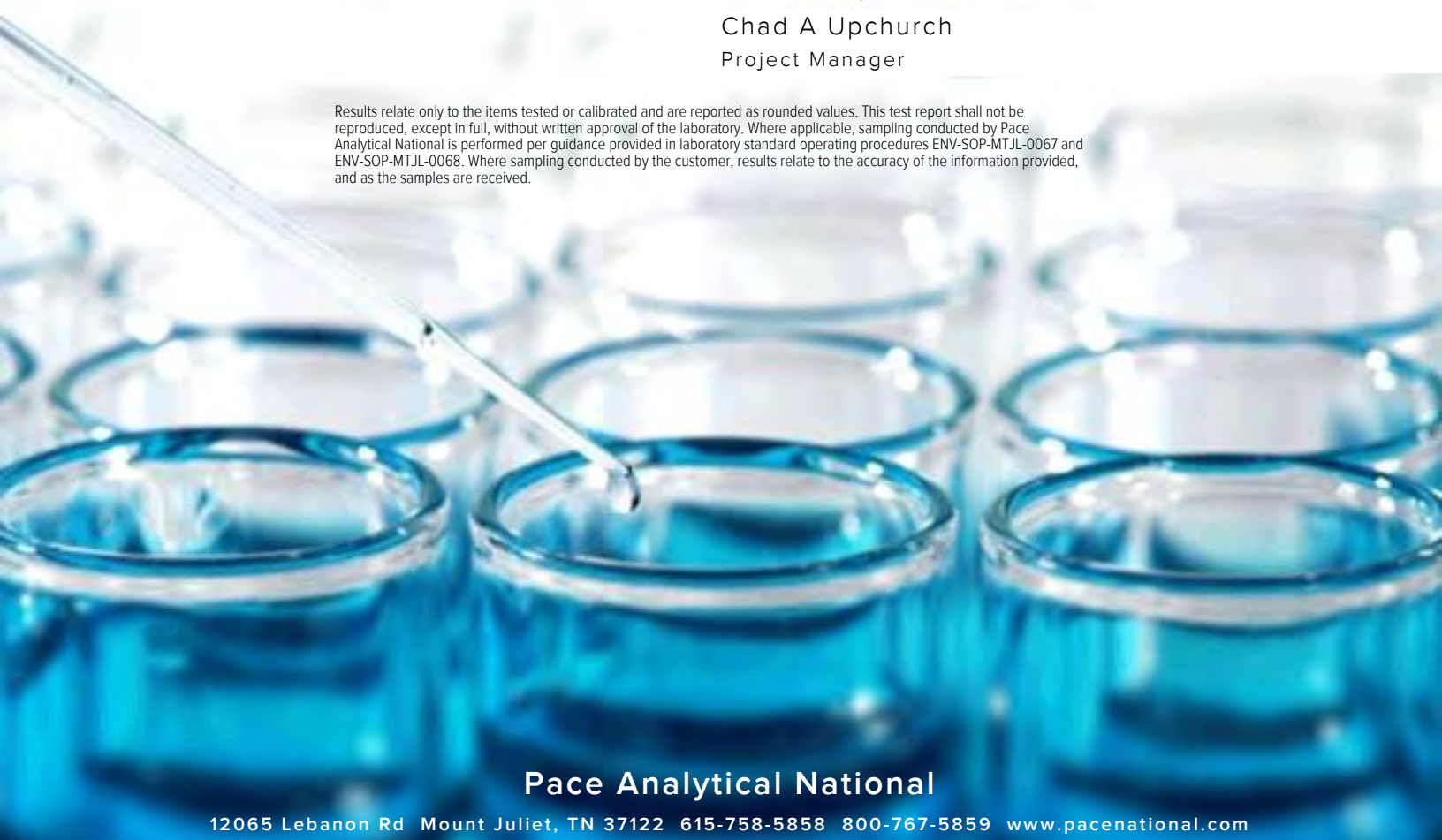


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chad Upchurch".

Chad A Upchurch  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

|                                                 |    |                  |
|-------------------------------------------------|----|------------------|
| Cp: Cover Page                                  | 1  | <sup>1</sup> Cp  |
| Tc: Table of Contents                           | 2  |                  |
| Ss: Sample Summary                              | 3  | <sup>2</sup> Tc  |
| Cn: Case Narrative                              | 4  |                  |
| Tr: TRRP Summary                                | 5  | <sup>3</sup> Ss  |
| TRRP form R                                     | 6  |                  |
| TRRP form S                                     | 7  | <sup>4</sup> Cn  |
| TRRP Exception Reports                          | 8  | <sup>5</sup> Tr  |
| Sr: Sample Results                              | 9  |                  |
| LEVEY WELL L1627445-01                          | 9  | <sup>6</sup> Sr  |
| Qc: Quality Control Summary                     | 11 | <sup>7</sup> Qc  |
| Volatile Organic Compounds (MS) by Method TO-15 | 11 |                  |
| Gl: Glossary of Terms                           | 16 | <sup>8</sup> Gl  |
| Al: Accreditations & Locations                  | 17 |                  |
| Sc: Sample Chain of Custody                     | 18 | <sup>9</sup> Al  |
|                                                 |    | <sup>10</sup> Sc |

LEVEY WELL L1627445-01 Air

Collected by  
Shane Diller

Collected date/time  
06/15/23 12:27

Received date/time  
06/19/23 09:20

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2082855 | 100      | 06/23/23 02:17        | 06/23/23 02:17     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2083774 | 2000     | 06/24/23 18:47        | 06/24/23 18:47     | DBB     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2084545 | 20000    | 06/26/23 15:54        | 06/26/23 15:54     | JAP     | Mt. Juliet, TN |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chad A Upchurch  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Tr

<sup>6</sup> Sr

<sup>7</sup> Qc

<sup>8</sup> Gl

<sup>9</sup> Al

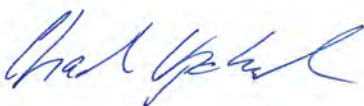
<sup>10</sup> Sc



This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.



Chad A Upchurch  
Project Manager

# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |                | LRC Date: 06/27/2023 09:04                                                                                                                                               |     |    |                 |                 |                  |
|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |                | Laboratory Job Number: L1627445-01                                                                                                                                       |     |    |                 |                 |                  |
| Reviewer Name: Chad A Upchurch            |                | Prep Batch Number(s): WG2082855, WG2083774 and WG2084545                                                                                                                 |     |    |                 |                 |                  |
| # <sup>1</sup>                            | A <sup>2</sup> | Description                                                                                                                                                              | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| R1                                        | OI             | Chain-of-custody (C-O-C)                                                                                                                                                 |     |    |                 |                 |                  |
|                                           |                | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?                                                                              | X   |    |                 |                 |                  |
|                                           |                | Were all departures from standard conditions described in an exception report?                                                                                           |     |    | X               |                 |                  |
| R2                                        | OI             | Sample and quality control (QC) identification                                                                                                                           |     |    |                 |                 |                  |
|                                           |                | Are all field sample ID numbers cross-referenced to the laboratory ID numbers?                                                                                           | X   |    |                 |                 |                  |
|                                           |                | Are all laboratory ID numbers cross-referenced to the corresponding QC data?                                                                                             | X   |    |                 |                 |                  |
| R3                                        | OI             | Test reports                                                                                                                                                             |     |    |                 |                 |                  |
|                                           |                | Were all samples prepared and analyzed within holding times?                                                                                                             | X   |    |                 |                 |                  |
|                                           |                | Other than those results < MQL, were all other raw values bracketed by calibration standards?                                                                            | X   |    |                 |                 |                  |
|                                           |                | Were calculations checked by a peer or supervisor?                                                                                                                       | X   |    |                 |                 |                  |
|                                           |                | Were all analyte identifications checked by a peer or supervisor?                                                                                                        | X   |    |                 |                 |                  |
|                                           |                | Were sample detection limits reported for all analytes not detected?                                                                                                     | X   |    |                 |                 |                  |
|                                           |                | Were all results for soil and sediment samples reported on a dry weight basis?                                                                                           | X   |    |                 |                 |                  |
|                                           |                | Were % moisture (or solids) reported for all soil and sediment samples?                                                                                                  |     |    | X               |                 |                  |
|                                           |                | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?                                                                      |     |    | X               |                 |                  |
|                                           |                | If required for the project, are TICs reported?                                                                                                                          |     |    | X               |                 |                  |
| R4                                        | O              | Surrogate recovery data                                                                                                                                                  |     |    |                 |                 |                  |
|                                           |                | Were surrogates added prior to extraction?                                                                                                                               | X   |    |                 |                 |                  |
|                                           |                | Were surrogate percent recoveries in all samples within the laboratory QC limits?                                                                                        | X   |    |                 |                 |                  |
| R5                                        | OI             | Test reports/summary forms for blank samples                                                                                                                             |     |    |                 |                 |                  |
|                                           |                | Were appropriate type(s) of blanks analyzed?                                                                                                                             | X   |    |                 |                 |                  |
|                                           |                | Were blanks analyzed at the appropriate frequency?                                                                                                                       | X   |    |                 |                 |                  |
|                                           |                | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?                                            | X   |    |                 |                 |                  |
|                                           |                | Were blank concentrations < MQL?                                                                                                                                         | X   |    |                 |                 |                  |
| R6                                        | OI             | Laboratory control samples (LCS):                                                                                                                                        |     |    |                 |                 |                  |
|                                           |                | Were all COCs included in the LCS?                                                                                                                                       | X   |    |                 |                 |                  |
|                                           |                | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?                                                                            | X   |    |                 |                 |                  |
|                                           |                | Were LCSs analyzed at the required frequency?                                                                                                                            | X   |    |                 |                 |                  |
|                                           |                | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?                                                                                                  | X   |    |                 |                 |                  |
|                                           |                | Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?                                  | X   |    |                 |                 |                  |
|                                           |                | Was the LCSD RPD within QC limits?                                                                                                                                       | X   |    |                 |                 |                  |
| R7                                        | OI             | Matrix spike (MS) and matrix spike duplicate (MSD) data                                                                                                                  |     |    |                 |                 |                  |
|                                           |                | Were the project/method specified analytes included in the MS and MSD?                                                                                                   |     |    | X               |                 |                  |
|                                           |                | Were MS/MSD analyzed at the appropriate frequency?                                                                                                                       |     |    | X               |                 |                  |
|                                           |                | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?                                                                                                    |     |    | X               |                 |                  |
|                                           |                | Were MS/MSD RPDs within laboratory QC limits?                                                                                                                            |     |    | X               |                 |                  |
| R8                                        | OI             | Analytical duplicate data                                                                                                                                                |     |    |                 |                 |                  |
|                                           |                | Were appropriate analytical duplicates analyzed for each matrix?                                                                                                         |     |    | X               |                 |                  |
|                                           |                | Were analytical duplicates analyzed at the appropriate frequency?                                                                                                        |     |    | X               |                 |                  |
|                                           |                | Were RPDs or relative standard deviations within the laboratory QC limits?                                                                                               |     |    | X               |                 |                  |
| R9                                        | OI             | Method quantitation limits (MQLs):                                                                                                                                       |     |    |                 |                 |                  |
|                                           |                | Are the MQLs for each method analyte included in the laboratory data package?                                                                                            | X   |    |                 |                 |                  |
|                                           |                | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?                                                                                 | X   |    |                 |                 |                  |
|                                           |                | Are unadjusted MQLs and DCSs included in the laboratory data package?                                                                                                    | X   |    |                 |                 |                  |
| R10                                       | OI             | Other problems/anomalies                                                                                                                                                 |     |    |                 |                 |                  |
|                                           |                | Are all known problems/anomalies/special conditions noted in this LRC and ER?                                                                                            | X   |    |                 |                 |                  |
|                                           |                | Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?                                         | X   |    |                 |                 |                  |
|                                           |                | Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package? | X   |    |                 |                 |                  |

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.  
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);  
3. NA = Not applicable;  
4. NR = Not reviewed;  
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# Laboratory Review Checklist: Supporting Data

| Laboratory Name: Pace Analytical National                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | LRC Date: 06/27/2023 09:04                                                                             |     |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                | Laboratory Job Number: L1627445-01                                                                     |     |    |                 |                 |                  |
| Reviewer Name: Chad A Upchurch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | Prep Batch Number(s): WG2082855, WG2083774 and WG2084545                                               |     |    |                 |                 |                  |
| # <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A <sup>2</sup> | Description                                                                                            | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| S1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Initial calibration (ICAL)                                                                             |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were response factors and/or relative response factors for each analyte within QC limits?              | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent RSDs or correlation coefficient criteria met?                                             | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the number of standards recommended in the method used for all analytes?                           | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were all points generated between the lowest and highest standard used to calculate the curve?         | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are ICAL data available for all instruments used?                                                      | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Has the initial calibration curve been verified using an appropriate second source standard?           | X   |    |                 |                 |                  |
| S2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB): |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the CCV analyzed at the method-required frequency?                                                 | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent differences for each analyte within the method-required QC limits?                        | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the ICAL curve verified for each analyte?                                                          | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the absolute value of the analyte concentration in the inorganic CCB < MDL?                        |     |    | X               |                 |                  |
| S3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Mass spectral tuning                                                                                   |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the appropriate compound for the method used for tuning?                                           | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were ion abundance data within the method-required QC limits?                                          | X   |    |                 |                 |                  |
| S4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Internal standards (IS)                                                                                |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were IS area counts and retention times within the method-required QC limits?                          | X   |    |                 |                 |                  |
| S5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Raw data (NELAC Section 5.5.10)                                                                        |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?                  | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were data associated with manual integrations flagged on the raw data?                                 | X   |    |                 |                 |                  |
| S6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Dual column confirmation                                                                               |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Did dual column confirmation results meet the method-required QC?                                      |     |    | X               |                 |                  |
| S7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Tentatively identified compounds (TICs)                                                                |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?              |     |    | X               |                 |                  |
| S8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | Interference Check Sample (ICS) results                                                                |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent recoveries within method QC limits?                                                       |     |    | X               |                 |                  |
| S9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | Serial dilutions, post digestion spikes, and method of standard additions                              |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent differences, recoveries, and the linearity within the QC limits specified in the method?  |     |    | X               |                 |                  |
| S10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Method detection limit (MDL) studies                                                                   |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was a MDL study performed for each reported analyte?                                                   | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Is the MDL either adjusted or supported by the analysis of DCSs?                                       | X   |    |                 |                 |                  |
| S11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Proficiency test reports                                                                               |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X   |    |                 |                 |                  |
| S12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Standards documentation                                                                                |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?      | X   |    |                 |                 |                  |
| S13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Compound/analyte identification procedures                                                             |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are the procedures for compound/analyte identification documented?                                     | X   |    |                 |                 |                  |
| S14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Demonstration of analyst competency (DOC)                                                              |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was DOC conducted consistent with NELAC Chapter 5?                                                     | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Is documentation of the analyst's competency up-to-date and on file?                                   | X   |    |                 |                 |                  |
| S15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Verification/validation documentation for methods (NELAC Chapter 5)                                    |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are all the methods used to generate the data documented, verified, and validated, where applicable?   | X   |    |                 |                 |                  |
| S16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Laboratory standard operating procedures (SOPs)                                                        |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are laboratory SOPs current and on file for each method performed                                      | X   |    |                 |                 |                  |
| <p>1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</p> <p>3. NA = Not applicable;</p> <p>4. NR = Not reviewed;</p> <p>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p> |                |                                                                                                        |     |    |                 |                 |                  |

## Laboratory Review Checklist: Exception Reports

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------|--|
| Laboratory Name: Pace Analytical National                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | LRC Date: 06/27/2023 09:04                               |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    | Laboratory Job Number: L1627445-01                       |  |
| Reviewer Name: Chad A Upchurch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    | Prep Batch Number(s): WG2082855, WG2083774 and WG2084545 |  |
| <b>ER #<sup>1</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Description</b> |                                                          |  |
| The Exception Report intentionally left blank, there are no exceptions applied to this SDG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                          |  |
| <p>1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</p> <p>3. NA = Not applicable;</p> <p>4. NR = Not reviewed;</p> <p>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p> |                    |                                                          |  |

Collected date/time: 06/15/23 12:27

L1627445

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                        | CAS #      | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| Acetone                        | 67-64-1    | 58.10    | 125          | 297           | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 20.0         | 62.6          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Benzene                        | 71-43-2    | 78.10    | 400          | 1280          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 400          | 2080          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 400          | 2680          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Bromoform                      | 75-25-2    | 253      | 1200         | 12400         | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 20.0         | 77.6          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 200          | 443           | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 20.0         | 62.2          | 99.2           | 309             |           | 100      | <a href="#">WG2082855</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 20.0         | 126           | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 400          | 1850          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 20.0         | 52.8          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Chloroform                     | 67-66-3    | 119      | 20.0         | 97.3          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 20.0         | 41.3          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 400          | 2060          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 400          | 1380          | 29600          | 102000          |           | 2000     | <a href="#">WG2083774</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 400          | 3400          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 400          | 3080          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 400          | 2400          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 400          | 2400          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 400          | 2400          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 400          | 1620          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 20.0         | 80.2          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 20.0         | 79.3          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 20.0         | 79.3          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 20.0         | 79.3          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 400          | 1850          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 400          | 1820          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 400          | 1820          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 400          | 1440          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Ethanol                        | 64-17-5    | 46.10    | 250          | 471           | 844            | 1590            |           | 100      | <a href="#">WG2082855</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 400          | 1730          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 400          | 1960          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 20.0         | 112           | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 20.0         | 98.9          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 20.0         | 153           | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 20.0         | 140           | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Heptane                        | 142-82-5   | 100      | 400          | 1640          | 24000          | 98200           |           | 2000     | <a href="#">WG2083774</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 1260         | 13500         | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 12600        | 44400         | 628000         | 2210000         |           | 20000    | <a href="#">WG2084545</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 400          | 1970          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 20.0         | 69.4          | 26.6           | 92.4            |           | 100      | <a href="#">WG2082855</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 2500         | 10200         | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 125          | 369           | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 2500         | 10200         | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 400          | 1640          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| MTBE                           | 1634-04-4  | 88.10    | 20.0         | 72.1          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Naphthalene                    | 91-20-3    | 128      | 1260         | 6600          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 125          | 307           | 4100           | 10100           |           | 100      | <a href="#">WG2082855</a> |
| Propene                        | 115-07-1   | 42.10    | 125          | 215           | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Styrene                        | 100-42-5   | 104      | 400          | 1700          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 400          | 2750          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 400          | 2720          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 20.0         | 59.0          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Toluene                        | 108-88-3   | 92.10    | 1000         | 3770          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 1260         | 9330          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 06/15/23 12:27

Volatile Organic Compounds (MS) by Method TO-15

| Analyte                    | CAS #     | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane      | 71-55-6   | 133      | 20.0         | 109           | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 400          | 2180          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| Trichloroethylene          | 79-01-6   | 131      | 400          | 2140          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 400          | 1960          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 400          | 1960          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 20.0         | 93.4          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 20.0         | 51.1          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 20.0         | 87.5          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 20.0         | 70.4          | ND             | ND              |           | 100      | <a href="#">WG2082855</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 800          | 3470          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| o-Xylene                   | 95-47-6   | 106      | 400          | 1730          | ND             | ND              |           | 2000     | <a href="#">WG2083774</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 20000        | 82600         | 359000         | 1480000         |           | 100      | <a href="#">WG2082855</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 104            |                 |           |          | <a href="#">WG2082855</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 89.2           |                 |           |          | <a href="#">WG2083774</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 102            |                 |           |          | <a href="#">WG2084545</a> |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

L1627445-01

Method Blank (MB)

(MB) R3940406-2 06/22/23 12:24

| Analyte                        | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Acetone                        | U                 |              | 0.584          | 1.25           |
| Allyl chloride                 | U                 |              | 0.114          | 0.200          |
| Bromomethane                   | U                 |              | 0.0982         | 0.200          |
| 1,3-Butadiene                  | U                 |              | 0.104          | 2.00           |
| Carbon disulfide               | U                 |              | 0.102          | 0.200          |
| Carbon tetrachloride           | U                 |              | 0.0732         | 0.200          |
| Chloroethane                   | U                 |              | 0.0996         | 0.200          |
| Chloroform                     | U                 |              | 0.0717         | 0.200          |
| Chloromethane                  | U                 |              | 0.103          | 0.200          |
| 1,1-Dichloroethane             | U                 |              | 0.0723         | 0.200          |
| 1,1-Dichloroethene             | U                 |              | 0.0762         | 0.200          |
| cis-1,2-Dichloroethene         | U                 |              | 0.0784         | 0.200          |
| trans-1,2-Dichloroethene       | U                 |              | 0.0673         | 0.200          |
| Ethanol                        | 0.290             | U            | 0.265          | 2.50           |
| Trichlorofluoromethane         | U                 |              | 0.0819         | 0.200          |
| Dichlorodifluoromethane        | U                 |              | 0.137          | 0.200          |
| 1,1,2-Trichlorotrifluoroethane | U                 |              | 0.0793         | 0.200          |
| 1,2-Dichlorotetrafluoroethane  | U                 |              | 0.0890         | 0.200          |
| Methylene Chloride             | U                 |              | 0.0979         | 0.200          |
| 2-Butanone (MEK)               | U                 |              | 0.0814         | 1.25           |
| MTBE                           | U                 |              | 0.0647         | 0.200          |
| 2-Propanol                     | U                 |              | 0.264          | 1.25           |
| Propene                        | U                 |              | 0.0932         | 1.25           |
| Tetrahydrofuran                | U                 |              | 0.0734         | 0.200          |
| 1,1,1-Trichloroethane          | U                 |              | 0.0736         | 0.200          |
| 2,2,4-Trimethylpentane         | U                 |              | 0.133          | 0.200          |
| Vinyl chloride                 | U                 |              | 0.0949         | 0.200          |
| Vinyl Bromide                  | U                 |              | 0.0852         | 0.200          |
| Vinyl acetate                  | U                 |              | 0.116          | 0.200          |
| TPH (GC/MS) Low Fraction       | U                 |              | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene     | 99.1              |              |                | 60.0-140       |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3940406-1 06/22/23 09:16 • (LCSD) R3940406-3 06/22/23 16:10

| Analyte        | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone        | 3.75                 | 3.42               | 3.57                | 91.2          | 95.2           | 70.0-130         |               |                | 4.29     | 25              |
| Allyl chloride | 3.75                 | 3.29               | 3.42                | 87.7          | 91.2           | 70.0-130         |               |                | 3.87     | 25              |



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3940406-1 06/22/23 09:16 • (LCSD) R3940406-3 06/22/23 16:10

| Analyte                        | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Bromomethane                   | 3.75                 | 3.28               | 3.29                | 87.5          | 87.7           | 70.0-130         |               |                | 0.304    | 25              |
| 1,3-Butadiene                  | 3.75                 | 3.06               | 3.18                | 81.6          | 84.8           | 70.0-130         |               |                | 3.85     | 25              |
| Carbon disulfide               | 3.75                 | 3.26               | 3.41                | 86.9          | 90.9           | 70.0-130         |               |                | 4.50     | 25              |
| Carbon tetrachloride           | 3.75                 | 3.81               | 3.88                | 102           | 103            | 70.0-130         |               |                | 1.82     | 25              |
| Chloroethane                   | 3.75                 | 3.24               | 3.29                | 86.4          | 87.7           | 70.0-130         |               |                | 1.53     | 25              |
| Chloroform                     | 3.75                 | 3.47               | 3.54                | 92.5          | 94.4           | 70.0-130         |               |                | 2.00     | 25              |
| Chloromethane                  | 3.75                 | 3.15               | 3.26                | 84.0          | 86.9           | 70.0-130         |               |                | 3.43     | 25              |
| 1,1-Dichloroethane             | 3.75                 | 3.52               | 3.57                | 93.9          | 95.2           | 70.0-130         |               |                | 1.41     | 25              |
| 1,1-Dichloroethene             | 3.75                 | 3.29               | 3.40                | 87.7          | 90.7           | 70.0-130         |               |                | 3.29     | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 3.60               | 3.57                | 96.0          | 95.2           | 70.0-130         |               |                | 0.837    | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 3.57               | 3.64                | 95.2          | 97.1           | 70.0-130         |               |                | 1.94     | 25              |
| Ethanol                        | 3.75                 | 3.09               | 3.55                | 82.4          | 94.7           | 55.0-148         |               |                | 13.9     | 25              |
| Trichlorofluoromethane         | 3.75                 | 3.30               | 3.46                | 88.0          | 92.3           | 70.0-130         |               |                | 4.73     | 25              |
| Dichlorodifluoromethane        | 3.75                 | 3.14               | 3.08                | 83.7          | 82.1           | 64.0-139         |               |                | 1.93     | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 3.27               | 3.39                | 87.2          | 90.4           | 70.0-130         |               |                | 3.60     | 25              |
| 1,2-Dichlorotetrafluoroethane  | 3.75                 | 3.25               | 3.34                | 86.7          | 89.1           | 70.0-130         |               |                | 2.73     | 25              |
| Methylene Chloride             | 3.75                 | 3.20               | 3.29                | 85.3          | 87.7           | 70.0-130         |               |                | 2.77     | 25              |
| 2-Butanone (MEK)               | 3.75                 | 3.78               | 3.78                | 101           | 101            | 70.0-130         |               |                | 0.000    | 25              |
| MTBE                           | 3.75                 | 3.68               | 3.70                | 98.1          | 98.7           | 70.0-130         |               |                | 0.542    | 25              |
| 2-Propanol                     | 3.75                 | 3.23               | 3.58                | 86.1          | 95.5           | 70.0-139         |               |                | 10.3     | 25              |
| Propene                        | 3.75                 | 3.34               | 3.25                | 89.1          | 86.7           | 64.0-144         |               |                | 2.73     | 25              |
| Tetrahydrofuran                | 3.75                 | 3.49               | 3.48                | 93.1          | 92.8           | 70.0-137         |               |                | 0.287    | 25              |
| 1,1,1-Trichloroethane          | 3.75                 | 3.67               | 3.70                | 97.9          | 98.7           | 70.0-130         |               |                | 0.814    | 25              |
| 2,2,4-Trimethylpentane         | 3.75                 | 3.61               | 3.57                | 96.3          | 95.2           | 70.0-130         |               |                | 1.11     | 25              |
| Vinyl chloride                 | 3.75                 | 3.24               | 3.34                | 86.4          | 89.1           | 70.0-130         |               |                | 3.04     | 25              |
| Vinyl Bromide                  | 3.75                 | 3.33               | 3.43                | 88.8          | 91.5           | 70.0-130         |               |                | 2.96     | 25              |
| Vinyl acetate                  | 3.75                 | 3.64               | 3.46                | 97.1          | 92.3           | 70.0-130         |               |                | 5.07     | 25              |
| TPH (GC/MS) Low Fraction       | 188                  | 172                | 172                 | 91.5          | 91.5           | 70.0-130         |               |                | 0.000    | 25              |
| (S) 1,4-Bromofluorobenzene     |                      |                    |                     | 105           | 105            | 60.0-140         |               |                |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

L1627445-01

Method Blank (MB)

(MB) R3940968-3 06/24/23 08:42

| Analyte                     | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Benzene                     | U                 |              | 0.0715         | 0.200          |
| Benzyl Chloride             | U                 |              | 0.0598         | 0.200          |
| Bromodichloromethane        | U                 |              | 0.0702         | 0.200          |
| Bromoform                   | U                 |              | 0.0732         | 0.600          |
| Chlorobenzene               | U                 |              | 0.0832         | 0.200          |
| 2-Chlorotoluene             | U                 |              | 0.0828         | 0.200          |
| Cyclohexane                 | U                 |              | 0.0753         | 0.200          |
| Dibromochloromethane        | U                 |              | 0.0727         | 0.200          |
| 1,2-Dibromoethane           | U                 |              | 0.0721         | 0.200          |
| 1,2-Dichlorobenzene         | U                 |              | 0.128          | 0.200          |
| 1,3-Dichlorobenzene         | U                 |              | 0.182          | 0.200          |
| 1,4-Dichlorobenzene         | U                 |              | 0.0557         | 0.200          |
| 1,2-Dichloroethane          | U                 |              | 0.0700         | 0.200          |
| 1,2-Dichloropropane         | U                 |              | 0.0760         | 0.200          |
| cis-1,3-Dichloropropene     | U                 |              | 0.0689         | 0.200          |
| trans-1,3-Dichloropropene   | U                 |              | 0.0728         | 0.200          |
| 1,4-Dioxane                 | U                 |              | 0.0833         | 0.200          |
| Ethylbenzene                | U                 |              | 0.0835         | 0.200          |
| 4-Ethyltoluene              | U                 |              | 0.0783         | 0.200          |
| Heptane                     | U                 |              | 0.104          | 0.200          |
| Hexachloro-1,3-butadiene    | U                 |              | 0.105          | 0.630          |
| Isopropylbenzene            | U                 |              | 0.0777         | 0.200          |
| Methyl Butyl Ketone         | U                 |              | 0.133          | 1.25           |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.0765         | 1.25           |
| Methyl methacrylate         | U                 |              | 0.0876         | 0.200          |
| Naphthalene                 | U                 |              | 0.350          | 0.630          |
| Styrene                     | U                 |              | 0.0788         | 0.200          |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.0743         | 0.200          |
| Tetrachloroethylene         | U                 |              | 0.0814         | 0.200          |
| Toluene                     | U                 |              | 0.0870         | 0.500          |
| 1,2,4-Trichlorobenzene      | U                 |              | 0.148          | 0.630          |
| 1,1,2-Trichloroethane       | U                 |              | 0.0775         | 0.200          |
| Trichloroethylene           | U                 |              | 0.0680         | 0.200          |
| 1,2,4-Trimethylbenzene      | U                 |              | 0.0764         | 0.200          |
| 1,3,5-Trimethylbenzene      | U                 |              | 0.0779         | 0.200          |
| m&p-Xylene                  | U                 |              | 0.135          | 0.400          |
| o-Xylene                    | U                 |              | 0.0828         | 0.200          |
| (S) 1,4-Bromofluorobenzene  | 100               |              |                | 60.0-140       |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3940968-1 06/24/23 07:17 • (LCSD) R3940968-2 06/24/23 08:00

| Analyte                     | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                     | 3.75                 | 4.18               | 4.08                | 111           | 109            | 70.0-130         |               |                | 2.42     | 25              |
| Benzyl Chloride             | 3.75                 | 3.90               | 3.81                | 104           | 102            | 70.0-152         |               |                | 2.33     | 25              |
| Bromodichloromethane        | 3.75                 | 4.14               | 4.08                | 110           | 109            | 70.0-130         |               |                | 1.46     | 25              |
| Bromoform                   | 3.75                 | 4.20               | 4.14                | 112           | 110            | 70.0-130         |               |                | 1.44     | 25              |
| Chlorobenzene               | 3.75                 | 4.23               | 4.19                | 113           | 112            | 70.0-130         |               |                | 0.950    | 25              |
| 2-Chlorotoluene             | 3.75                 | 4.41               | 4.36                | 118           | 116            | 70.0-130         |               |                | 1.14     | 25              |
| Cyclohexane                 | 3.75                 | 4.57               | 4.49                | 122           | 120            | 70.0-130         |               |                | 1.77     | 25              |
| Dibromochloromethane        | 3.75                 | 4.19               | 4.17                | 112           | 111            | 70.0-130         |               |                | 0.478    | 25              |
| 1,2-Dibromoethane           | 3.75                 | 4.37               | 4.33                | 117           | 115            | 70.0-130         |               |                | 0.920    | 25              |
| 1,2-Dichlorobenzene         | 3.75                 | 4.56               | 4.52                | 122           | 121            | 70.0-130         |               |                | 0.881    | 25              |
| 1,3-Dichlorobenzene         | 3.75                 | 4.68               | 4.59                | 125           | 122            | 70.0-130         |               |                | 1.94     | 25              |
| 1,4-Dichlorobenzene         | 3.75                 | 4.77               | 4.67                | 127           | 125            | 70.0-130         |               |                | 2.12     | 25              |
| 1,2-Dichloroethane          | 3.75                 | 4.26               | 4.17                | 114           | 111            | 70.0-130         |               |                | 2.14     | 25              |
| 1,2-Dichloropropane         | 3.75                 | 4.15               | 4.04                | 111           | 108            | 70.0-130         |               |                | 2.69     | 25              |
| cis-1,3-Dichloropropene     | 3.75                 | 4.44               | 4.28                | 118           | 114            | 70.0-130         |               |                | 3.67     | 25              |
| trans-1,3-Dichloropropene   | 3.75                 | 4.42               | 4.36                | 118           | 116            | 70.0-130         |               |                | 1.37     | 25              |
| 1,4-Dioxane                 | 3.75                 | 4.66               | 4.53                | 124           | 121            | 70.0-140         |               |                | 2.83     | 25              |
| Ethylbenzene                | 3.75                 | 4.37               | 4.31                | 117           | 115            | 70.0-130         |               |                | 1.38     | 25              |
| 4-Ethyltoluene              | 3.75                 | 4.73               | 4.56                | 126           | 122            | 70.0-130         |               |                | 3.66     | 25              |
| Heptane                     | 3.75                 | 4.18               | 4.25                | 111           | 113            | 70.0-130         |               |                | 1.66     | 25              |
| Hexachloro-1,3-butadiene    | 3.75                 | 4.46               | 4.30                | 119           | 115            | 70.0-151         |               |                | 3.65     | 25              |
| Isopropylbenzene            | 3.75                 | 4.63               | 4.56                | 123           | 122            | 70.0-130         |               |                | 1.52     | 25              |
| Methyl Butyl Ketone         | 3.75                 | 3.88               | 3.78                | 103           | 101            | 70.0-149         |               |                | 2.61     | 25              |
| 4-Methyl-2-pentanone (MIBK) | 3.75                 | 4.34               | 4.29                | 116           | 114            | 70.0-139         |               |                | 1.16     | 25              |
| Methyl methacrylate         | 3.75                 | 4.35               | 4.31                | 116           | 115            | 70.0-130         |               |                | 0.924    | 25              |
| Naphthalene                 | 3.75                 | 3.61               | 3.47                | 96.3          | 92.5           | 70.0-159         |               |                | 3.95     | 25              |
| Styrene                     | 3.75                 | 4.60               | 4.54                | 123           | 121            | 70.0-130         |               |                | 1.31     | 25              |
| 1,1,2,2-Tetrachloroethane   | 3.75                 | 4.19               | 4.13                | 112           | 110            | 70.0-130         |               |                | 1.44     | 25              |
| Tetrachloroethylene         | 3.75                 | 4.37               | 4.31                | 117           | 115            | 70.0-130         |               |                | 1.38     | 25              |
| Toluene                     | 3.75                 | 4.30               | 4.23                | 115           | 113            | 70.0-130         |               |                | 1.64     | 25              |
| 1,2,4-Trichlorobenzene      | 3.75                 | 3.90               | 3.79                | 104           | 101            | 70.0-160         |               |                | 2.86     | 25              |
| 1,1,2-Trichloroethane       | 3.75                 | 4.26               | 4.19                | 114           | 112            | 70.0-130         |               |                | 1.66     | 25              |
| Trichloroethylene           | 3.75                 | 4.39               | 4.24                | 117           | 113            | 70.0-130         |               |                | 3.48     | 25              |
| 1,2,4-Trimethylbenzene      | 3.75                 | 4.72               | 4.61                | 126           | 123            | 70.0-130         |               |                | 2.36     | 25              |
| 1,3,5-Trimethylbenzene      | 3.75                 | 4.52               | 4.60                | 121           | 123            | 70.0-130         |               |                | 1.75     | 25              |
| m&p-Xylene                  | 7.50                 | 9.04               | 8.89                | 121           | 119            | 70.0-130         |               |                | 1.67     | 25              |
| o-Xylene                    | 3.75                 | 4.59               | 4.48                | 122           | 119            | 70.0-130         |               |                | 2.43     | 25              |
| (S) 1,4-Bromofluorobenzene  |                      |                    |                     | 103           | 104            | 60.0-140         |               |                |          |                 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Volatile Organic Compounds (MS) by Method TO-15 [L1627445-01](#)

Method Blank (MB)

(MB) R3941552-3 06/26/23 10:38

|                            | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
| Analyte                    | ppbv      |              | ppbv   | ppbv     |
| n-Hexane                   | U         |              | 0.206  | 0.630    |
| (S) 1,4-Bromofluorobenzene | 101       |              |        | 60.0-140 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3941552-1 06/26/23 09:11 • (LCSD) R3941552-2 06/26/23 09:55

|                            | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte                    | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %     | %          |
| n-Hexane                   | 3.75         | 3.69       | 3.67        | 98.4     | 97.9      | 70.0-130    |               |                | 0.543 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 102      | 104       | 60.0-140    |               |                |       |            |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ND                           | Not detected at the Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.                                                                                                                                                                                                                                               |
| U                            | Not detected at the Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.                                                                                    |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.                                                                                                                                                                                                                                                      |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.                                                                                                                                                                  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.                                                                                                                                                                          |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.                                                                                                                                                                                              |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.                                                              |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.                                                                                                                                                                                             |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.                                                                                                                                                                                                                                                                                                                                                            |

### Qualifier Description

|   |                                                                                     |
|---|-------------------------------------------------------------------------------------|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
|---|-------------------------------------------------------------------------------------|



## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                                |             |                             |                  |
|--------------------------------|-------------|-----------------------------|------------------|
| Alabama                        | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                         | 17-026      | Nevada                      | TN000032021-1    |
| Arizona                        | AZ0612      | New Hampshire               | 2975             |
| Arkansas                       | 88-0469     | New Jersey--NELAP           | TN002            |
| California                     | 2932        | New Mexico <sup>1</sup>     | TN00003          |
| Colorado                       | TN00003     | New York                    | 11742            |
| Connecticut                    | PH-0197     | North Carolina              | Env375           |
| Florida                        | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                        | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>           | 923         | North Dakota                | R-140            |
| Idaho                          | TN00003     | Ohio--VAP                   | CL0069           |
| Illinois                       | 200008      | Oklahoma                    | 9915             |
| Indiana                        | C-TN-01     | Oregon                      | TN200002         |
| Iowa                           | 364         | Pennsylvania                | 68-02979         |
| Kansas                         | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1 6</sup>        | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>          | 16          | South Dakota                | n/a              |
| Louisiana                      | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana                      | LA018       | Texas                       | T104704245-20-18 |
| Maine                          | TN00003     | Texas <sup>5</sup>          | LAB0152          |
| Maryland                       | 324         | Utah                        | TN000032021-11   |
| Massachusetts                  | M-TN003     | Vermont                     | VT2006           |
| Michigan                       | 9958        | Virginia                    | 110033           |
| Minnesota                      | 047-999-395 | Washington                  | C847             |
| Mississippi                    | TN00003     | West Virginia               | 233              |
| Missouri                       | 340         | Wisconsin                   | 998093910        |
| Montana                        | CERT0086    | Wyoming                     | A2LA             |
| A2LA -- ISO 17025              | 1461.01     | AIHA-LAP, LLC EMLAP         | 100789           |
| A2LA -- ISO 17025 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                         | 1461.01     | USDA                        | P330-15-00234    |
| EPA--Crypto                    | TN00003     |                             |                  |

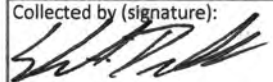
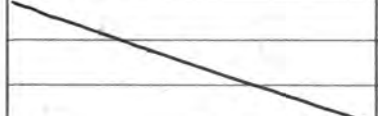
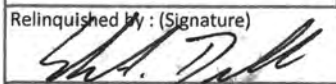
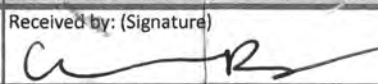
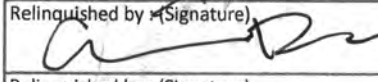
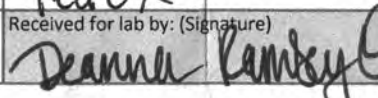
<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.





|                                                                                                                                                  |  |                                                                                                                                                                                                      |               |                                                                                                                                           |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------|---|-----------------------------------------------|-------------------------------------|--|--|--|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Company Name/Address:</b><br><b>Ensolum, LLC</b><br><br><b>601 Marienfeld #400</b><br><b>Midland, TX 79701</b>                                |  |                                                                                                                                                                                                      |               | <b>Billing Information:</b><br><br><b>Accounts Payable</b><br><b>2351 W Northwest Hwy. Ste.</b><br><b>1203</b><br><b>Dallas, TX 75220</b> |         |                                                    |   | Pres<br>Chk                                   | Analysis / Container / Preservative |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Chain of Custody Page 1 of 1                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
|                                                                                                                                                  |  |                                                                                                                                                                                                      |               |                                                                                                                                           |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <br>12065 Lebanon Road Mt Juliet, TN 37122<br>Phone: 615-758-5858 Alt: 800-767-5859<br>Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <a href="https://info.pacelabs.com/hubfs/pas-standard-terms.pdf">https://info.pacelabs.com/hubfs/pas-standard-terms.pdf</a> |  |  |
| <b>Report to:</b><br><b>Beaux Jennings</b>                                                                                                       |  |                                                                                                                                                                                                      |               | <b>Email To:</b> bjennings@ensolum.com                                                                                                    |         |                                                    |   | TO-15 Summa<br>No. of Cntrs                   |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SDG # <b>L1627445</b><br><b>C117</b><br><br>Acctnum: <b>ENSOLUMMTX</b><br>Template: <b>T180734</b><br>Prelogin: <b>P827709</b><br>PM: <b>134 - Mark W. Beasley</b><br>PB:<br>Shipped Via:<br>Remarks      Sample # (lab only)                                                                                                                                                                                                           |  |  |
| <b>Project Description:</b><br>Levey Well                                                                                                        |  | <b>City/State</b><br>Collected: Hobbs NM                                                                                                                                                             |               | Please Circle:<br>PT <input checked="" type="radio"/> MP <input type="radio"/> CT <input type="radio"/> ET                                |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| <b>Phone:</b> 210-219-8858                                                                                                                       |  | <b>Client Project #</b><br>03B1417001                                                                                                                                                                |               | <b>Lab Project #</b><br>ENSOLUMMTX-SUMMA                                                                                                  |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| <b>Collected by (print):</b><br>Shane Diller                                                                                                     |  | <b>Site/Facility ID #</b><br>03B1417001                                                                                                                                                              |               | <b>P.O. #</b><br>03B1417001                                                                                                               |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| <b>Collected by (signature):</b><br>                             |  | <b>Rush?</b> (Lab MUST Be Notified)<br>___ Same Day    ___ Five Day<br>___ Next Day    ___ 5 Day (Rad Only)<br>___ Two Day    ___ 10 Day (Rad Only)<br><input checked="" type="checkbox"/> Three Day |               | <b>Quote #</b><br><br>Date Results Needed                                                                                                 |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Immediately<br>Packed on Ice N <input checked="" type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/>                         |  |                                                                                                                                                                                                      |               |                                                                                                                                           |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Sample ID                                                                                                                                        |  | Comp/Grab                                                                                                                                                                                            | Matrix *      | Depth                                                                                                                                     | Date    | Time                                               |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Levey Well                                                                                                                                       |  | G                                                                                                                                                                                                    | Air           |                                                                                                                                           | 6-15-23 | 1227                                               | 1 | X                                             |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| <del>  </del>                                                    |  |                                                                                                                                                                                                      |               |                                                                                                                                           |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|                                                                                                                                                  |  |                                                                                                                                                                                                      |               |                                                                                                                                           |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|                                                                                                                                                  |  |                                                                                                                                                                                                      |               |                                                                                                                                           |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|                                                                                                                                                  |  |                                                                                                                                                                                                      |               |                                                                                                                                           |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|                                                                                                                                                  |  |                                                                                                                                                                                                      |               |                                                                                                                                           |         |                                                    |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| * Matrix:<br>SS - Soil   AIR - Air   F - Filter<br>GW - Groundwater   B - Bioassay<br>WW - WasteWater<br>DW - Drinking Water<br>OT - Other _____ |  | <b>Remarks:</b><br><br>Samples returned via:<br>___ UPS ___ FedEx ___ Courier _____                                                                                                                  |               |                                                                                                                                           |         | Tracking # _____                                   |   | pH _____ Temp _____<br>Flow _____ Other _____ |                                     |  |  |  |  |  |  |  |  | <b>Sample Receipt Checklist</b><br>COC Seal Present/Intact: <input type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>If Applicable<br>VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N<br>Preservation Correct/Checked: <input type="checkbox"/> Y <input type="checkbox"/> N<br>RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Relinquished by: (Signature)<br>                               |  | Date:<br>5/16/23                                                                                                                                                                                     | Time:<br>9:30 | Received by: (Signature)<br>                          |         | Trip Blank Received: Yes / No<br>HCL / MeOH<br>TBR |   |                                               |                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Relinquished by: (Signature)<br>                               |  | Date:<br>5/16/23                                                                                                                                                                                     | Time:<br>1700 | Received by: (Signature)<br>FedEx                                                                                                         |         | Temp: °C    Bottles Received:                      |   |                                               |                                     |  |  |  |  |  |  |  |  | If preservation required by Login: Date/Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Relinquished by: (Signature)                                                                                                                     |  | Date:                                                                                                                                                                                                | Time:         | Received for lab by: (Signature)<br>                  |         | Date:    Time:                                     |   |                                               |                                     |  |  |  |  |  |  |  |  | Hold:    Condition:<br>NCF / <input checked="" type="checkbox"/> OK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |





## ANALYTICAL REPORT

June 30, 2023

**Ensolum, LLC**

Sample Delivery Group: L1629901  
Samples Received: 06/27/2023  
Project Number: 03B1417001  
Description: Levey Well  
Site: 03B1417001  
Report To: Beaux Jennings  
601 N Marienfeld Street, Ste. 400  
Midland, TX 79701

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Tr<sup>6</sup> Sr<sup>7</sup> Qc<sup>8</sup> Gl<sup>9</sup> Al<sup>10</sup> Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chad Upchurch".

Chad A Upchurch  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

|                                                 |    |                  |
|-------------------------------------------------|----|------------------|
| Cp: Cover Page                                  | 1  | <sup>1</sup> Cp  |
| Tc: Table of Contents                           | 2  |                  |
| Ss: Sample Summary                              | 3  | <sup>2</sup> Tc  |
| Cn: Case Narrative                              | 4  |                  |
| Tr: TRRP Summary                                | 5  | <sup>3</sup> Ss  |
| TRRP form R                                     | 6  |                  |
| TRRP form S                                     | 7  | <sup>4</sup> Cn  |
| TRRP Exception Reports                          | 8  | <sup>5</sup> Tr  |
| Sr: Sample Results                              | 9  |                  |
| LEVEY WELL L1629901-01                          | 9  | <sup>6</sup> Sr  |
| Qc: Quality Control Summary                     | 11 | <sup>7</sup> Qc  |
| Volatile Organic Compounds (MS) by Method TO-15 | 11 |                  |
| Gl: Glossary of Terms                           | 16 | <sup>8</sup> Gl  |
| Al: Accreditations & Locations                  | 17 |                  |
| Sc: Sample Chain of Custody                     | 18 | <sup>9</sup> Al  |
|                                                 |    | <sup>10</sup> Sc |

LEVEY WELL L1629901-01 Air

Collected by  
Shane Diller

Collected date/time  
06/23/23 11:39

Received date/time  
06/27/23 09:00

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2085891 | 500      | 06/28/23 18:56        | 06/28/23 18:56     | JAP     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2086682 | 10000    | 06/29/23 15:46        | 06/29/23 15:46     | SDS     | Mt. Juliet, TN |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



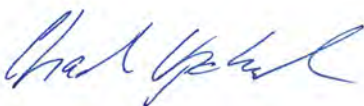
Chad A Upchurch  
Project Manager

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Tr
- <sup>6</sup> Sr
- <sup>7</sup> Qc
- <sup>8</sup> Gl
- <sup>9</sup> Al
- <sup>10</sup> Sc

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.



Chad A Upchurch  
Project Manager

# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |                |                                                                                                                                                                          | LRC Date: 06/30/2023 09:22                    |    |                 |                 |                  |
|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |                |                                                                                                                                                                          | Laboratory Job Number: L1629901-01            |    |                 |                 |                  |
| Reviewer Name: Chad A Upchurch            |                |                                                                                                                                                                          | Prep Batch Number(s): WG2085891 and WG2086682 |    |                 |                 |                  |
| # <sup>1</sup>                            | A <sup>2</sup> | Description                                                                                                                                                              | Yes                                           | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| R1                                        | OI             | Chain-of-custody (C-O-C)                                                                                                                                                 |                                               |    |                 |                 |                  |
|                                           |                | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?                                                                              | X                                             |    |                 |                 |                  |
|                                           |                | Were all departures from standard conditions described in an exception report?                                                                                           |                                               |    | X               |                 |                  |
| R2                                        | OI             | Sample and quality control (QC) identification                                                                                                                           |                                               |    |                 |                 |                  |
|                                           |                | Are all field sample ID numbers cross-referenced to the laboratory ID numbers?                                                                                           | X                                             |    |                 |                 |                  |
|                                           |                | Are all laboratory ID numbers cross-referenced to the corresponding QC data?                                                                                             | X                                             |    |                 |                 |                  |
| R3                                        | OI             | Test reports                                                                                                                                                             |                                               |    |                 |                 |                  |
|                                           |                | Were all samples prepared and analyzed within holding times?                                                                                                             | X                                             |    |                 |                 |                  |
|                                           |                | Other than those results < MQL, were all other raw values bracketed by calibration standards?                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Were calculations checked by a peer or supervisor?                                                                                                                       | X                                             |    |                 |                 |                  |
|                                           |                | Were all analyte identifications checked by a peer or supervisor?                                                                                                        | X                                             |    |                 |                 |                  |
|                                           |                | Were sample detection limits reported for all analytes not detected?                                                                                                     | X                                             |    |                 |                 |                  |
|                                           |                | Were all results for soil and sediment samples reported on a dry weight basis?                                                                                           | X                                             |    |                 |                 |                  |
|                                           |                | Were % moisture (or solids) reported for all soil and sediment samples?                                                                                                  |                                               |    | X               |                 |                  |
|                                           |                | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?                                                                      |                                               |    | X               |                 |                  |
|                                           |                | If required for the project, are TICs reported?                                                                                                                          |                                               |    | X               |                 |                  |
| R4                                        | O              | Surrogate recovery data                                                                                                                                                  |                                               |    |                 |                 |                  |
|                                           |                | Were surrogates added prior to extraction?                                                                                                                               | X                                             |    |                 |                 |                  |
|                                           |                | Were surrogate percent recoveries in all samples within the laboratory QC limits?                                                                                        | X                                             |    |                 |                 |                  |
| R5                                        | OI             | Test reports/summary forms for blank samples                                                                                                                             |                                               |    |                 |                 |                  |
|                                           |                | Were appropriate type(s) of blanks analyzed?                                                                                                                             | X                                             |    |                 |                 |                  |
|                                           |                | Were blanks analyzed at the appropriate frequency?                                                                                                                       | X                                             |    |                 |                 |                  |
|                                           |                | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?                                            | X                                             |    |                 |                 |                  |
|                                           |                | Were blank concentrations < MQL?                                                                                                                                         | X                                             |    |                 |                 |                  |
| R6                                        | OI             | Laboratory control samples (LCS):                                                                                                                                        |                                               |    |                 |                 |                  |
|                                           |                | Were all COCs included in the LCS?                                                                                                                                       | X                                             |    |                 |                 |                  |
|                                           |                | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Were LCSs analyzed at the required frequency?                                                                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?                                                                                                  | X                                             |    |                 |                 |                  |
|                                           |                | Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?                                  | X                                             |    |                 |                 |                  |
|                                           |                | Was the LCSD RPD within QC limits?                                                                                                                                       | X                                             |    |                 |                 |                  |
| R7                                        | OI             | Matrix spike (MS) and matrix spike duplicate (MSD) data                                                                                                                  |                                               |    |                 |                 |                  |
|                                           |                | Were the project/method specified analytes included in the MS and MSD?                                                                                                   |                                               |    | X               |                 |                  |
|                                           |                | Were MS/MSD analyzed at the appropriate frequency?                                                                                                                       |                                               |    | X               |                 |                  |
|                                           |                | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?                                                                                                    |                                               |    | X               |                 |                  |
|                                           |                | Were MS/MSD RPDs within laboratory QC limits?                                                                                                                            |                                               |    | X               |                 |                  |
| R8                                        | OI             | Analytical duplicate data                                                                                                                                                |                                               |    |                 |                 |                  |
|                                           |                | Were appropriate analytical duplicates analyzed for each matrix?                                                                                                         |                                               |    | X               |                 |                  |
|                                           |                | Were analytical duplicates analyzed at the appropriate frequency?                                                                                                        |                                               |    | X               |                 |                  |
|                                           |                | Were RPDs or relative standard deviations within the laboratory QC limits?                                                                                               |                                               |    | X               |                 |                  |
| R9                                        | OI             | Method quantitation limits (MQLs):                                                                                                                                       |                                               |    |                 |                 |                  |
|                                           |                | Are the MQLs for each method analyte included in the laboratory data package?                                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?                                                                                 | X                                             |    |                 |                 |                  |
|                                           |                | Are unadjusted MQLs and DCSs included in the laboratory data package?                                                                                                    | X                                             |    |                 |                 |                  |
| R10                                       | OI             | Other problems/anomalies                                                                                                                                                 |                                               |    |                 |                 |                  |
|                                           |                | Are all known problems/anomalies/special conditions noted in this LRC and ER?                                                                                            | X                                             |    |                 |                 |                  |
|                                           |                | Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?                                         | X                                             |    |                 |                 |                  |
|                                           |                | Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package? | X                                             |    |                 |                 |                  |

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.  
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);  
3. NA = Not applicable;  
4. NR = Not reviewed;  
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# Laboratory Review Checklist: Supporting Data

| Laboratory Name: Pace Analytical National                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                                                                                                        | LRC Date: 06/30/2023 09:22                    |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                        | Laboratory Job Number: L1629901-01            |    |                 |                 |                  |
| Reviewer Name: Chad A Upchurch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                                                                                                        | Prep Batch Number(s): WG2085891 and WG2086682 |    |                 |                 |                  |
| # <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A <sup>2</sup> | Description                                                                                            | Yes                                           | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| S1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Initial calibration (ICAL)                                                                             |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were response factors and/or relative response factors for each analyte within QC limits?              | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent RSDs or correlation coefficient criteria met?                                             | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the number of standards recommended in the method used for all analytes?                           | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were all points generated between the lowest and highest standard used to calculate the curve?         | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are ICAL data available for all instruments used?                                                      | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Has the initial calibration curve been verified using an appropriate second source standard?           | X                                             |    |                 |                 |                  |
| S2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB): |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the CCV analyzed at the method-required frequency?                                                 | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent differences for each analyte within the method-required QC limits?                        | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the ICAL curve verified for each analyte?                                                          | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the absolute value of the analyte concentration in the inorganic CCB < MDL?                        |                                               |    | X               |                 |                  |
| S3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Mass spectral tuning                                                                                   |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the appropriate compound for the method used for tuning?                                           | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were ion abundance data within the method-required QC limits?                                          | X                                             |    |                 |                 |                  |
| S4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Internal standards (IS)                                                                                |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were IS area counts and retention times within the method-required QC limits?                          | X                                             |    |                 |                 |                  |
| S5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Raw data (NELAC Section 5.5.10)                                                                        |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?                  | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were data associated with manual integrations flagged on the raw data?                                 | X                                             |    |                 |                 |                  |
| S6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Dual column confirmation                                                                               |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Did dual column confirmation results meet the method-required QC?                                      |                                               |    | X               |                 |                  |
| S7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Tentatively identified compounds (TICs)                                                                |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?              |                                               |    | X               |                 |                  |
| S8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | Interference Check Sample (ICS) results                                                                |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent recoveries within method QC limits?                                                       |                                               |    | X               |                 |                  |
| S9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | Serial dilutions, post digestion spikes, and method of standard additions                              |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent differences, recoveries, and the linearity within the QC limits specified in the method?  |                                               |    | X               |                 |                  |
| S10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Method detection limit (MDL) studies                                                                   |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was a MDL study performed for each reported analyte?                                                   | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Is the MDL either adjusted or supported by the analysis of DCSs?                                       | X                                             |    |                 |                 |                  |
| S11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Proficiency test reports                                                                               |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X                                             |    |                 |                 |                  |
| S12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Standards documentation                                                                                |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?      | X                                             |    |                 |                 |                  |
| S13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Compound/analyte identification procedures                                                             |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are the procedures for compound/analyte identification documented?                                     | X                                             |    |                 |                 |                  |
| S14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Demonstration of analyst competency (DOC)                                                              |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was DOC conducted consistent with NELAC Chapter 5?                                                     | X                                             |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Is documentation of the analyst's competency up-to-date and on file?                                   | X                                             |    |                 |                 |                  |
| S15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Verification/validation documentation for methods (NELAC Chapter 5)                                    |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are all the methods used to generate the data documented, verified, and validated, where applicable?   | X                                             |    |                 |                 |                  |
| S16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Laboratory standard operating procedures (SOPs)                                                        |                                               |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are laboratory SOPs current and on file for each method performed                                      | X                                             |    |                 |                 |                  |
| <p>1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</p> <p>3. NA = Not applicable;</p> <p>4. NR = Not reviewed;</p> <p>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p> |                |                                                                                                        |                                               |    |                 |                 |                  |



## Laboratory Review Checklist: Exception Reports

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                                               |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------|--|
| Laboratory Name: Pace Analytical National                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | LRC Date: 06/30/2023 09:22                    |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    | Laboratory Job Number: L1629901-01            |  |
| Reviewer Name: Chad A Upchurch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    | Prep Batch Number(s): WG2085891 and WG2086682 |  |
| <b>ER #<sup>1</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Description</b> |                                               |  |
| The Exception Report intentionally left blank, there are no exceptions applied to this SDG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                               |  |
| <p>1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</p> <p>3. NA = Not applicable;</p> <p>4. NR = Not reviewed;</p> <p>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p> |                    |                                               |  |

Collected date/time: 06/23/23 11:39

L1629901

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                        | CAS #      | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| Acetone                        | 67-64-1    | 58.10    | 625          | 1490          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 100          | 313           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Benzene                        | 71-43-2    | 78.10    | 100          | 319           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 100          | 519           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 100          | 671           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Bromoform                      | 75-25-2    | 253      | 300          | 3100          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 100          | 388           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 1000         | 2210          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 100          | 311           | 135            | 420             |           | 500      | <a href="#">WG2085891</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 100          | 630           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 100          | 462           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 100          | 264           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Chloroform                     | 67-66-3    | 119      | 100          | 487           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 100          | 207           | 21400          | 44200           |           | 500      | <a href="#">WG2085891</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 100          | 515           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 100          | 344           | 28500          | 98100           |           | 500      | <a href="#">WG2085891</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 100          | 851           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 100          | 769           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 100          | 601           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 100          | 601           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 100          | 601           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 100          | 405           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 100          | 401           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 100          | 396           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 100          | 396           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 100          | 396           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 100          | 462           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 100          | 454           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 100          | 454           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 100          | 360           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Ethanol                        | 64-17-5    | 46.10    | 1250         | 2360          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 100          | 434           | 123            | 533             |           | 500      | <a href="#">WG2085891</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 100          | 491           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 100          | 562           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 100          | 495           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 100          | 766           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 100          | 699           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Heptane                        | 142-82-5   | 100      | 100          | 409           | 21800          | 89200           |           | 500      | <a href="#">WG2085891</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 315          | 3360          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 6300         | 22200         | 458000         | 1610000         |           | 10000    | <a href="#">WG2086682</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 100          | 492           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 100          | 347           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 625          | 2560          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 625          | 1840          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 625          | 2560          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 100          | 409           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| MTBE                           | 1634-04-4  | 88.10    | 100          | 360           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Naphthalene                    | 91-20-3    | 128      | 315          | 1650          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 625          | 1540          | 6020           | 14800           |           | 500      | <a href="#">WG2085891</a> |
| Propene                        | 115-07-1   | 42.10    | 625          | 1080          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Styrene                        | 100-42-5   | 104      | 100          | 425           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 100          | 687           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 100          | 679           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 100          | 295           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Toluene                        | 108-88-3   | 92.10    | 250          | 942           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 315          | 2330          | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |



Collected date/time: 06/23/23 11:39

L1629901

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                    | CAS #     | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane      | 71-55-6   | 133      | 100          | 544           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 100          | 544           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Trichloroethylene          | 79-01-6   | 131      | 100          | 536           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 100          | 491           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 100          | 491           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 100          | 467           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 100          | 256           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 100          | 437           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 100          | 352           | ND             | ND              |           | 500      | <a href="#">WG2085891</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 200          | 867           | 297            | 1290            |           | 500      | <a href="#">WG2085891</a> |
| o-Xylene                   | 95-47-6   | 106      | 100          | 434           | 138            | 598             |           | 500      | <a href="#">WG2085891</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 100000       | 413000        | 589000         | 2430000         |           | 500      | <a href="#">WG2085891</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 98.8           |                 |           |          | <a href="#">WG2085891</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 90.3           |                 |           |          | <a href="#">WG2086682</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Tr<sup>6</sup> Sr<sup>7</sup> Qc<sup>8</sup> Gl<sup>9</sup> Al<sup>10</sup> Sc

Method Blank (MB)

(MB) R3942752-3 06/28/23 12:02

| Analyte                        | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Acetone                        | U                 |              | 0.584          | 1.25           |
| Allyl chloride                 | U                 |              | 0.114          | 0.200          |
| Benzene                        | U                 |              | 0.0715         | 0.200          |
| Benzyl Chloride                | U                 |              | 0.0598         | 0.200          |
| Bromodichloromethane           | U                 |              | 0.0702         | 0.200          |
| Bromoform                      | U                 |              | 0.0732         | 0.600          |
| Bromomethane                   | U                 |              | 0.0982         | 0.200          |
| 1,3-Butadiene                  | U                 |              | 0.104          | 2.00           |
| Carbon disulfide               | U                 |              | 0.102          | 0.200          |
| Carbon tetrachloride           | U                 |              | 0.0732         | 0.200          |
| Chlorobenzene                  | U                 |              | 0.0832         | 0.200          |
| Chloroethane                   | U                 |              | 0.0996         | 0.200          |
| Chloroform                     | U                 |              | 0.0717         | 0.200          |
| Chloromethane                  | U                 |              | 0.103          | 0.200          |
| 2-Chlorotoluene                | U                 |              | 0.0828         | 0.200          |
| Cyclohexane                    | U                 |              | 0.0753         | 0.200          |
| Dibromochloromethane           | U                 |              | 0.0727         | 0.200          |
| 1,2-Dibromoethane              | U                 |              | 0.0721         | 0.200          |
| 1,2-Dichlorobenzene            | U                 |              | 0.128          | 0.200          |
| 1,3-Dichlorobenzene            | U                 |              | 0.182          | 0.200          |
| 1,4-Dichlorobenzene            | U                 |              | 0.0557         | 0.200          |
| 1,2-Dichloroethane             | U                 |              | 0.0700         | 0.200          |
| 1,1-Dichloroethane             | U                 |              | 0.0723         | 0.200          |
| 1,1-Dichloroethene             | U                 |              | 0.0762         | 0.200          |
| cis-1,2-Dichloroethene         | U                 |              | 0.0784         | 0.200          |
| trans-1,2-Dichloroethene       | U                 |              | 0.0673         | 0.200          |
| 1,2-Dichloropropane            | U                 |              | 0.0760         | 0.200          |
| cis-1,3-Dichloropropene        | U                 |              | 0.0689         | 0.200          |
| trans-1,3-Dichloropropene      | U                 |              | 0.0728         | 0.200          |
| 1,4-Dioxane                    | U                 |              | 0.0833         | 0.200          |
| Ethanol                        | U                 |              | 0.265          | 2.50           |
| Ethylbenzene                   | U                 |              | 0.0835         | 0.200          |
| 4-Ethyltoluene                 | U                 |              | 0.0783         | 0.200          |
| Trichlorofluoromethane         | U                 |              | 0.0819         | 0.200          |
| Dichlorodifluoromethane        | U                 |              | 0.137          | 0.200          |
| 1,1,2-Trichlorotrifluoroethane | U                 |              | 0.0793         | 0.200          |
| 1,2-Dichlorotetrafluoroethane  | U                 |              | 0.0890         | 0.200          |
| Heptane                        | U                 |              | 0.104          | 0.200          |
| Hexachloro-1,3-butadiene       | U                 |              | 0.105          | 0.630          |
| Isopropylbenzene               | U                 |              | 0.0777         | 0.200          |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Volatile Organic Compounds (MS) by Method TO-15

L1629901-01

Method Blank (MB)

(MB) R3942752-3 06/28/23 12:02

| Analyte                     | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Methylene Chloride          | U                 |              | 0.0979         | 0.200          |
| Methyl Butyl Ketone         | U                 |              | 0.133          | 1.25           |
| 2-Butanone (MEK)            | U                 |              | 0.0814         | 1.25           |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.0765         | 1.25           |
| Methyl methacrylate         | U                 |              | 0.0876         | 0.200          |
| MTBE                        | U                 |              | 0.0647         | 0.200          |
| Naphthalene                 | U                 |              | 0.350          | 0.630          |
| 2-Propanol                  | U                 |              | 0.264          | 1.25           |
| Propene                     | U                 |              | 0.0932         | 1.25           |
| Styrene                     | U                 |              | 0.0788         | 0.200          |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.0743         | 0.200          |
| Tetrachloroethylene         | U                 |              | 0.0814         | 0.200          |
| Tetrahydrofuran             | U                 |              | 0.0734         | 0.200          |
| Toluene                     | U                 |              | 0.0870         | 0.500          |
| 1,2,4-Trichlorobenzene      | U                 |              | 0.148          | 0.630          |
| 1,1,1-Trichloroethane       | U                 |              | 0.0736         | 0.200          |
| 1,1,2-Trichloroethane       | U                 |              | 0.0775         | 0.200          |
| Trichloroethylene           | U                 |              | 0.0680         | 0.200          |
| 1,2,4-Trimethylbenzene      | U                 |              | 0.0764         | 0.200          |
| 1,3,5-Trimethylbenzene      | U                 |              | 0.0779         | 0.200          |
| 2,2,4-Trimethylpentane      | U                 |              | 0.133          | 0.200          |
| Vinyl chloride              | U                 |              | 0.0949         | 0.200          |
| Vinyl Bromide               | U                 |              | 0.0852         | 0.200          |
| Vinyl acetate               | U                 |              | 0.116          | 0.200          |
| m&p-Xylene                  | U                 |              | 0.135          | 0.400          |
| o-Xylene                    | U                 |              | 0.0828         | 0.200          |
| TPH (GC/MS) Low Fraction    | 40.0              | ⬇            | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene  | 98.4              |              |                | 60.0-140       |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3942752-1 06/28/23 11:04 • (LCSD) R3942752-2 06/28/23 11:34

| Analyte              | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 3.75                 | 3.56               | 3.66                | 94.9          | 97.6           | 70.0-130         |               |                | 2.77     | 25              |
| Allyl chloride       | 3.75                 | 3.56               | 3.59                | 94.9          | 95.7           | 70.0-130         |               |                | 0.839    | 25              |
| Benzene              | 3.75                 | 3.74               | 3.76                | 99.7          | 100            | 70.0-130         |               |                | 0.533    | 25              |
| Benzyl Chloride      | 3.75                 | 3.96               | 3.98                | 106           | 106            | 70.0-152         |               |                | 0.504    | 25              |
| Bromodichloromethane | 3.75                 | 3.82               | 3.86                | 102           | 103            | 70.0-130         |               |                | 1.04     | 25              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3942752-1 06/28/23 11:04 • (LCSD) R3942752-2 06/28/23 11:34

| Analyte                        | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Bromoform                      | 3.75                 | 3.70               | 3.64                | 98.7          | 97.1           | 70.0-130         |               |                | 1.63     | 25              |
| Bromomethane                   | 3.75                 | 3.44               | 3.50                | 91.7          | 93.3           | 70.0-130         |               |                | 1.73     | 25              |
| 1,3-Butadiene                  | 3.75                 | 3.79               | 3.67                | 101           | 97.9           | 70.0-130         |               |                | 3.22     | 25              |
| Carbon disulfide               | 3.75                 | 3.78               | 3.69                | 101           | 98.4           | 70.0-130         |               |                | 2.41     | 25              |
| Carbon tetrachloride           | 3.75                 | 3.72               | 3.64                | 99.2          | 97.1           | 70.0-130         |               |                | 2.17     | 25              |
| Chlorobenzene                  | 3.75                 | 3.81               | 3.80                | 102           | 101            | 70.0-130         |               |                | 0.263    | 25              |
| Chloroethane                   | 3.75                 | 3.56               | 3.50                | 94.9          | 93.3           | 70.0-130         |               |                | 1.70     | 25              |
| Chloroform                     | 3.75                 | 3.61               | 3.63                | 96.3          | 96.8           | 70.0-130         |               |                | 0.552    | 25              |
| Chloromethane                  | 3.75                 | 3.58               | 3.53                | 95.5          | 94.1           | 70.0-130         |               |                | 1.41     | 25              |
| 2-Chlorotoluene                | 3.75                 | 3.76               | 3.73                | 100           | 99.5           | 70.0-130         |               |                | 0.801    | 25              |
| Cyclohexane                    | 3.75                 | 3.52               | 3.61                | 93.9          | 96.3           | 70.0-130         |               |                | 2.52     | 25              |
| Dibromochloromethane           | 3.75                 | 3.78               | 3.93                | 101           | 105            | 70.0-130         |               |                | 3.89     | 25              |
| 1,2-Dibromoethane              | 3.75                 | 3.79               | 3.76                | 101           | 100            | 70.0-130         |               |                | 0.795    | 25              |
| 1,2-Dichlorobenzene            | 3.75                 | 3.66               | 3.76                | 97.6          | 100            | 70.0-130         |               |                | 2.70     | 25              |
| 1,3-Dichlorobenzene            | 3.75                 | 3.75               | 3.75                | 100           | 100            | 70.0-130         |               |                | 0.000    | 25              |
| 1,4-Dichlorobenzene            | 3.75                 | 3.71               | 3.73                | 98.9          | 99.5           | 70.0-130         |               |                | 0.538    | 25              |
| 1,2-Dichloroethane             | 3.75                 | 3.70               | 3.71                | 98.7          | 98.9           | 70.0-130         |               |                | 0.270    | 25              |
| 1,1-Dichloroethane             | 3.75                 | 3.67               | 3.68                | 97.9          | 98.1           | 70.0-130         |               |                | 0.272    | 25              |
| 1,1-Dichloroethene             | 3.75                 | 3.62               | 3.61                | 96.5          | 96.3           | 70.0-130         |               |                | 0.277    | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 3.63               | 3.65                | 96.8          | 97.3           | 70.0-130         |               |                | 0.549    | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 3.60               | 3.76                | 96.0          | 100            | 70.0-130         |               |                | 4.35     | 25              |
| 1,2-Dichloropropane            | 3.75                 | 3.86               | 3.75                | 103           | 100            | 70.0-130         |               |                | 2.89     | 25              |
| cis-1,3-Dichloropropene        | 3.75                 | 4.01               | 3.92                | 107           | 105            | 70.0-130         |               |                | 2.27     | 25              |
| trans-1,3-Dichloropropene      | 3.75                 | 3.79               | 3.86                | 101           | 103            | 70.0-130         |               |                | 1.83     | 25              |
| 1,4-Dioxane                    | 3.75                 | 3.65               | 3.64                | 97.3          | 97.1           | 70.0-140         |               |                | 0.274    | 25              |
| Ethanol                        | 3.75                 | 3.62               | 3.69                | 96.5          | 98.4           | 55.0-148         |               |                | 1.92     | 25              |
| Ethylbenzene                   | 3.75                 | 3.67               | 3.72                | 97.9          | 99.2           | 70.0-130         |               |                | 1.35     | 25              |
| 4-Ethyltoluene                 | 3.75                 | 3.85               | 3.76                | 103           | 100            | 70.0-130         |               |                | 2.37     | 25              |
| Trichlorofluoromethane         | 3.75                 | 3.52               | 3.56                | 93.9          | 94.9           | 70.0-130         |               |                | 1.13     | 25              |
| Dichlorodifluoromethane        | 3.75                 | 3.56               | 3.58                | 94.9          | 95.5           | 64.0-139         |               |                | 0.560    | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 3.55               | 3.59                | 94.7          | 95.7           | 70.0-130         |               |                | 1.12     | 25              |
| 1,2-Dichlorotetrafluoroethane  | 3.75                 | 3.58               | 3.57                | 95.5          | 95.2           | 70.0-130         |               |                | 0.280    | 25              |
| Heptane                        | 3.75                 | 3.82               | 3.81                | 102           | 102            | 70.0-130         |               |                | 0.262    | 25              |
| Hexachloro-1,3-butadiene       | 3.75                 | 3.57               | 3.44                | 95.2          | 91.7           | 70.0-151         |               |                | 3.71     | 25              |
| Isopropylbenzene               | 3.75                 | 3.77               | 3.75                | 101           | 100            | 70.0-130         |               |                | 0.532    | 25              |
| Methylene Chloride             | 3.75                 | 3.53               | 3.60                | 94.1          | 96.0           | 70.0-130         |               |                | 1.96     | 25              |
| Methyl Butyl Ketone            | 3.75                 | 3.89               | 3.84                | 104           | 102            | 70.0-149         |               |                | 1.29     | 25              |
| 2-Butanone (MEK)               | 3.75                 | 3.70               | 3.89                | 98.7          | 104            | 70.0-130         |               |                | 5.01     | 25              |
| 4-Methyl-2-pentanone (MIBK)    | 3.75                 | 3.91               | 3.58                | 104           | 95.5           | 70.0-139         |               |                | 8.81     | 25              |
| Methyl methacrylate            | 3.75                 | 3.63               | 3.70                | 96.8          | 98.7           | 70.0-130         |               |                | 1.91     | 25              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Volatile Organic Compounds (MS) by Method TO-15 [L1629901-01](#)

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3942752-1 06/28/23 11:04 • (LCSD) R3942752-2 06/28/23 11:34

| Analyte                    | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| MTBE                       | 3.75                 | 3.68               | 3.67                | 98.1          | 97.9           | 70.0-130         |                      |                       | 0.272    | 25              |
| Naphthalene                | 3.75                 | 3.98               | 4.06                | 106           | 108            | 70.0-159         |                      |                       | 1.99     | 25              |
| 2-Propanol                 | 3.75                 | 3.59               | 3.58                | 95.7          | 95.5           | 70.0-139         |                      |                       | 0.279    | 25              |
| Propene                    | 3.75                 | 3.72               | 3.68                | 99.2          | 98.1           | 64.0-144         |                      |                       | 1.08     | 25              |
| Styrene                    | 3.75                 | 3.71               | 3.77                | 98.9          | 101            | 70.0-130         |                      |                       | 1.60     | 25              |
| 1,1,2,2-Tetrachloroethane  | 3.75                 | 3.84               | 3.84                | 102           | 102            | 70.0-130         |                      |                       | 0.000    | 25              |
| Tetrachloroethylene        | 3.75                 | 3.70               | 3.62                | 98.7          | 96.5           | 70.0-130         |                      |                       | 2.19     | 25              |
| Tetrahydrofuran            | 3.75                 | 3.89               | 3.83                | 104           | 102            | 70.0-137         |                      |                       | 1.55     | 25              |
| Toluene                    | 3.75                 | 3.74               | 3.81                | 99.7          | 102            | 70.0-130         |                      |                       | 1.85     | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 4.43               | 4.39                | 118           | 117            | 70.0-160         |                      |                       | 0.907    | 25              |
| 1,1,1-Trichloroethane      | 3.75                 | 3.70               | 3.65                | 98.7          | 97.3           | 70.0-130         |                      |                       | 1.36     | 25              |
| 1,1,2-Trichloroethane      | 3.75                 | 3.67               | 3.66                | 97.9          | 97.6           | 70.0-130         |                      |                       | 0.273    | 25              |
| Trichloroethylene          | 3.75                 | 3.70               | 3.78                | 98.7          | 101            | 70.0-130         |                      |                       | 2.14     | 25              |
| 1,2,4-Trimethylbenzene     | 3.75                 | 3.82               | 3.82                | 102           | 102            | 70.0-130         |                      |                       | 0.000    | 25              |
| 1,3,5-Trimethylbenzene     | 3.75                 | 3.74               | 3.81                | 99.7          | 102            | 70.0-130         |                      |                       | 1.85     | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 3.70               | 3.75                | 98.7          | 100            | 70.0-130         |                      |                       | 1.34     | 25              |
| Vinyl chloride             | 3.75                 | 3.56               | 3.52                | 94.9          | 93.9           | 70.0-130         |                      |                       | 1.13     | 25              |
| Vinyl Bromide              | 3.75                 | 3.67               | 3.70                | 97.9          | 98.7           | 70.0-130         |                      |                       | 0.814    | 25              |
| Vinyl acetate              | 3.75                 | 3.36               | 3.20                | 89.6          | 85.3           | 70.0-130         |                      |                       | 4.88     | 25              |
| m&p-Xylene                 | 7.50                 | 7.61               | 7.62                | 101           | 102            | 70.0-130         |                      |                       | 0.131    | 25              |
| o-Xylene                   | 3.75                 | 3.79               | 3.83                | 101           | 102            | 70.0-130         |                      |                       | 1.05     | 25              |
| TPH (GC/MS) Low Fraction   | 188                  | 183                | 184                 | 97.3          | 97.9           | 70.0-130         |                      |                       | 0.545    | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 99.4          | 100            | 60.0-140         |                      |                       |          |                 |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc



Volatile Organic Compounds (MS) by Method TO-15

L1629901-01

Method Blank (MB)

(MB) R3943021-2 06/29/23 09:25

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | ppbv      |              | ppbv   | ppbv     |
| n-Hexane                   | U         |              | 0.206  | 0.630    |
| (S) 1,4-Bromofluorobenzene | 88.0      |              |        | 60.0-140 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3943021-1 06/29/23 08:58 • (LCSD) R3943021-3 06/29/23 10:25

| Analyte                    | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
|                            | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %    | %          |
| n-Hexane                   | 3.75         | 3.59       | 3.50        | 95.7     | 93.3      | 70.0-130    |               |                | 2.54 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 96.7     | 97.3      | 60.0-140    |               |                |      |            |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ND                           | Not detected at the Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.                                                                                                                                                                                                                                               |
| U                            | Not detected at the Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.                                                                                    |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.                                                                                                                                                                                                                                                      |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.                                                                                                                                                                  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.                                                                                                                                                                          |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.                                                                                                                                                                                              |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.                                                              |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.                                                                                                                                                                                             |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.                                                                                                                                                                                                                                                                                                                                                            |

QualifierDescription

|   |                                                                                     |
|---|-------------------------------------------------------------------------------------|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
|---|-------------------------------------------------------------------------------------|

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                                |             |                             |                  |
|--------------------------------|-------------|-----------------------------|------------------|
| Alabama                        | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                         | 17-026      | Nevada                      | TN000032021-1    |
| Arizona                        | AZ0612      | New Hampshire               | 2975             |
| Arkansas                       | 88-0469     | New Jersey--NELAP           | TN002            |
| California                     | 2932        | New Mexico <sup>1</sup>     | TN00003          |
| Colorado                       | TN00003     | New York                    | 11742            |
| Connecticut                    | PH-0197     | North Carolina              | Env375           |
| Florida                        | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                        | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>           | 923         | North Dakota                | R-140            |
| Idaho                          | TN00003     | Ohio--VAP                   | CL0069           |
| Illinois                       | 200008      | Oklahoma                    | 9915             |
| Indiana                        | C-TN-01     | Oregon                      | TN200002         |
| Iowa                           | 364         | Pennsylvania                | 68-02979         |
| Kansas                         | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1 6</sup>        | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>          | 16          | South Dakota                | n/a              |
| Louisiana                      | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana                      | LA018       | Texas                       | T104704245-20-18 |
| Maine                          | TN00003     | Texas <sup>5</sup>          | LAB0152          |
| Maryland                       | 324         | Utah                        | TN000032021-11   |
| Massachusetts                  | M-TN003     | Vermont                     | VT2006           |
| Michigan                       | 9958        | Virginia                    | 110033           |
| Minnesota                      | 047-999-395 | Washington                  | C847             |
| Mississippi                    | TN00003     | West Virginia               | 233              |
| Missouri                       | 340         | Wisconsin                   | 998093910        |
| Montana                        | CERT0086    | Wyoming                     | A2LA             |
| A2LA -- ISO 17025              | 1461.01     | AIHA-LAP, LLC EMLAP         | 100789           |
| A2LA -- ISO 17025 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                         | 1461.01     | USDA                        | P330-15-00234    |
| EPA--Crypto                    | TN00003     |                             |                  |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Tr<sup>6</sup> Sr<sup>7</sup> Qc<sup>8</sup> Gl<sup>9</sup> Al<sup>10</sup> Sc

Released to Imaging: 3/21/2024 4:18:32 PM





## ANALYTICAL REPORT

July 05, 2023

**Ensolum, LLC**

Sample Delivery Group: L1630304  
Samples Received: 06/28/2023  
Project Number: 03B1417001  
Description: Levey Well  
Site: 03B1417001  
Report To: Beaux Jennings  
601 N Marienfeld Street, Ste. 400  
Midland, TX 79701

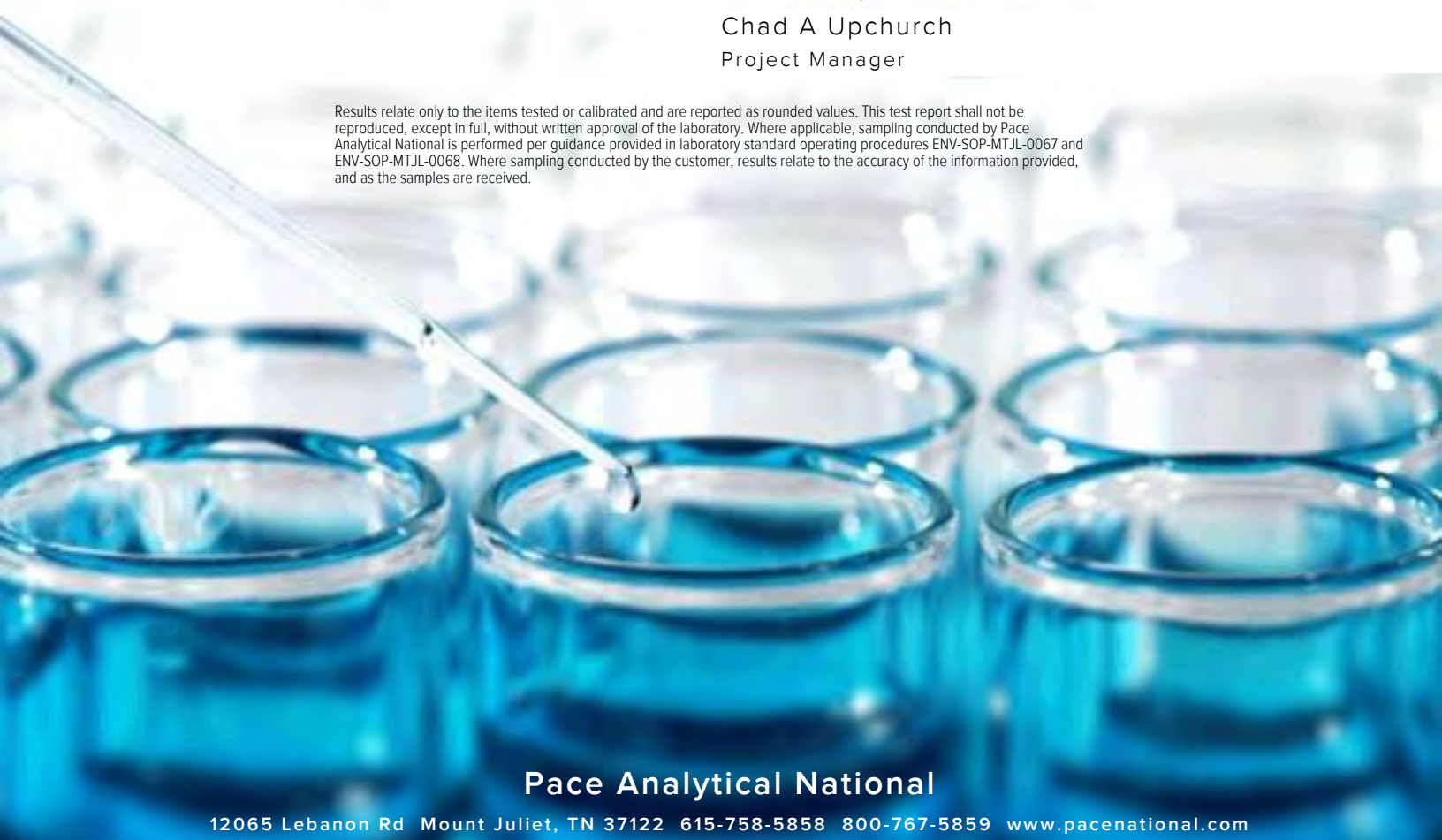


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chad Upchurch".

Chad A Upchurch  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

|                                                 |    |                  |
|-------------------------------------------------|----|------------------|
| Cp: Cover Page                                  | 1  | <sup>1</sup> Cp  |
| Tc: Table of Contents                           | 2  |                  |
| Ss: Sample Summary                              | 3  | <sup>2</sup> Tc  |
| Cn: Case Narrative                              | 4  |                  |
| Tr: TRRP Summary                                | 5  | <sup>3</sup> Ss  |
| TRRP form R                                     | 6  |                  |
| TRRP form S                                     | 7  | <sup>4</sup> Cn  |
| TRRP Exception Reports                          | 8  | <sup>5</sup> Tr  |
| Sr: Sample Results                              | 9  |                  |
| LEVEY WELL L1630304-01                          | 9  | <sup>6</sup> Sr  |
| LEVEY WELL L1630304-02                          | 11 |                  |
| LEVEY WELL L1630304-03                          | 13 | <sup>7</sup> Qc  |
| LEVEY WELL L1630304-04                          | 15 | <sup>8</sup> Gl  |
| Qc: Quality Control Summary                     | 17 |                  |
| Volatile Organic Compounds (MS) by Method TO-15 | 17 | <sup>9</sup> Al  |
| Gl: Glossary of Terms                           | 23 |                  |
| Al: Accreditations & Locations                  | 24 | <sup>10</sup> Sc |
| Sc: Sample Chain of Custody                     | 25 |                  |

LEVEY WELL L1630304-01 Air

Collected by  
Shane Diller

Collected date/time  
06/26/23 08:50

Received date/time  
06/28/23 09:00

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2086680 | 1        | 06/29/23 20:12        | 06/29/23 20:12     | AA      | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2087449 | 100      | 06/30/23 18:35        | 06/30/23 18:35     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2087990 | 200      | 07/01/23 17:26        | 07/01/23 17:26     | SDS     | Mt. Juliet, TN |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

LEVEY WELL L1630304-02 Air

Collected by  
Shane Diller

Collected date/time  
06/26/23 10:03

Received date/time  
06/28/23 09:00

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2086680 | 1        | 06/29/23 20:42        | 06/29/23 20:42     | AA      | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2087449 | 20       | 06/30/23 17:22        | 06/30/23 17:22     | DAH     | Mt. Juliet, TN |

LEVEY WELL L1630304-03 Air

Collected by  
Shane Diller

Collected date/time  
06/26/23 11:08

Received date/time  
06/28/23 09:00

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2086680 | 1        | 06/29/23 21:13        | 06/29/23 21:13     | AA      | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2087449 | 20       | 06/30/23 14:56        | 06/30/23 14:56     | DAH     | Mt. Juliet, TN |

LEVEY WELL L1630304-04 Air

Collected by  
Shane Diller

Collected date/time  
06/26/23 12:08

Received date/time  
06/28/23 09:00

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2086680 | 1        | 06/29/23 21:42        | 06/29/23 21:42     | AA      | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2087449 | 20       | 06/30/23 17:58        | 06/30/23 17:58     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG2087990 | 100      | 07/01/23 18:02        | 07/01/23 18:02     | SDS     | Mt. Juliet, TN |



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



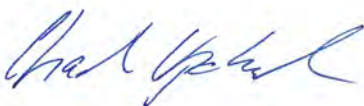
Chad A Upchurch  
Project Manager

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Tr
- <sup>6</sup> Sr
- <sup>7</sup> Qc
- <sup>8</sup> Gl
- <sup>9</sup> Al
- <sup>10</sup> Sc

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.



Chad A Upchurch  
Project Manager

# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |                | LRC Date: 07/05/2023 10:05                                                                                                                                               |     |    |                 |                 |                  |
|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |                | Laboratory Job Number: L1630304-01, 02, 03 and 04                                                                                                                        |     |    |                 |                 |                  |
| Reviewer Name: Chad A Upchurch            |                | Prep Batch Number(s): WG2086680, WG2087449 and WG2087990                                                                                                                 |     |    |                 |                 |                  |
| # <sup>1</sup>                            | A <sup>2</sup> | Description                                                                                                                                                              | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| R1                                        | OI             | Chain-of-custody (C-O-C)                                                                                                                                                 |     |    |                 |                 |                  |
|                                           |                | Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?                                                                              | X   |    |                 |                 |                  |
|                                           |                | Were all departures from standard conditions described in an exception report?                                                                                           |     |    | X               |                 |                  |
| R2                                        | OI             | Sample and quality control (QC) identification                                                                                                                           |     |    |                 |                 |                  |
|                                           |                | Are all field sample ID numbers cross-referenced to the laboratory ID numbers?                                                                                           | X   |    |                 |                 |                  |
|                                           |                | Are all laboratory ID numbers cross-referenced to the corresponding QC data?                                                                                             | X   |    |                 |                 |                  |
| R3                                        | OI             | Test reports                                                                                                                                                             |     |    |                 |                 |                  |
|                                           |                | Were all samples prepared and analyzed within holding times?                                                                                                             | X   |    |                 |                 |                  |
|                                           |                | Other than those results < MQL, were all other raw values bracketed by calibration standards?                                                                            |     | X  |                 |                 | 1                |
|                                           |                | Were calculations checked by a peer or supervisor?                                                                                                                       | X   |    |                 |                 |                  |
|                                           |                | Were all analyte identifications checked by a peer or supervisor?                                                                                                        | X   |    |                 |                 |                  |
|                                           |                | Were sample detection limits reported for all analytes not detected?                                                                                                     | X   |    |                 |                 |                  |
|                                           |                | Were all results for soil and sediment samples reported on a dry weight basis?                                                                                           | X   |    |                 |                 |                  |
|                                           |                | Were % moisture (or solids) reported for all soil and sediment samples?                                                                                                  |     |    | X               |                 |                  |
|                                           |                | Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?                                                                      |     |    | X               |                 |                  |
|                                           |                | If required for the project, are TICs reported?                                                                                                                          |     |    | X               |                 |                  |
| R4                                        | O              | Surrogate recovery data                                                                                                                                                  |     |    |                 |                 |                  |
|                                           |                | Were surrogates added prior to extraction?                                                                                                                               | X   |    |                 |                 |                  |
|                                           |                | Were surrogate percent recoveries in all samples within the laboratory QC limits?                                                                                        | X   |    |                 |                 |                  |
| R5                                        | OI             | Test reports/summary forms for blank samples                                                                                                                             |     |    |                 |                 |                  |
|                                           |                | Were appropriate type(s) of blanks analyzed?                                                                                                                             | X   |    |                 |                 |                  |
|                                           |                | Were blanks analyzed at the appropriate frequency?                                                                                                                       | X   |    |                 |                 |                  |
|                                           |                | Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?                                            | X   |    |                 |                 |                  |
|                                           |                | Were blank concentrations < MQL?                                                                                                                                         | X   |    |                 |                 |                  |
| R6                                        | OI             | Laboratory control samples (LCS):                                                                                                                                        |     |    |                 |                 |                  |
|                                           |                | Were all COCs included in the LCS?                                                                                                                                       | X   |    |                 |                 |                  |
|                                           |                | Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?                                                                            | X   |    |                 |                 |                  |
|                                           |                | Were LCSs analyzed at the required frequency?                                                                                                                            | X   |    |                 |                 |                  |
|                                           |                | Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?                                                                                                  | X   |    |                 |                 |                  |
|                                           |                | Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?                                  | X   |    |                 |                 |                  |
|                                           |                | Was the LCSD RPD within QC limits?                                                                                                                                       | X   |    |                 |                 |                  |
| R7                                        | OI             | Matrix spike (MS) and matrix spike duplicate (MSD) data                                                                                                                  |     |    |                 |                 |                  |
|                                           |                | Were the project/method specified analytes included in the MS and MSD?                                                                                                   |     |    | X               |                 |                  |
|                                           |                | Were MS/MSD analyzed at the appropriate frequency?                                                                                                                       |     |    | X               |                 |                  |
|                                           |                | Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?                                                                                                    |     |    | X               |                 |                  |
|                                           |                | Were MS/MSD RPDs within laboratory QC limits?                                                                                                                            |     |    | X               |                 |                  |
| R8                                        | OI             | Analytical duplicate data                                                                                                                                                |     |    |                 |                 |                  |
|                                           |                | Were appropriate analytical duplicates analyzed for each matrix?                                                                                                         |     |    | X               |                 |                  |
|                                           |                | Were analytical duplicates analyzed at the appropriate frequency?                                                                                                        |     |    | X               |                 |                  |
|                                           |                | Were RPDs or relative standard deviations within the laboratory QC limits?                                                                                               |     |    | X               |                 |                  |
| R9                                        | OI             | Method quantitation limits (MQLs):                                                                                                                                       |     |    |                 |                 |                  |
|                                           |                | Are the MQLs for each method analyte included in the laboratory data package?                                                                                            | X   |    |                 |                 |                  |
|                                           |                | Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?                                                                                 | X   |    |                 |                 |                  |
|                                           |                | Are unadjusted MQLs and DCSs included in the laboratory data package?                                                                                                    | X   |    |                 |                 |                  |
| R10                                       | OI             | Other problems/anomalies                                                                                                                                                 |     |    |                 |                 |                  |
|                                           |                | Are all known problems/anomalies/special conditions noted in this LRC and ER?                                                                                            | X   |    |                 |                 |                  |
|                                           |                | Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?                                         | X   |    |                 |                 |                  |
|                                           |                | Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package? | X   |    |                 |                 |                  |

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.  
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);  
3. NA = Not applicable;  
4. NR = Not reviewed;  
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# Laboratory Review Checklist: Supporting Data

| Laboratory Name: Pace Analytical National                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | LRC Date: 07/05/2023 10:05                                                                             |     |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                | Laboratory Job Number: L1630304-01, 02, 03 and 04                                                      |     |    |                 |                 |                  |
| Reviewer Name: Chad A Upchurch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | Prep Batch Number(s): WG2086680, WG2087449 and WG2087990                                               |     |    |                 |                 |                  |
| # <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A <sup>2</sup> | Description                                                                                            | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
| S1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Initial calibration (ICAL)                                                                             |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were response factors and/or relative response factors for each analyte within QC limits?              | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent RSDs or correlation coefficient criteria met?                                             | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the number of standards recommended in the method used for all analytes?                           | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were all points generated between the lowest and highest standard used to calculate the curve?         | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are ICAL data available for all instruments used?                                                      | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Has the initial calibration curve been verified using an appropriate second source standard?           | X   |    |                 |                 |                  |
| S2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB): |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the CCV analyzed at the method-required frequency?                                                 | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent differences for each analyte within the method-required QC limits?                        | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the ICAL curve verified for each analyte?                                                          | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the absolute value of the analyte concentration in the inorganic CCB < MDL?                        |     |    | X               |                 |                  |
| S3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Mass spectral tuning                                                                                   |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the appropriate compound for the method used for tuning?                                           | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were ion abundance data within the method-required QC limits?                                          | X   |    |                 |                 |                  |
| S4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Internal standards (IS)                                                                                |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were IS area counts and retention times within the method-required QC limits?                          | X   |    |                 |                 |                  |
| S5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OI             | Raw data (NELAC Section 5.5.10)                                                                        |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?                  | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were data associated with manual integrations flagged on the raw data?                                 | X   |    |                 |                 |                  |
| S6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Dual column confirmation                                                                               |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Did dual column confirmation results meet the method-required QC?                                      |     |    | X               |                 |                  |
| S7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O              | Tentatively identified compounds (TICs)                                                                |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?              |     |    | X               |                 |                  |
| S8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | Interference Check Sample (ICS) results                                                                |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent recoveries within method QC limits?                                                       |     |    | X               |                 |                  |
| S9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | Serial dilutions, post digestion spikes, and method of standard additions                              |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Were percent differences, recoveries, and the linearity within the QC limits specified in the method?  |     |    | X               |                 |                  |
| S10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Method detection limit (MDL) studies                                                                   |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was a MDL study performed for each reported analyte?                                                   | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Is the MDL either adjusted or supported by the analysis of DCSs?                                       | X   |    |                 |                 |                  |
| S11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Proficiency test reports                                                                               |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? | X   |    |                 |                 |                  |
| S12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Standards documentation                                                                                |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?      | X   |    |                 |                 |                  |
| S13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Compound/analyte identification procedures                                                             |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are the procedures for compound/analyte identification documented?                                     | X   |    |                 |                 |                  |
| S14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Demonstration of analyst competency (DOC)                                                              |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Was DOC conducted consistent with NELAC Chapter 5?                                                     | X   |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Is documentation of the analyst's competency up-to-date and on file?                                   | X   |    |                 |                 |                  |
| S15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Verification/validation documentation for methods (NELAC Chapter 5)                                    |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are all the methods used to generate the data documented, verified, and validated, where applicable?   | X   |    |                 |                 |                  |
| S16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OI             | Laboratory standard operating procedures (SOPs)                                                        |     |    |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Are laboratory SOPs current and on file for each method performed                                      | X   |    |                 |                 |                  |
| <p>1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</p> <p>3. NA = Not applicable;</p> <p>4. NR = Not reviewed;</p> <p>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p> |                |                                                                                                        |     |    |                 |                 |                  |

## Laboratory Review Checklist: Exception Reports

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                 |                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--|
| Laboratory Name: Pace Analytical National                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                 | LRC Date: 07/05/2023 10:05                               |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                 | Laboratory Job Number: L1630304-01, 02, 03 and 04        |  |
| Reviewer Name: Chad A Upchurch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                 | Prep Batch Number(s): WG2086680, WG2087449 and WG2087990 |  |
| <b>ER #<sup>1</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Description</b>                                                                                                                                                              |                                                          |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TO-15 WG2086680 L1630304-01 and 04: The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |                                                          |  |
| <p>1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</p> <p>3. NA = Not applicable;</p> <p>4. NR = Not reviewed;</p> <p>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p> |                                                                                                                                                                                 |                                                          |  |

Collected date/time: 06/26/23 08:50

L1630304

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                        | CAS #      | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| Acetone                        | 67-64-1    | 58.10    | 1.25         | 2.97          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 0.200        | 0.626         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Benzene                        | 71-43-2    | 78.10    | 0.200        | 0.639         | 0.801          | 2.56            |           | 1        | <a href="#">WG2086680</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 0.200        | 1.04          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 0.200        | 1.34          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromoform                      | 75-25-2    | 253      | 0.600        | 6.21          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 0.200        | 0.776         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 2.00         | 4.43          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 0.200        | 0.622         | 6.37           | 19.8            |           | 1        | <a href="#">WG2086680</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 0.200        | 1.26          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 0.200        | 0.924         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 0.200        | 0.528         | 0.520          | 1.37            |           | 1        | <a href="#">WG2086680</a> |
| Chloroform                     | 67-66-3    | 119      | 0.200        | 0.973         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 0.200        | 0.413         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 0.200        | 1.03          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 20.0         | 68.9          | 1090           | 3750            |           | 100      | <a href="#">WG2087449</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 0.200        | 1.70          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 0.200        | 1.54          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 0.200        | 0.810         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 0.200        | 0.802         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 0.200        | 0.924         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 0.200        | 0.908         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 0.200        | 0.908         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 0.200        | 0.721         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Ethanol                        | 64-17-5    | 46.10    | 2.50         | 4.71          | 208            | 392             | E         | 1        | <a href="#">WG2086680</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 0.200        | 0.867         | 5.22           | 22.6            |           | 1        | <a href="#">WG2086680</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 0.200        | 0.982         | 1.99           | 9.77            |           | 1        | <a href="#">WG2086680</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 0.200        | 1.12          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 0.200        | 0.989         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 0.200        | 1.53          | 0.291          | 2.23            |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 0.200        | 1.40          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Heptane                        | 142-82-5   | 100      | 20.0         | 81.8          | 1180           | 4830            |           | 100      | <a href="#">WG2087449</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 0.630        | 6.73          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 126          | 444           | 11100          | 39100           |           | 200      | <a href="#">WG2087990</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 0.200        | 0.983         | 1.24           | 6.10            |           | 1        | <a href="#">WG2086680</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 0.200        | 0.694         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 1.25         | 5.11          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 1.25         | 3.69          | 50.4           | 149             |           | 1        | <a href="#">WG2086680</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 1.25         | 5.12          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 0.200        | 0.819         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| MTBE                           | 1634-04-4  | 88.10    | 0.200        | 0.721         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Naphthalene                    | 91-20-3    | 128      | 0.630        | 3.30          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 1.25         | 3.07          | 10.1           | 24.8            |           | 1        | <a href="#">WG2086680</a> |
| Propene                        | 115-07-1   | 42.10    | 1.25         | 2.15          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Styrene                        | 100-42-5   | 104      | 0.200        | 0.851         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 0.200        | 1.37          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 0.200        | 1.36          | 5.02           | 34.1            |           | 1        | <a href="#">WG2086680</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 0.200        | 0.590         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Toluene                        | 108-88-3   | 92.10    | 0.500        | 1.88          | 4.75           | 17.9            |           | 1        | <a href="#">WG2086680</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 0.630        | 4.66          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 06/26/23 08:50

Volatile Organic Compounds (MS) by Method TO-15

| Analyte                    | CAS #     | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane      | 71-55-6   | 133      | 0.200        | 1.09          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 0.200        | 1.09          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Trichloroethylene          | 79-01-6   | 131      | 0.200        | 1.07          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 0.200        | 0.982         | 3.83           | 18.8            |           | 1        | <a href="#">WG2086680</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 0.200        | 0.982         | 2.48           | 12.2            |           | 1        | <a href="#">WG2086680</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 0.200        | 0.934         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 0.200        | 0.511         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 0.200        | 0.875         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 0.200        | 0.704         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 0.400        | 1.73          | 9.60           | 41.6            |           | 1        | <a href="#">WG2086680</a> |
| o-Xylene                   | 95-47-6   | 106      | 0.200        | 0.867         | 6.95           | 30.1            |           | 1        | <a href="#">WG2086680</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 20000        | 82600         | 35400          | 146000          |           | 100      | <a href="#">WG2087449</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 140            |                 |           |          | <a href="#">WG2086680</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 93.2           |                 |           |          | <a href="#">WG2087449</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 98.7           |                 |           |          | <a href="#">WG2087990</a> |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc



Collected date/time: 06/26/23 10:03

L1630304

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                        | CAS #      | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| Acetone                        | 67-64-1    | 58.10    | 1.25         | 2.97          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 0.200        | 0.626         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Benzene                        | 71-43-2    | 78.10    | 0.200        | 0.639         | 1.19           | 3.80            |           | 1        | <a href="#">WG2086680</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 0.200        | 1.04          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 0.200        | 1.34          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromoform                      | 75-25-2    | 253      | 0.600        | 6.21          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 0.200        | 0.776         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 2.00         | 4.43          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 0.200        | 0.622         | 7.33           | 22.8            |           | 1        | <a href="#">WG2086680</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 0.200        | 1.26          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 0.200        | 0.924         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 0.200        | 0.528         | 1.09           | 2.88            |           | 1        | <a href="#">WG2086680</a> |
| Chloroform                     | 67-66-3    | 119      | 0.200        | 0.973         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 0.200        | 0.413         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 0.200        | 1.03          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 4.00         | 13.8          | 106            | 365             |           | 20       | <a href="#">WG2087449</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 0.200        | 1.70          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 0.200        | 1.54          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 0.200        | 0.810         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 0.200        | 0.802         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 0.200        | 0.924         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 0.200        | 0.908         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 0.200        | 0.908         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 0.200        | 0.721         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Ethanol                        | 64-17-5    | 46.10    | 2.50         | 4.71          | 77.0           | 145             |           | 1        | <a href="#">WG2086680</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 0.200        | 0.867         | 1.66           | 7.20            |           | 1        | <a href="#">WG2086680</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 0.200        | 0.982         | 0.888          | 4.36            |           | 1        | <a href="#">WG2086680</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 0.200        | 1.12          | 0.233          | 1.31            |           | 1        | <a href="#">WG2086680</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 0.200        | 0.989         | 0.541          | 2.68            |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 0.200        | 1.53          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 0.200        | 1.40          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Heptane                        | 142-82-5   | 100      | 4.00         | 16.4          | 129            | 528             |           | 20       | <a href="#">WG2087449</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 0.630        | 6.73          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 12.6         | 44.4          | 877            | 3090            |           | 20       | <a href="#">WG2087449</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 0.200        | 0.983         | 0.406          | 2.00            |           | 1        | <a href="#">WG2086680</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 0.200        | 0.694         | 0.543          | 1.89            |           | 1        | <a href="#">WG2086680</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 1.25         | 5.11          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 1.25         | 3.69          | 12.3           | 36.3            |           | 1        | <a href="#">WG2086680</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 1.25         | 5.12          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 0.200        | 0.819         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| MTBE                           | 1634-04-4  | 88.10    | 0.200        | 0.721         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Naphthalene                    | 91-20-3    | 128      | 0.630        | 3.30          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 1.25         | 3.07          | 16.6           | 40.8            |           | 1        | <a href="#">WG2086680</a> |
| Propene                        | 115-07-1   | 42.10    | 1.25         | 2.15          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Styrene                        | 100-42-5   | 104      | 0.200        | 0.851         | 0.249          | 1.06            |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 0.200        | 1.37          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 0.200        | 1.36          | 3.22           | 21.9            |           | 1        | <a href="#">WG2086680</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 0.200        | 0.590         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Toluene                        | 108-88-3   | 92.10    | 0.500        | 1.88          | 3.28           | 12.4            |           | 1        | <a href="#">WG2086680</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 0.630        | 4.66          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 06/26/23 10:03

L1630304

Volatile Organic Compounds (MS) by Method TO-15

| Analyte                    | CAS #     | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane      | 71-55-6   | 133      | 0.200        | 1.09          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 0.200        | 1.09          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Trichloroethylene          | 79-01-6   | 131      | 0.200        | 1.07          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 0.200        | 0.982         | 2.22           | 10.9            |           | 1        | <a href="#">WG2086680</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 0.200        | 0.982         | 1.27           | 6.23            |           | 1        | <a href="#">WG2086680</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 0.200        | 0.934         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 0.200        | 0.511         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 0.200        | 0.875         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 0.200        | 0.704         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 0.400        | 1.73          | 2.90           | 12.6            |           | 1        | <a href="#">WG2086680</a> |
| o-Xylene                   | 95-47-6   | 106      | 0.200        | 0.867         | 2.30           | 9.97            |           | 1        | <a href="#">WG2086680</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 200          | 826           | 4090           | 16900           |           | 1        | <a href="#">WG2086680</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 118            |                 |           |          | <a href="#">WG2086680</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 92.5           |                 |           |          | <a href="#">WG2087449</a> |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Collected date/time: 06/26/23 11:08

L1630304

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                        | CAS #      | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| Acetone                        | 67-64-1    | 58.10    | 1.25         | 2.97          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 0.200        | 0.626         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Benzene                        | 71-43-2    | 78.10    | 0.200        | 0.639         | 0.736          | 2.35            |           | 1        | <a href="#">WG2086680</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 0.200        | 1.04          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 0.200        | 1.34          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromoform                      | 75-25-2    | 253      | 0.600        | 6.21          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 0.200        | 0.776         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 2.00         | 4.43          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 0.200        | 0.622         | 5.36           | 16.7            |           | 1        | <a href="#">WG2086680</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 0.200        | 1.26          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 0.200        | 0.924         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 0.200        | 0.528         | 1.94           | 5.12            |           | 1        | <a href="#">WG2086680</a> |
| Chloroform                     | 67-66-3    | 119      | 0.200        | 0.973         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 0.200        | 0.413         | 2.04           | 4.21            |           | 1        | <a href="#">WG2086680</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 0.200        | 1.03          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 0.200        | 0.689         | 92.5           | 319             |           | 1        | <a href="#">WG2086680</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 0.200        | 1.70          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 0.200        | 1.54          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 0.200        | 0.810         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 0.200        | 0.802         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 0.200        | 0.924         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 0.200        | 0.908         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 0.200        | 0.908         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 0.200        | 0.721         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Ethanol                        | 64-17-5    | 46.10    | 2.50         | 4.71          | 41.3           | 77.9            |           | 1        | <a href="#">WG2086680</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 0.200        | 0.867         | 1.86           | 8.06            |           | 1        | <a href="#">WG2086680</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 0.200        | 0.982         | 1.48           | 7.26            |           | 1        | <a href="#">WG2086680</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 0.200        | 1.12          | 0.242          | 1.36            |           | 1        | <a href="#">WG2086680</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 0.200        | 0.989         | 0.528          | 2.61            |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 0.200        | 1.53          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 0.200        | 1.40          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Heptane                        | 142-82-5   | 100      | 0.200        | 0.818         | 91.6           | 375             |           | 1        | <a href="#">WG2086680</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 0.630        | 6.73          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 12.6         | 44.4          | 714            | 2520            |           | 20       | <a href="#">WG2087449</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 0.200        | 0.983         | 0.583          | 2.87            |           | 1        | <a href="#">WG2086680</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 0.200        | 0.694         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 1.25         | 5.11          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 1.25         | 3.69          | 12.6           | 37.2            |           | 1        | <a href="#">WG2086680</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 1.25         | 5.12          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 0.200        | 0.819         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| MTBE                           | 1634-04-4  | 88.10    | 0.200        | 0.721         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Naphthalene                    | 91-20-3    | 128      | 0.630        | 3.30          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 1.25         | 3.07          | 10.6           | 26.1            |           | 1        | <a href="#">WG2086680</a> |
| Propene                        | 115-07-1   | 42.10    | 1.25         | 2.15          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Styrene                        | 100-42-5   | 104      | 0.200        | 0.851         | 0.299          | 1.27            |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 0.200        | 1.37          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 0.200        | 1.36          | 4.50           | 30.6            |           | 1        | <a href="#">WG2086680</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 0.200        | 0.590         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Toluene                        | 108-88-3   | 92.10    | 0.500        | 1.88          | 1.48           | 5.57            |           | 1        | <a href="#">WG2086680</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 0.630        | 4.66          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 06/26/23 11:08

L1630304

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                    | CAS #     | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane      | 71-55-6   | 133      | 0.200        | 1.09          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 0.200        | 1.09          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Trichloroethylene          | 79-01-6   | 131      | 0.200        | 1.07          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 0.200        | 0.982         | 5.11           | 25.1            |           | 1        | <a href="#">WG2086680</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 0.200        | 0.982         | 2.15           | 10.6            |           | 1        | <a href="#">WG2086680</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 0.200        | 0.934         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 0.200        | 0.511         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 0.200        | 0.875         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 0.200        | 0.704         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 0.400        | 1.73          | 3.67           | 15.9            |           | 1        | <a href="#">WG2086680</a> |
| o-Xylene                   | 95-47-6   | 106      | 0.200        | 0.867         | 3.04           | 13.2            |           | 1        | <a href="#">WG2086680</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 200          | 826           | 3850           | 15900           |           | 1        | <a href="#">WG2086680</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 116            |                 |           |          | <a href="#">WG2086680</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 91.8           |                 |           |          | <a href="#">WG2087449</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Tr<sup>6</sup> Sr<sup>7</sup> Qc<sup>8</sup> Gl<sup>9</sup> Al<sup>10</sup> Sc

Collected date/time: 06/26/23 12:08

L1630304

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                        | CAS #      | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| Acetone                        | 67-64-1    | 58.10    | 1.25         | 2.97          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 0.200        | 0.626         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Benzene                        | 71-43-2    | 78.10    | 0.200        | 0.639         | 0.703          | 2.25            |           | 1        | <a href="#">WG2086680</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 0.200        | 1.04          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 0.200        | 1.34          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromoform                      | 75-25-2    | 253      | 0.600        | 6.21          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 0.200        | 0.776         | 0.343          | 1.33            |           | 1        | <a href="#">WG2086680</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 2.00         | 4.43          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 0.200        | 0.622         | 22.1           | 68.8            |           | 1        | <a href="#">WG2086680</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 0.200        | 1.26          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 0.200        | 0.924         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 0.200        | 0.528         | 3.68           | 9.71            |           | 1        | <a href="#">WG2086680</a> |
| Chloroform                     | 67-66-3    | 119      | 0.200        | 0.973         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 0.200        | 0.413         | 4.31           | 8.90            |           | 1        | <a href="#">WG2086680</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 0.200        | 1.03          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 4.00         | 13.8          | 299            | 1030            |           | 20       | <a href="#">WG2087449</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 0.200        | 1.70          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 0.200        | 1.54          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 0.200        | 1.20          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 0.200        | 0.810         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 0.200        | 0.802         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 0.200        | 0.793         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 0.200        | 0.924         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 0.200        | 0.908         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 0.200        | 0.908         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 0.200        | 0.721         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Ethanol                        | 64-17-5    | 46.10    | 2.50         | 4.71          | 106            | 200             | E         | 1        | <a href="#">WG2086680</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 0.200        | 0.867         | 2.29           | 9.93            |           | 1        | <a href="#">WG2086680</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 0.200        | 0.982         | 1.26           | 6.18            |           | 1        | <a href="#">WG2086680</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 0.200        | 1.12          | 0.212          | 1.19            |           | 1        | <a href="#">WG2086680</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 0.200        | 0.989         | 0.503          | 2.49            |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 0.200        | 1.53          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 0.200        | 1.40          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Heptane                        | 142-82-5   | 100      | 4.00         | 16.4          | 347            | 1420            |           | 20       | <a href="#">WG2087449</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 0.630        | 6.73          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 63.0         | 222           | 2430           | 8570            |           | 100      | <a href="#">WG2087990</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 0.200        | 0.983         | 0.564          | 2.77            |           | 1        | <a href="#">WG2086680</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 0.200        | 0.694         | 0.486          | 1.69            |           | 1        | <a href="#">WG2086680</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 1.25         | 5.11          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 1.25         | 3.69          | 36.9           | 109             |           | 1        | <a href="#">WG2086680</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 1.25         | 5.12          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 0.200        | 0.819         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| MTBE                           | 1634-04-4  | 88.10    | 0.200        | 0.721         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Naphthalene                    | 91-20-3    | 128      | 0.630        | 3.30          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 1.25         | 3.07          | 61.1           | 150             |           | 1        | <a href="#">WG2086680</a> |
| Propene                        | 115-07-1   | 42.10    | 1.25         | 2.15          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Styrene                        | 100-42-5   | 104      | 0.200        | 0.851         | 0.298          | 1.27            |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 0.200        | 1.37          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 0.200        | 1.36          | 4.08           | 27.7            |           | 1        | <a href="#">WG2086680</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 0.200        | 0.590         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Toluene                        | 108-88-3   | 92.10    | 0.500        | 1.88          | 4.27           | 16.1            |           | 1        | <a href="#">WG2086680</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 0.630        | 4.66          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |



Collected date/time: 06/26/23 12:08

L1630304

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                    | CAS #     | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane      | 71-55-6   | 133      | 0.200        | 1.09          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 0.200        | 1.09          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Trichloroethylene          | 79-01-6   | 131      | 0.200        | 1.07          | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 0.200        | 0.982         | 4.03           | 19.8            |           | 1        | <a href="#">WG2086680</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 0.200        | 0.982         | 1.86           | 9.13            |           | 1        | <a href="#">WG2086680</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 0.200        | 0.934         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 0.200        | 0.511         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 0.200        | 0.875         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 0.200        | 0.704         | ND             | ND              |           | 1        | <a href="#">WG2086680</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 0.400        | 1.73          | 3.74           | 16.2            |           | 1        | <a href="#">WG2086680</a> |
| o-Xylene                   | 95-47-6   | 106      | 0.200        | 0.867         | 2.86           | 12.4            |           | 1        | <a href="#">WG2086680</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 4000         | 16500         | 10100          | 41700           |           | 20       | <a href="#">WG2087449</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 121            |                 |           |          | <a href="#">WG2086680</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 92.1           |                 |           |          | <a href="#">WG2087449</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 98.9           |                 |           |          | <a href="#">WG2087990</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Tr<sup>6</sup> Sr<sup>7</sup> Qc<sup>8</sup> Gl<sup>9</sup> Al<sup>10</sup> Sc

Volatile Organic Compounds (MS) by Method TO-15

L1630304-01,02,03,04

Method Blank (MB)

(MB) R3943028-3 06/29/23 09:43

| Analyte                        | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Acetone                        | U                 |              | 0.584          | 1.25           |
| Allyl chloride                 | U                 |              | 0.114          | 0.200          |
| Benzene                        | U                 |              | 0.0715         | 0.200          |
| Benzyl Chloride                | U                 |              | 0.0598         | 0.200          |
| Bromodichloromethane           | U                 |              | 0.0702         | 0.200          |
| Bromoform                      | U                 |              | 0.0732         | 0.600          |
| Bromomethane                   | U                 |              | 0.0982         | 0.200          |
| 1,3-Butadiene                  | U                 |              | 0.104          | 2.00           |
| Carbon disulfide               | U                 |              | 0.102          | 0.200          |
| Carbon tetrachloride           | U                 |              | 0.0732         | 0.200          |
| Chlorobenzene                  | U                 |              | 0.0832         | 0.200          |
| Chloroethane                   | U                 |              | 0.0996         | 0.200          |
| Chloroform                     | U                 |              | 0.0717         | 0.200          |
| Chloromethane                  | U                 |              | 0.103          | 0.200          |
| 2-Chlorotoluene                | U                 |              | 0.0828         | 0.200          |
| Cyclohexane                    | U                 |              | 0.0753         | 0.200          |
| Dibromochloromethane           | U                 |              | 0.0727         | 0.200          |
| 1,2-Dibromoethane              | U                 |              | 0.0721         | 0.200          |
| 1,2-Dichlorobenzene            | U                 |              | 0.128          | 0.200          |
| 1,3-Dichlorobenzene            | U                 |              | 0.182          | 0.200          |
| 1,4-Dichlorobenzene            | U                 |              | 0.0557         | 0.200          |
| 1,2-Dichloroethane             | U                 |              | 0.0700         | 0.200          |
| 1,1-Dichloroethane             | U                 |              | 0.0723         | 0.200          |
| 1,1-Dichloroethene             | U                 |              | 0.0762         | 0.200          |
| cis-1,2-Dichloroethene         | U                 |              | 0.0784         | 0.200          |
| trans-1,2-Dichloroethene       | U                 |              | 0.0673         | 0.200          |
| 1,2-Dichloropropane            | U                 |              | 0.0760         | 0.200          |
| cis-1,3-Dichloropropene        | U                 |              | 0.0689         | 0.200          |
| trans-1,3-Dichloropropene      | U                 |              | 0.0728         | 0.200          |
| 1,4-Dioxane                    | U                 |              | 0.0833         | 0.200          |
| Ethanol                        | 0.267             | U            | 0.265          | 2.50           |
| Ethylbenzene                   | U                 |              | 0.0835         | 0.200          |
| 4-Ethyltoluene                 | U                 |              | 0.0783         | 0.200          |
| Trichlorofluoromethane         | U                 |              | 0.0819         | 0.200          |
| Dichlorodifluoromethane        | U                 |              | 0.137          | 0.200          |
| 1,1,2-Trichlorotrifluoroethane | U                 |              | 0.0793         | 0.200          |
| 1,2-Dichlorotetrafluoroethane  | U                 |              | 0.0890         | 0.200          |
| Heptane                        | U                 |              | 0.104          | 0.200          |
| Hexachloro-1,3-butadiene       | U                 |              | 0.105          | 0.630          |
| Isopropylbenzene               | U                 |              | 0.0777         | 0.200          |

1

Cp

2

Tc

3

Ss

4

Cn

5

Tr

6

Sr

7

Qc

8

Gl

9

Al

10

Sc



Volatile Organic Compounds (MS) by Method TO-15

L1630304-01,02,03,04

Method Blank (MB)

(MB) R3943028-3 06/29/23 09:43

| Analyte                     | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Methylene Chloride          | U                 |              | 0.0979         | 0.200          |
| Methyl Butyl Ketone         | U                 |              | 0.133          | 1.25           |
| 2-Butanone (MEK)            | U                 |              | 0.0814         | 1.25           |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.0765         | 1.25           |
| Methyl methacrylate         | U                 |              | 0.0876         | 0.200          |
| MTBE                        | U                 |              | 0.0647         | 0.200          |
| Naphthalene                 | U                 |              | 0.350          | 0.630          |
| 2-Propanol                  | U                 |              | 0.264          | 1.25           |
| Propene                     | U                 |              | 0.0932         | 1.25           |
| Styrene                     | U                 |              | 0.0788         | 0.200          |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.0743         | 0.200          |
| Tetrachloroethylene         | U                 |              | 0.0814         | 0.200          |
| Tetrahydrofuran             | U                 |              | 0.0734         | 0.200          |
| Toluene                     | U                 |              | 0.0870         | 0.500          |
| 1,2,4-Trichlorobenzene      | U                 |              | 0.148          | 0.630          |
| 1,1,1-Trichloroethane       | U                 |              | 0.0736         | 0.200          |
| 1,1,2-Trichloroethane       | U                 |              | 0.0775         | 0.200          |
| Trichloroethylene           | U                 |              | 0.0680         | 0.200          |
| 1,2,4-Trimethylbenzene      | U                 |              | 0.0764         | 0.200          |
| 1,3,5-Trimethylbenzene      | U                 |              | 0.0779         | 0.200          |
| 2,2,4-Trimethylpentane      | U                 |              | 0.133          | 0.200          |
| Vinyl chloride              | U                 |              | 0.0949         | 0.200          |
| Vinyl Bromide               | U                 |              | 0.0852         | 0.200          |
| Vinyl acetate               | U                 |              | 0.116          | 0.200          |
| m&p-Xylene                  | U                 |              | 0.135          | 0.400          |
| o-Xylene                    | U                 |              | 0.0828         | 0.200          |
| TPH (GC/MS) Low Fraction    | 54.9              | ⬇            | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene  | 105               |              |                | 60.0-140       |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3943028-1 06/29/23 08:43 • (LCSD) R3943028-2 06/29/23 09:13

| Analyte              | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 3.75                 | 4.12               | 4.26                | 110           | 114            | 70.0-130         |               |                | 3.34     | 25              |
| Allyl chloride       | 3.75                 | 4.41               | 4.41                | 118           | 118            | 70.0-130         |               |                | 0.000    | 25              |
| Benzene              | 3.75                 | 3.75               | 3.76                | 100           | 100            | 70.0-130         |               |                | 0.266    | 25              |
| Benzyl Chloride      | 3.75                 | 4.39               | 4.54                | 117           | 121            | 70.0-152         |               |                | 3.36     | 25              |
| Bromodichloromethane | 3.75                 | 4.02               | 4.07                | 107           | 109            | 70.0-130         |               |                | 1.24     | 25              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3943028-1 06/29/23 08:43 • (LCSD) R3943028-2 06/29/23 09:13

| Analyte                        | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Bromoform                      | 3.75                 | 4.28               | 4.36                | 114           | 116            | 70.0-130         |               |                | 1.85     | 25              |
| Bromomethane                   | 3.75                 | 4.41               | 4.46                | 118           | 119            | 70.0-130         |               |                | 1.13     | 25              |
| 1,3-Butadiene                  | 3.75                 | 4.12               | 4.28                | 110           | 114            | 70.0-130         |               |                | 3.81     | 25              |
| Carbon disulfide               | 3.75                 | 4.46               | 4.49                | 119           | 120            | 70.0-130         |               |                | 0.670    | 25              |
| Carbon tetrachloride           | 3.75                 | 4.06               | 4.10                | 108           | 109            | 70.0-130         |               |                | 0.980    | 25              |
| Chlorobenzene                  | 3.75                 | 4.13               | 4.13                | 110           | 110            | 70.0-130         |               |                | 0.000    | 25              |
| Chloroethane                   | 3.75                 | 4.32               | 4.36                | 115           | 116            | 70.0-130         |               |                | 0.922    | 25              |
| Chloroform                     | 3.75                 | 3.77               | 3.80                | 101           | 101            | 70.0-130         |               |                | 0.793    | 25              |
| Chloromethane                  | 3.75                 | 3.85               | 3.92                | 103           | 105            | 70.0-130         |               |                | 1.80     | 25              |
| 2-Chlorotoluene                | 3.75                 | 4.16               | 4.27                | 111           | 114            | 70.0-130         |               |                | 2.61     | 25              |
| Cyclohexane                    | 3.75                 | 3.65               | 3.73                | 97.3          | 99.5           | 70.0-130         |               |                | 2.17     | 25              |
| Dibromochloromethane           | 3.75                 | 4.32               | 4.39                | 115           | 117            | 70.0-130         |               |                | 1.61     | 25              |
| 1,2-Dibromoethane              | 3.75                 | 4.16               | 4.28                | 111           | 114            | 70.0-130         |               |                | 2.84     | 25              |
| 1,2-Dichlorobenzene            | 3.75                 | 4.52               | 4.69                | 121           | 125            | 70.0-130         |               |                | 3.69     | 25              |
| 1,3-Dichlorobenzene            | 3.75                 | 4.53               | 4.65                | 121           | 124            | 70.0-130         |               |                | 2.61     | 25              |
| 1,4-Dichlorobenzene            | 3.75                 | 4.56               | 4.72                | 122           | 126            | 70.0-130         |               |                | 3.45     | 25              |
| 1,2-Dichloroethane             | 3.75                 | 3.75               | 3.76                | 100           | 100            | 70.0-130         |               |                | 0.266    | 25              |
| 1,1-Dichloroethane             | 3.75                 | 4.05               | 4.17                | 108           | 111            | 70.0-130         |               |                | 2.92     | 25              |
| 1,1-Dichloroethene             | 3.75                 | 4.38               | 4.45                | 117           | 119            | 70.0-130         |               |                | 1.59     | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 3.69               | 3.73                | 98.4          | 99.5           | 70.0-130         |               |                | 1.08     | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 4.16               | 4.25                | 111           | 113            | 70.0-130         |               |                | 2.14     | 25              |
| 1,2-Dichloropropane            | 3.75                 | 3.68               | 3.72                | 98.1          | 99.2           | 70.0-130         |               |                | 1.08     | 25              |
| cis-1,3-Dichloropropene        | 3.75                 | 4.23               | 3.97                | 113           | 106            | 70.0-130         |               |                | 6.34     | 25              |
| trans-1,3-Dichloropropene      | 3.75                 | 4.04               | 4.03                | 108           | 107            | 70.0-130         |               |                | 0.248    | 25              |
| 1,4-Dioxane                    | 3.75                 | 3.64               | 3.81                | 97.1          | 102            | 70.0-140         |               |                | 4.56     | 25              |
| Ethanol                        | 3.75                 | 4.13               | 4.33                | 110           | 115            | 55.0-148         |               |                | 4.73     | 25              |
| Ethylbenzene                   | 3.75                 | 3.84               | 3.93                | 102           | 105            | 70.0-130         |               |                | 2.32     | 25              |
| 4-Ethyltoluene                 | 3.75                 | 4.38               | 4.53                | 117           | 121            | 70.0-130         |               |                | 3.37     | 25              |
| Trichlorofluoromethane         | 3.75                 | 4.52               | 4.54                | 121           | 121            | 70.0-130         |               |                | 0.442    | 25              |
| Dichlorodifluoromethane        | 3.75                 | 4.28               | 4.38                | 114           | 117            | 64.0-139         |               |                | 2.31     | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 4.37               | 4.42                | 117           | 118            | 70.0-130         |               |                | 1.14     | 25              |
| 1,2-Dichlorotetrafluoroethane  | 3.75                 | 4.25               | 4.20                | 113           | 112            | 70.0-130         |               |                | 1.18     | 25              |
| Heptane                        | 3.75                 | 3.53               | 3.56                | 94.1          | 94.9           | 70.0-130         |               |                | 0.846    | 25              |
| Hexachloro-1,3-butadiene       | 3.75                 | 4.61               | 4.80                | 123           | 128            | 70.0-151         |               |                | 4.04     | 25              |
| Isopropylbenzene               | 3.75                 | 4.11               | 4.23                | 110           | 113            | 70.0-130         |               |                | 2.88     | 25              |
| Methylene Chloride             | 3.75                 | 4.25               | 4.24                | 113           | 113            | 70.0-130         |               |                | 0.236    | 25              |
| Methyl Butyl Ketone            | 3.75                 | 3.46               | 3.63                | 92.3          | 96.8           | 70.0-149         |               |                | 4.80     | 25              |
| 2-Butanone (MEK)               | 3.75                 | 3.66               | 3.80                | 97.6          | 101            | 70.0-130         |               |                | 3.75     | 25              |
| 4-Methyl-2-pentanone (MIBK)    | 3.75                 | 3.40               | 3.63                | 90.7          | 96.8           | 70.0-139         |               |                | 6.54     | 25              |
| Methyl methacrylate            | 3.75                 | 3.79               | 3.98                | 101           | 106            | 70.0-130         |               |                | 4.89     | 25              |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3943028-1 06/29/23 08:43 • (LCSD) R3943028-2 06/29/23 09:13

| Analyte                    | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| MTBE                       | 3.75                 | 3.71               | 3.90                | 98.9          | 104            | 70.0-130         |               |                | 4.99     | 25              |
| Naphthalene                | 3.75                 | 4.04               | 4.20                | 108           | 112            | 70.0-159         |               |                | 3.88     | 25              |
| 2-Propanol                 | 3.75                 | 4.22               | 4.38                | 113           | 117            | 70.0-139         |               |                | 3.72     | 25              |
| Propene                    | 3.75                 | 4.20               | 4.29                | 112           | 114            | 64.0-144         |               |                | 2.12     | 25              |
| Styrene                    | 3.75                 | 4.19               | 4.32                | 112           | 115            | 70.0-130         |               |                | 3.06     | 25              |
| 1,1,2,2-Tetrachloroethane  | 3.75                 | 4.15               | 4.32                | 111           | 115            | 70.0-130         |               |                | 4.01     | 25              |
| Tetrachloroethylene        | 3.75                 | 4.12               | 4.19                | 110           | 112            | 70.0-130         |               |                | 1.68     | 25              |
| Tetrahydrofuran            | 3.75                 | 3.43               | 3.55                | 91.5          | 94.7           | 70.0-137         |               |                | 3.44     | 25              |
| Toluene                    | 3.75                 | 3.82               | 3.88                | 102           | 103            | 70.0-130         |               |                | 1.56     | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 4.54               | 4.70                | 121           | 125            | 70.0-160         |               |                | 3.46     | 25              |
| 1,1,1-Trichloroethane      | 3.75                 | 3.94               | 3.97                | 105           | 106            | 70.0-130         |               |                | 0.759    | 25              |
| 1,1,2-Trichloroethane      | 3.75                 | 4.03               | 4.15                | 107           | 111            | 70.0-130         |               |                | 2.93     | 25              |
| Trichloroethylene          | 3.75                 | 3.83               | 3.91                | 102           | 104            | 70.0-130         |               |                | 2.07     | 25              |
| 1,2,4-Trimethylbenzene     | 3.75                 | 4.42               | 4.62                | 118           | 123            | 70.0-130         |               |                | 4.42     | 25              |
| 1,3,5-Trimethylbenzene     | 3.75                 | 4.46               | 4.61                | 119           | 123            | 70.0-130         |               |                | 3.31     | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 3.60               | 3.61                | 96.0          | 96.3           | 70.0-130         |               |                | 0.277    | 25              |
| Vinyl chloride             | 3.75                 | 4.30               | 4.35                | 115           | 116            | 70.0-130         |               |                | 1.16     | 25              |
| Vinyl Bromide              | 3.75                 | 4.44               | 4.54                | 118           | 121            | 70.0-130         |               |                | 2.23     | 25              |
| Vinyl acetate              | 3.75                 | 2.84               | 2.93                | 75.7          | 78.1           | 70.0-130         |               |                | 3.12     | 25              |
| m&p-Xylene                 | 7.50                 | 8.04               | 8.17                | 107           | 109            | 70.0-130         |               |                | 1.60     | 25              |
| o-Xylene                   | 3.75                 | 4.09               | 4.22                | 109           | 113            | 70.0-130         |               |                | 3.13     | 25              |
| TPH (GC/MS) Low Fraction   | 188                  | 227                | 232                 | 121           | 123            | 70.0-130         |               |                | 2.18     | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 104           | 107            | 60.0-140         |               |                |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Method Blank (MB)

(MB) R3943722-3 06/30/23 10:02

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | ppbv      |              | ppbv   | ppbv     |
| Cyclohexane                | U         |              | 0.0753 | 0.200    |
| Heptane                    | U         |              | 0.104  | 0.200    |
| n-Hexane                   | U         |              | 0.206  | 0.630    |
| TPH (GC/MS) Low Fraction   | U         |              | 39.7   | 200      |
| (S) 1,4-Bromofluorobenzene | 92.6      |              |        | 60.0-140 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3943722-1 06/30/23 08:46 • (LCSD) R3943722-2 06/30/23 09:25

| Analyte                    | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
|                            | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %     | %          |
| Cyclohexane                | 3.75         | 3.73       | 3.75        | 99.5     | 100       | 70.0-130    |               |                | 0.535 | 25         |
| Heptane                    | 3.75         | 3.75       | 3.68        | 100      | 98.1      | 70.0-130    |               |                | 1.88  | 25         |
| n-Hexane                   | 3.75         | 3.81       | 3.76        | 102      | 100       | 70.0-130    |               |                | 1.32  | 25         |
| TPH (GC/MS) Low Fraction   | 188          | 172        | 171         | 91.5     | 91.0      | 70.0-130    |               |                | 0.583 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 94.6     | 94.7      | 60.0-140    |               |                |       |            |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Volatile Organic Compounds (MS) by Method TO-15 [L1630304-01,04](#)

Method Blank (MB)

(MB) R3944236-3 07/01/23 09:29

|                            | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
| Analyte                    | ppbv      |              | ppbv   | ppbv     |
| n-Hexane                   | U         |              | 0.206  | 0.630    |
| (S) 1,4-Bromofluorobenzene | 98.0      |              |        | 60.0-140 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

<sup>10</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3944236-1 07/01/23 08:13 • (LCSD) R3944236-2 07/01/23 08:52

|                            | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte                    | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %     | %          |
| n-Hexane                   | 3.75         | 3.74       | 3.73        | 99.7     | 99.5      | 70.0-130    |               |                | 0.268 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 97.8     | 98.1      | 60.0-140    |               |                |       |            |

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ND                           | Not detected at the Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.                                                                                                                                                                                                                                               |
| U                            | Not detected at the Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.                                                                                    |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.                                                                                                                                                                                                                                                      |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.                                                                                                                                                                  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.                                                                                                                                                                          |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.                                                                                                                                                                                              |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.                                                              |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.                                                                                                                                                                                             |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.                                                                                                                                                                                                                                                                                                                                                            |

| Qualifier | Description                                                                                                                                 |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------|
| E         | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J         | The identification of the analyte is acceptable; the reported value is an estimate.                                                         |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                                |             |                             |                  |
|--------------------------------|-------------|-----------------------------|------------------|
| Alabama                        | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                         | 17-026      | Nevada                      | TN000032021-1    |
| Arizona                        | AZ0612      | New Hampshire               | 2975             |
| Arkansas                       | 88-0469     | New Jersey--NELAP           | TN002            |
| California                     | 2932        | New Mexico <sup>1</sup>     | TN00003          |
| Colorado                       | TN00003     | New York                    | 11742            |
| Connecticut                    | PH-0197     | North Carolina              | Env375           |
| Florida                        | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                        | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>           | 923         | North Dakota                | R-140            |
| Idaho                          | TN00003     | Ohio--VAP                   | CL0069           |
| Illinois                       | 200008      | Oklahoma                    | 9915             |
| Indiana                        | C-TN-01     | Oregon                      | TN200002         |
| Iowa                           | 364         | Pennsylvania                | 68-02979         |
| Kansas                         | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1 6</sup>        | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>          | 16          | South Dakota                | n/a              |
| Louisiana                      | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana                      | LA018       | Texas                       | T104704245-20-18 |
| Maine                          | TN00003     | Texas <sup>5</sup>          | LAB0152          |
| Maryland                       | 324         | Utah                        | TN000032021-11   |
| Massachusetts                  | M-TN003     | Vermont                     | VT2006           |
| Michigan                       | 9958        | Virginia                    | 110033           |
| Minnesota                      | 047-999-395 | Washington                  | C847             |
| Mississippi                    | TN00003     | West Virginia               | 233              |
| Missouri                       | 340         | Wisconsin                   | 998093910        |
| Montana                        | CERT0086    | Wyoming                     | A2LA             |
| A2LA -- ISO 17025              | 1461.01     | AIHA-LAP, LLC EMLAP         | 100789           |
| A2LA -- ISO 17025 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                         | 1461.01     | USDA                        | P330-15-00234    |
| EPA--Crypto                    | TN00003     |                             |                  |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Tr<sup>6</sup> Sr<sup>7</sup> Qc<sup>8</sup> Gl<sup>9</sup> Al<sup>10</sup> Sc



Released to Imaging: 3/21/2024 4:18:32 PM



Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Beaux Jennings  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 6/19/2023 5:18:50 PM

## JOB DESCRIPTION

South Hobbs - 03B1417002  
South Hobbs

## JOB NUMBER

880-29354-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
6/19/2023 5:18:50 PM

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

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Laboratory Job ID: 880-29354-1

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| Surrogate Summary . . . . .      | 11 |
| QC Sample Results . . . . .      | 12 |
| QC Association Summary . . . . . | 21 |
| Lab Chronicle . . . . .          | 23 |
| Certification Summary . . . . .  | 24 |
| Method Summary . . . . .         | 25 |
| Sample Summary . . . . .         | 26 |
| Chain of Custody . . . . .       | 27 |
| Receipt Checklists . . . . .     | 29 |

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

Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| H         | Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.  |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

General Chemistry

| Qualifier | Qualifier Description                                                                                |
|-----------|------------------------------------------------------------------------------------------------------|
| HF        | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| U         | Indicates the analyte was analyzed for but not detected.                                             |

Glossary

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

Eurofins Midland

## Case Narrative

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

**Job ID: 880-29354-1**

**Laboratory: Eurofins Midland**

### Narrative

#### Job Narrative 880-29354-1

#### Receipt

The samples were received on 6/9/2023 3:49 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.3°C

#### GC/MS VOA

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

#### GC Semi VOA

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

#### HPLC/IC

Method 300\_ORGFM\_28D: The instrument blank/CCB for analytical batch 860-107354 contained Chloride greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been qualified and reported.

Method 300\_ORGFMS: Reanalysis of the following samples were performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis : MW-1 (880-29354-1) and MW-2 (880-29354-2).

Method 300\_ORGFMS: The instrument blank/CCB for analytical batch 860-107355 contained Nitrite as N greater than the method detection limit (MDL),therefore, re-extraction and/or re-analysis of samples was not performed.The data have been qualified and reported.

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

#### General Chemistry

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



## Client Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-29354-1

Date Collected: 06/09/23 10:25

Matrix: Water

Date Received: 06/09/23 15:49

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U         | 0.00100 | 0.000460 mg/L |   |          | 06/13/23 15:23 | 1       |
| Bromobenzene                  | <0.000665 | U         | 0.00100 | 0.000665 mg/L |   |          | 06/13/23 15:23 | 1       |
| Bromochloromethane            | <0.000657 | U         | 0.00100 | 0.000657 mg/L |   |          | 06/13/23 15:23 | 1       |
| Bromodichloromethane          | <0.000552 | U         | 0.00100 | 0.000552 mg/L |   |          | 06/13/23 15:23 | 1       |
| Bromoform                     | <0.000633 | U         | 0.00500 | 0.000633 mg/L |   |          | 06/13/23 15:23 | 1       |
| Bromomethane                  | <0.00142  | U         | 0.00500 | 0.00142 mg/L  |   |          | 06/13/23 15:23 | 1       |
| 2-Butanone                    | <0.00828  | U         | 0.0500  | 0.00828 mg/L  |   |          | 06/13/23 15:23 | 1       |
| Carbon tetrachloride          | <0.000896 | U         | 0.00500 | 0.000896 mg/L |   |          | 06/13/23 15:23 | 1       |
| Chlorobenzene                 | <0.000530 | U         | 0.00100 | 0.000530 mg/L |   |          | 06/13/23 15:23 | 1       |
| Chloroethane                  | <0.00198  | U         | 0.0100  | 0.00198 mg/L  |   |          | 06/13/23 15:23 | 1       |
| Chloroform                    | <0.000643 | U         | 0.00100 | 0.000643 mg/L |   |          | 06/13/23 15:23 | 1       |
| Chloromethane                 | <0.00204  | U         | 0.0100  | 0.00204 mg/L  |   |          | 06/13/23 15:23 | 1       |
| 2-Chlorotoluene               | <0.00118  | U         | 0.00200 | 0.00118 mg/L  |   |          | 06/13/23 15:23 | 1       |
| 4-Chlorotoluene               | <0.000472 | U         | 0.00100 | 0.000472 mg/L |   |          | 06/13/23 15:23 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U         | 0.00100 | 0.000714 mg/L |   |          | 06/13/23 15:23 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U         | 0.00500 | 0.00107 mg/L  |   |          | 06/13/23 15:23 | 1       |
| Dibromochloromethane          | <0.000547 | U         | 0.00500 | 0.000547 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 15:23 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U         | 0.00500 | 0.000999 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U         | 0.00100 | 0.000509 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 15:23 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U         | 0.00100 | 0.000635 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U         | 0.00100 | 0.000590 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U         | 0.00100 | 0.000738 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U         | 0.00500 | 0.000667 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U         | 0.00500 | 0.000514 mg/L |   |          | 06/13/23 15:23 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U         | 0.00500 | 0.000780 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U         | 0.00500 | 0.00160 mg/L  |   |          | 06/13/23 15:23 | 1       |
| Ethylbenzene                  | <0.000411 | U         | 0.00100 | 0.000411 mg/L |   |          | 06/13/23 15:23 | 1       |
| Hexachlorobutadiene           | <0.00126  | U         | 0.00500 | 0.00126 mg/L  |   |          | 06/13/23 15:23 | 1       |
| Isopropylbenzene              | <0.000613 | U         | 0.00100 | 0.000613 mg/L |   |          | 06/13/23 15:23 | 1       |
| Methylene Chloride            | <0.00173  | U         | 0.00500 | 0.00173 mg/L  |   |          | 06/13/23 15:23 | 1       |
| m,p-Xylenes                   | <0.00124  | U         | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 15:23 | 1       |
| MTBE                          | <0.00139  | U         | 0.00500 | 0.00139 mg/L  |   |          | 06/13/23 15:23 | 1       |
| Naphthalene                   | <0.00135  | U         | 0.0100  | 0.00135 mg/L  |   |          | 06/13/23 15:23 | 1       |
| n-Butylbenzene                | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 15:23 | 1       |
| N-Propylbenzene               | <0.000498 | U         | 0.00100 | 0.000498 mg/L |   |          | 06/13/23 15:23 | 1       |
| o-Xylene                      | <0.000551 | U         | 0.00100 | 0.000551 mg/L |   |          | 06/13/23 15:23 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 15:23 | 1       |
| sec-Butylbenzene              | <0.000468 | U         | 0.00100 | 0.000468 mg/L |   |          | 06/13/23 15:23 | 1       |
| Styrene                       | <0.000655 | U         | 0.00100 | 0.000655 mg/L |   |          | 06/13/23 15:23 | 1       |
| tert-Butylbenzene             | <0.000442 | U         | 0.00100 | 0.000442 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U         | 0.00100 | 0.000470 mg/L |   |          | 06/13/23 15:23 | 1       |
| Tetrachloroethene             | <0.000801 | U         | 0.00100 | 0.000801 mg/L |   |          | 06/13/23 15:23 | 1       |
| Toluene                       | <0.000475 | U         | 0.00100 | 0.000475 mg/L |   |          | 06/13/23 15:23 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 | U         | 0.00100 | 0.000945 mg/L |   |          | 06/13/23 15:23 | 1       |

Eurofins Midland



## Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

Client Sample ID: MW-1

Lab Sample ID: 880-29354-1

Date Collected: 06/09/23 10:25

Matrix: Water

Date Received: 06/09/23 15:49

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 15:23 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U         | 0.00500 | 0.00217 mg/L  |   |          | 06/13/23 15:23 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U         | 0.00500 | 0.00175 mg/L  |   |          | 06/13/23 15:23 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U         | 0.00500 | 0.00169 mg/L  |   |          | 06/13/23 15:23 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U         | 0.00100 | 0.000511 mg/L |   |          | 06/13/23 15:23 | 1       |
| Trichloroethene           | <0.000791 | U         | 0.00500 | 0.000791 mg/L |   |          | 06/13/23 15:23 | 1       |
| Trichlorofluoromethane    | <0.000638 | U         | 0.00100 | 0.000638 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U         | 0.00100 | 0.000490 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U         | 0.00100 | 0.000417 mg/L |   |          | 06/13/23 15:23 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U         | 0.00100 | 0.000456 mg/L |   |          | 06/13/23 15:23 | 1       |
| Vinyl chloride            | <0.000638 | U         | 0.00200 | 0.000638 mg/L |   |          | 06/13/23 15:23 | 1       |
| Xylenes, Total            | <0.00124  | U         | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 15:23 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 107       |           | 74 - 124 |          | 06/13/23 15:23 | 1       |
| Dibromofluoromethane (Surr)  | 94        |           | 75 - 131 |          | 06/13/23 15:23 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 63 - 144 |          | 06/13/23 15:23 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |          | 06/13/23 15:23 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | 2.21   | J         | 4.76 | 0.941 mg/L |   |          | 06/19/23 18:11 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.941    | U         | 4.76     | 0.941 mg/L |   | 06/15/23 16:14 | 06/16/23 00:32 | 1       |
| Diesel Range Organics (Over C10-C28) | 2.21      | J         | 4.76     | 0.941 mg/L |   | 06/15/23 16:14 | 06/16/23 00:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.908    | U         | 4.76     | 0.908 mg/L |   | 06/15/23 16:14 | 06/16/23 00:32 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 99        |           | 70 - 135 |            |   | 06/15/23 16:14 | 06/16/23 00:32 | 1       |
| o-Terphenyl                          | 115       |           | 70 - 135 |            |   | 06/15/23 16:14 | 06/16/23 00:32 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 96.5   |           | 0.500 | 0.250 mg/L  |   |          | 06/13/23 10:59 | 1       |
| Nitrate as N | 0.149  | H         | 0.100 | 0.0391 mg/L |   |          | 06/13/23 10:59 | 1       |
| Fluoride     | 0.291  | J         | 0.500 | 0.100 mg/L  |   |          | 06/13/23 10:59 | 1       |
| Nitrite as N | 0.158  | H         | 0.100 | 0.0293 mg/L |   |          | 06/13/23 10:59 | 1       |
| Sulfate      | 21.0   |           | 0.500 | 0.200 mg/L  |   |          | 06/13/23 10:59 | 1       |

## General Chemistry

| Analyte                                    | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Alkalinity (SM 2320B)                      | 823    |           | 4.00 | 4.00 mg/L |   |          | 06/14/23 15:08 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 823    |           | 4.00 | 4.00 mg/L |   |          | 06/14/23 15:08 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/14/23 15:08 | 1       |
| Carbon dioxide (SM 4500 CO2 D)             | 889    |           |      | mg/L      |   |          | 06/13/23 08:47 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

## Client Sample ID: MW-1

Lab Sample ID: 880-29354-1

Date Collected: 06/09/23 10:25

Matrix: Water

Date Received: 06/09/23 15:49

## General Chemistry (Continued)

| Analyte                              | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------------|---|----------|----------------|---------|
| Carbon Dioxide, Free (SM 4500 CO2 D) | 165    |           |      | mg/L       |   |          | 06/13/23 08:47 | 1       |
| pH (SM 4500 H+ B)                    | 7.0    | HF        |      | SU         |   |          | 06/13/23 15:36 | 1       |
| Temperature (SM 4500 H+ B)           | 19.1   | HF        |      | Degrees C  |   |          | 06/13/23 15:36 | 1       |
| Sulfide (SM 4500 S2 F)               | <0.495 | U         | 5.00 | 0.495 mg/L |   |          | 06/13/23 10:11 | 1       |

## Client Sample ID: MW-2

Lab Sample ID: 880-29354-2

Date Collected: 06/09/23 11:30

Matrix: Water

Date Received: 06/09/23 15:49

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                     | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                     | 0.0180    |           | 0.00100 | 0.000460 mg/L |   |          | 06/13/23 15:42 | 1       |
| Bromobenzene                | <0.000665 | U         | 0.00100 | 0.000665 mg/L |   |          | 06/13/23 15:42 | 1       |
| Bromochloromethane          | <0.000657 | U         | 0.00100 | 0.000657 mg/L |   |          | 06/13/23 15:42 | 1       |
| Bromodichloromethane        | <0.000552 | U         | 0.00100 | 0.000552 mg/L |   |          | 06/13/23 15:42 | 1       |
| Bromoform                   | <0.000633 | U         | 0.00500 | 0.000633 mg/L |   |          | 06/13/23 15:42 | 1       |
| Bromomethane                | 0.00336   | J         | 0.00500 | 0.00142 mg/L  |   |          | 06/13/23 15:42 | 1       |
| 2-Butanone                  | <0.00828  | U         | 0.0500  | 0.00828 mg/L  |   |          | 06/13/23 15:42 | 1       |
| Carbon tetrachloride        | <0.000896 | U         | 0.00500 | 0.000896 mg/L |   |          | 06/13/23 15:42 | 1       |
| Chlorobenzene               | <0.000530 | U         | 0.00100 | 0.000530 mg/L |   |          | 06/13/23 15:42 | 1       |
| Chloroethane                | <0.00198  | U         | 0.0100  | 0.00198 mg/L  |   |          | 06/13/23 15:42 | 1       |
| Chloroform                  | <0.000643 | U         | 0.00100 | 0.000643 mg/L |   |          | 06/13/23 15:42 | 1       |
| Chloromethane               | 0.00299   | J         | 0.0100  | 0.00204 mg/L  |   |          | 06/13/23 15:42 | 1       |
| 2-Chlorotoluene             | <0.00118  | U         | 0.00200 | 0.00118 mg/L  |   |          | 06/13/23 15:42 | 1       |
| 4-Chlorotoluene             | <0.000472 | U         | 0.00100 | 0.000472 mg/L |   |          | 06/13/23 15:42 | 1       |
| cis-1,2-Dichloroethene      | <0.000714 | U         | 0.00100 | 0.000714 mg/L |   |          | 06/13/23 15:42 | 1       |
| cis-1,3-Dichloropropene     | <0.00107  | U         | 0.00500 | 0.00107 mg/L  |   |          | 06/13/23 15:42 | 1       |
| Dibromochloromethane        | <0.000547 | U         | 0.00500 | 0.000547 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 15:42 | 1       |
| 1,2-Dibromoethane           | <0.000999 | U         | 0.00500 | 0.000999 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,2-Dichlorobenzene         | <0.000509 | U         | 0.00100 | 0.000509 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,3-Dichlorobenzene         | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,4-Dichlorobenzene         | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 15:42 | 1       |
| Dichlorodifluoromethane     | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,1-Dichloroethane          | <0.000635 | U         | 0.00100 | 0.000635 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,2-Dichloroethane          | <0.000590 | U         | 0.00100 | 0.000590 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,1-Dichloroethene          | <0.000738 | U         | 0.00100 | 0.000738 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,2-Dichloropropane         | <0.000667 | U         | 0.00500 | 0.000667 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,3-Dichloropropane         | <0.000514 | U         | 0.00500 | 0.000514 mg/L |   |          | 06/13/23 15:42 | 1       |
| 2,2-Dichloropropane         | <0.000780 | U         | 0.00500 | 0.000780 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,1-Dichloropropene         | <0.00160  | U         | 0.00500 | 0.00160 mg/L  |   |          | 06/13/23 15:42 | 1       |
| Ethylbenzene                | 0.0196    |           | 0.00100 | 0.000411 mg/L |   |          | 06/13/23 15:42 | 1       |
| Hexachlorobutadiene         | <0.00126  | U         | 0.00500 | 0.00126 mg/L  |   |          | 06/13/23 15:42 | 1       |
| Isopropylbenzene            | 0.0114    |           | 0.00100 | 0.000613 mg/L |   |          | 06/13/23 15:42 | 1       |
| Methylene Chloride          | <0.00173  | U         | 0.00500 | 0.00173 mg/L  |   |          | 06/13/23 15:42 | 1       |
| m,p-Xylenes                 | 0.0666    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 15:42 | 1       |
| MTBE                        | <0.00139  | U         | 0.00500 | 0.00139 mg/L  |   |          | 06/13/23 15:42 | 1       |
| Naphthalene                 | <0.00135  | U         | 0.0100  | 0.00135 mg/L  |   |          | 06/13/23 15:42 | 1       |
| n-Butylbenzene              | 0.00104   |           | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 15:42 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-2

Lab Sample ID: 880-29354-2

Date Collected: 06/09/23 11:30

Matrix: Water

Date Received: 06/09/23 15:49

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| N-Propylbenzene               | 0.00349   |           | 0.00100 | 0.000498 mg/L |   |          | 06/13/23 15:42 | 1       |
| o-Xylene                      | 0.0129    |           | 0.00100 | 0.000551 mg/L |   |          | 06/13/23 15:42 | 1       |
| p-Cymene (p-Isopropyltoluene) | 0.00115   |           | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 15:42 | 1       |
| sec-Butylbenzene              | 0.00151   |           | 0.00100 | 0.000468 mg/L |   |          | 06/13/23 15:42 | 1       |
| Styrene                       | <0.000655 | U         | 0.00100 | 0.000655 mg/L |   |          | 06/13/23 15:42 | 1       |
| tert-Butylbenzene             | <0.000442 | U         | 0.00100 | 0.000442 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U         | 0.00100 | 0.000470 mg/L |   |          | 06/13/23 15:42 | 1       |
| Tetrachloroethene             | <0.000801 | U         | 0.00100 | 0.000801 mg/L |   |          | 06/13/23 15:42 | 1       |
| Toluene                       | 0.00256   |           | 0.00100 | 0.000475 mg/L |   |          | 06/13/23 15:42 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 | U         | 0.00100 | 0.000945 mg/L |   |          | 06/13/23 15:42 | 1       |
| trans-1,3-Dichloropropene     | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 15:42 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00217  | U         | 0.00500 | 0.00217 mg/L  |   |          | 06/13/23 15:42 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00175  | U         | 0.00500 | 0.00175 mg/L  |   |          | 06/13/23 15:42 | 1       |
| 1,1,1-Trichloroethane         | <0.00169  | U         | 0.00500 | 0.00169 mg/L  |   |          | 06/13/23 15:42 | 1       |
| 1,1,2-Trichloroethane         | <0.000511 | U         | 0.00100 | 0.000511 mg/L |   |          | 06/13/23 15:42 | 1       |
| Trichloroethene               | <0.000791 | U         | 0.00500 | 0.000791 mg/L |   |          | 06/13/23 15:42 | 1       |
| Trichlorofluoromethane        | <0.000638 | U         | 0.00100 | 0.000638 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,2,3-Trichloropropane        | <0.000490 | U         | 0.00100 | 0.000490 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,2,4-Trimethylbenzene        | 0.0433    |           | 0.00100 | 0.000417 mg/L |   |          | 06/13/23 15:42 | 1       |
| 1,3,5-Trimethylbenzene        | 0.0105    |           | 0.00100 | 0.000456 mg/L |   |          | 06/13/23 15:42 | 1       |
| Vinyl chloride                | <0.000638 | U         | 0.00200 | 0.000638 mg/L |   |          | 06/13/23 15:42 | 1       |
| Xylenes, Total                | 0.0795    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 15:42 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 104       |           | 74 - 124 |          | 06/13/23 15:42 | 1       |
| Dibromofluoromethane (Surr)  | 98        |           | 75 - 131 |          | 06/13/23 15:42 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 63 - 144 |          | 06/13/23 15:42 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 06/13/23 15:42 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | 16.9   |           | 4.92 | 0.972 mg/L |   |          | 06/19/23 18:11 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.82   | J         | 4.92 | 0.972 mg/L |   | 06/15/23 16:14 | 06/19/23 16:03 | 1       |
| Diesel Range Organics (Over C10-C28) | 12.8   |           | 4.92 | 0.972 mg/L |   | 06/15/23 16:14 | 06/19/23 16:03 | 1       |
| Oil Range Organics (Over C28-C36)    | 2.28   | J         | 4.92 | 0.938 mg/L |   | 06/15/23 16:14 | 06/19/23 16:03 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 118       |           | 70 - 135 | 06/15/23 16:14 | 06/19/23 16:03 | 1       |
| o-Terphenyl    | 122       |           | 70 - 135 | 06/15/23 16:14 | 06/19/23 16:03 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 73.4   |           | 0.500 | 0.250 mg/L  |   |          | 06/13/23 11:14 | 1       |
| Nitrate as N | 0.245  | H         | 0.100 | 0.0391 mg/L |   |          | 06/13/23 11:14 | 1       |

Eurofins Midland

Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

Client Sample ID: MW-2  
Date Collected: 06/09/23 11:30  
Date Received: 06/09/23 15:49

Lab Sample ID: 880-29354-2  
Matrix: Water

| Method: EPA 300.0 - Anions, Ion Chromatography (Continued) |        |           |       |        |      |   |          |                |         |
|------------------------------------------------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Analyte                                                    | Result | Qualifier | RL    |        | Unit | D | Prepared | Analyzed       | Dil Fac |
| Fluoride                                                   | 0.129  | J         | 0.500 | 0.100  | mg/L |   |          | 06/13/23 11:14 | 1       |
| Nitrite as N                                               | 0.720  | H         | 0.100 | 0.0293 | mg/L |   |          | 06/13/23 11:14 | 1       |
| Sulfate                                                    | 87.1   |           | 0.500 | 0.200  | mg/L |   |          | 06/13/23 11:14 | 1       |

| General Chemistry                          |        |           |      |       |           |   |          |                |         |
|--------------------------------------------|--------|-----------|------|-------|-----------|---|----------|----------------|---------|
| Analyte                                    | Result | Qualifier | RL   |       | Unit      | D | Prepared | Analyzed       | Dil Fac |
| Alkalinity (SM 2320B)                      | 1310   |           | 4.00 | 4.00  | mg/L      |   |          | 06/14/23 15:25 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 1310   |           | 4.00 | 4.00  | mg/L      |   |          | 06/14/23 15:25 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)   | <4.00  | U         | 4.00 | 4.00  | mg/L      |   |          | 06/14/23 15:25 | 1       |
| Carbon dioxide (SM 4500 CO2 D)             | 2200   |           |      |       | mg/L      |   |          | 06/13/23 08:47 | 1       |
| Carbon Dioxide, Free (SM 4500 CO2 D)       | 1050   |           |      |       | mg/L      |   |          | 06/13/23 08:47 | 1       |
| pH (SM 4500 H+ B)                          | 6.4    | HF        |      |       | SU        |   |          | 06/13/23 15:38 | 1       |
| Temperature (SM 4500 H+ B)                 | 18.6   | HF        |      |       | Degrees C |   |          | 06/13/23 15:38 | 1       |
| Sulfide (SM 4500 S2 F)                     | <0.495 | U         | 5.00 | 0.495 | mg/L      |   |          | 06/13/23 10:11 | 1       |

Surrogate Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

Method: 8260C - Volatile Organic Compounds by GC/MS  
Matrix: Water

Prep Type: Total/NA

|                                    |                        | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |                 |
|------------------------------------|------------------------|------------------------------------------------|------------------|-----------------|-----------------|
| Lab Sample ID                      | Client Sample ID       | BFB<br>(74-124)                                | DBFM<br>(75-131) | DCA<br>(63-144) | TOL<br>(80-120) |
| 880-29354-1                        | MW-1                   | 107                                            | 94               | 96              | 104             |
| 880-29354-2                        | MW-2                   | 104                                            | 98               | 94              | 103             |
| LCS 860-107490/1010                | Lab Control Sample     | 100                                            | 97               | 93              | 98              |
| LCSD 860-107490/11                 | Lab Control Sample Dup | 99                                             | 98               | 88              | 98              |
| MB 860-107490/16                   | Method Blank           | 106                                            | 100              | 96              | 104             |
| Surrogate Legend                   |                        |                                                |                  |                 |                 |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |                                                |                  |                 |                 |
| DBFM = Dibromofluoromethane (Surr) |                        |                                                |                  |                 |                 |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |                                                |                  |                 |                 |
| TOL = Toluene-d8 (Surr)            |                        |                                                |                  |                 |                 |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Water

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-135)                               | OTPH1<br>(70-135) |
| 880-29354-1          | MW-1                   | 99                                             | 115               |
| 880-29354-2          | MW-2                   | 118                                            | 122               |
| LCS 860-108039/2-A   | Lab Control Sample     | 102                                            | 115               |
| LCSD 860-108039/3-A  | Lab Control Sample Dup | 102                                            | 116               |
| MB 860-108039/1-A    | Method Blank           | 101                                            | 121               |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |

## QC Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-107490/16

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U            | 0.00100 | 0.000460 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromobenzene                  | <0.000665 | U            | 0.00100 | 0.000665 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromochloromethane            | <0.000657 | U            | 0.00100 | 0.000657 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromodichloromethane          | <0.000552 | U            | 0.00100 | 0.000552 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromoform                     | <0.000633 | U            | 0.00500 | 0.000633 mg/L |   |          | 06/13/23 15:04 | 1       |
| Bromomethane                  | <0.00142  | U            | 0.00500 | 0.00142 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 2-Butanone                    | <0.00828  | U            | 0.0500  | 0.00828 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Carbon tetrachloride          | <0.000896 | U            | 0.00500 | 0.000896 mg/L |   |          | 06/13/23 15:04 | 1       |
| Chlorobenzene                 | <0.000530 | U            | 0.00100 | 0.000530 mg/L |   |          | 06/13/23 15:04 | 1       |
| Chloroethane                  | <0.00198  | U            | 0.0100  | 0.00198 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Chloroform                    | <0.000643 | U            | 0.00100 | 0.000643 mg/L |   |          | 06/13/23 15:04 | 1       |
| Chloromethane                 | <0.00204  | U            | 0.0100  | 0.00204 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 2-Chlorotoluene               | <0.00118  | U            | 0.00200 | 0.00118 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 4-Chlorotoluene               | <0.000472 | U            | 0.00100 | 0.000472 mg/L |   |          | 06/13/23 15:04 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U            | 0.00100 | 0.000714 mg/L |   |          | 06/13/23 15:04 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U            | 0.00500 | 0.00107 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Dibromochloromethane          | <0.000547 | U            | 0.00500 | 0.000547 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U            | 0.00500 | 0.000999 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U            | 0.00100 | 0.000509 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/13/23 15:04 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U            | 0.00100 | 0.000635 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U            | 0.00100 | 0.000590 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U            | 0.00100 | 0.000738 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U            | 0.00500 | 0.000667 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U            | 0.00500 | 0.000514 mg/L |   |          | 06/13/23 15:04 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U            | 0.00500 | 0.000780 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U            | 0.00500 | 0.00160 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Ethylbenzene                  | <0.000411 | U            | 0.00100 | 0.000411 mg/L |   |          | 06/13/23 15:04 | 1       |
| Hexachlorobutadiene           | <0.00126  | U            | 0.00500 | 0.00126 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Isopropylbenzene              | <0.000613 | U            | 0.00100 | 0.000613 mg/L |   |          | 06/13/23 15:04 | 1       |
| Methylene Chloride            | <0.00173  | U            | 0.00500 | 0.00173 mg/L  |   |          | 06/13/23 15:04 | 1       |
| m,p-Xylenes                   | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 15:04 | 1       |
| MTBE                          | <0.00139  | U            | 0.00500 | 0.00139 mg/L  |   |          | 06/13/23 15:04 | 1       |
| Naphthalene                   | <0.00135  | U            | 0.0100  | 0.00135 mg/L  |   |          | 06/13/23 15:04 | 1       |
| n-Butylbenzene                | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 15:04 | 1       |
| N-Propylbenzene               | <0.000498 | U            | 0.00100 | 0.000498 mg/L |   |          | 06/13/23 15:04 | 1       |
| o-Xylene                      | <0.000551 | U            | 0.00100 | 0.000551 mg/L |   |          | 06/13/23 15:04 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/13/23 15:04 | 1       |
| sec-Butylbenzene              | <0.000468 | U            | 0.00100 | 0.000468 mg/L |   |          | 06/13/23 15:04 | 1       |
| Styrene                       | <0.000655 | U            | 0.00100 | 0.000655 mg/L |   |          | 06/13/23 15:04 | 1       |
| tert-Butylbenzene             | <0.000442 | U            | 0.00100 | 0.000442 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U            | 0.00100 | 0.000470 mg/L |   |          | 06/13/23 15:04 | 1       |
| Tetrachloroethene             | <0.000801 | U            | 0.00100 | 0.000801 mg/L |   |          | 06/13/23 15:04 | 1       |
| Toluene                       | <0.000475 | U            | 0.00100 | 0.000475 mg/L |   |          | 06/13/23 15:04 | 1       |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-107490/16

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.000945 | U            | 0.00100 | 0.000945 mg/L |   |          | 06/13/23 15:04 | 1       |
| trans-1,3-Dichloropropene | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U            | 0.00500 | 0.00217 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U            | 0.00500 | 0.00175 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U            | 0.00500 | 0.00169 mg/L  |   |          | 06/13/23 15:04 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U            | 0.00100 | 0.000511 mg/L |   |          | 06/13/23 15:04 | 1       |
| Trichloroethene           | <0.000791 | U            | 0.00500 | 0.000791 mg/L |   |          | 06/13/23 15:04 | 1       |
| Trichlorofluoromethane    | <0.000638 | U            | 0.00100 | 0.000638 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U            | 0.00100 | 0.000490 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U            | 0.00100 | 0.000417 mg/L |   |          | 06/13/23 15:04 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U            | 0.00100 | 0.000456 mg/L |   |          | 06/13/23 15:04 | 1       |
| Vinyl chloride            | <0.000638 | U            | 0.00200 | 0.000638 mg/L |   |          | 06/13/23 15:04 | 1       |
| Xylenes, Total            | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/13/23 15:04 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 106          |              | 74 - 124 |          | 06/13/23 15:04 | 1       |
| Dibromofluoromethane (Surr)  | 100          |              | 75 - 131 |          | 06/13/23 15:04 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 96           |              | 63 - 144 |          | 06/13/23 15:04 | 1       |
| Toluene-d8 (Surr)            | 104          |              | 80 - 120 |          | 06/13/23 15:04 | 1       |

Lab Sample ID: LCS 860-107490/1010

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene                     | 0.0500      | 0.05004    |               | mg/L |   | 100  | 75 - 125    |
| Bromobenzene                | 0.0500      | 0.04849    |               | mg/L |   | 97   | 75 - 125    |
| Bromochloromethane          | 0.0500      | 0.04896    |               | mg/L |   | 98   | 60 - 140    |
| Bromodichloromethane        | 0.0500      | 0.05071    |               | mg/L |   | 101  | 75 - 125    |
| Bromoform                   | 0.0500      | 0.04438    |               | mg/L |   | 89   | 70 - 130    |
| Bromomethane                | 0.0500      | 0.04913    |               | mg/L |   | 98   | 60 - 140    |
| 2-Butanone                  | 0.250       | 0.2304     |               | mg/L |   | 92   | 60 - 140    |
| Carbon tetrachloride        | 0.0500      | 0.04175    |               | mg/L |   | 83   | 70 - 130    |
| Chlorobenzene               | 0.0500      | 0.04800    |               | mg/L |   | 96   | 65 - 135    |
| Chloroethane                | 0.0500      | 0.03946    |               | mg/L |   | 79   | 60 - 140    |
| Chloroform                  | 0.0500      | 0.04803    |               | mg/L |   | 96   | 70 - 121    |
| Chloromethane               | 0.0500      | 0.04628    |               | mg/L |   | 93   | 60 - 140    |
| 2-Chlorotoluene             | 0.0500      | 0.04849    |               | mg/L |   | 97   | 73 - 125    |
| 4-Chlorotoluene             | 0.0500      | 0.04830    |               | mg/L |   | 97   | 74 - 125    |
| cis-1,2-Dichloroethene      | 0.0500      | 0.04616    |               | mg/L |   | 92   | 75 - 125    |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05150    |               | mg/L |   | 103  | 74 - 125    |
| Dibromochloromethane        | 0.0500      | 0.05184    |               | mg/L |   | 104  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05381    |               | mg/L |   | 108  | 59 - 125    |
| 1,2-Dibromoethane           | 0.0500      | 0.04915    |               | mg/L |   | 98   | 73 - 125    |
| 1,2-Dichlorobenzene         | 0.0500      | 0.04877    |               | mg/L |   | 98   | 75 - 125    |
| 1,3-Dichlorobenzene         | 0.0500      | 0.04858    |               | mg/L |   | 97   | 75 - 125    |
| 1,4-Dichlorobenzene         | 0.0500      | 0.04842    |               | mg/L |   | 97   | 75 - 125    |
| Dichlorodifluoromethane     | 0.0500      | 0.04701    |               | mg/L |   | 94   | 50 - 150    |

Eurofins Midland



## QC Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-107490/1010

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1-Dichloroethane            | 0.0500      | 0.05042    |               | mg/L |   | 101  | 70 - 130    |
| 1,2-Dichloroethane            | 0.0500      | 0.04434    |               | mg/L |   | 89   | 72 - 130    |
| 1,1-Dichloroethene            | 0.0500      | 0.04890    |               | mg/L |   | 98   | 50 - 150    |
| 1,2-Dichloropropane           | 0.0500      | 0.05128    |               | mg/L |   | 103  | 74 - 125    |
| 1,3-Dichloropropane           | 0.0500      | 0.04862    |               | mg/L |   | 97   | 75 - 125    |
| 2,2-Dichloropropane           | 0.0500      | 0.04646    |               | mg/L |   | 93   | 75 - 125    |
| 1,1-Dichloropropene           | 0.0500      | 0.04322    |               | mg/L |   | 86   | 75 - 125    |
| Ethylbenzene                  | 0.0500      | 0.04920    |               | mg/L |   | 98   | 75 - 125    |
| Hexachlorobutadiene           | 0.0500      | 0.04864    |               | mg/L |   | 97   | 75 - 125    |
| Isopropylbenzene              | 0.0500      | 0.04964    |               | mg/L |   | 99   | 75 - 125    |
| Methylene Chloride            | 0.0500      | 0.04597    |               | mg/L |   | 92   | 71 - 125    |
| m,p-Xylenes                   | 0.0500      | 0.04900    |               | mg/L |   | 98   | 75 - 125    |
| MTBE                          | 0.0500      | 0.04917    |               | mg/L |   | 98   | 65 - 135    |
| Naphthalene                   | 0.0500      | 0.05018    |               | mg/L |   | 100  | 70 - 130    |
| n-Butylbenzene                | 0.0500      | 0.04929    |               | mg/L |   | 99   | 75 - 125    |
| N-Propylbenzene               | 0.0500      | 0.04952    |               | mg/L |   | 99   | 75 - 125    |
| o-Xylene                      | 0.0500      | 0.04933    |               | mg/L |   | 99   | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05016    |               | mg/L |   | 100  | 75 - 125    |
| sec-Butylbenzene              | 0.0500      | 0.04924    |               | mg/L |   | 98   | 75 - 125    |
| Styrene                       | 0.0500      | 0.05076    |               | mg/L |   | 102  | 75 - 125    |
| tert-Butylbenzene             | 0.0500      | 0.04999    |               | mg/L |   | 100  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05020    |               | mg/L |   | 100  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05105    |               | mg/L |   | 102  | 74 - 125    |
| Tetrachloroethene             | 0.0500      | 0.04931    |               | mg/L |   | 99   | 71 - 125    |
| Toluene                       | 0.0500      | 0.04815    |               | mg/L |   | 96   | 70 - 130    |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04729    |               | mg/L |   | 95   | 75 - 125    |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05052    |               | mg/L |   | 101  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.04941    |               | mg/L |   | 99   | 75 - 137    |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.04862    |               | mg/L |   | 97   | 75 - 135    |
| 1,1,1-Trichloroethane         | 0.0500      | 0.04938    |               | mg/L |   | 99   | 70 - 130    |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05076    |               | mg/L |   | 102  | 70 - 130    |
| Trichloroethene               | 0.0500      | 0.04960    |               | mg/L |   | 99   | 75 - 135    |
| Trichlorofluoromethane        | 0.0500      | 0.04866    |               | mg/L |   | 97   | 60 - 140    |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05138    |               | mg/L |   | 103  | 75 - 125    |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.04938    |               | mg/L |   | 99   | 75 - 125    |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.04808    |               | mg/L |   | 96   | 60 - 140    |
| Vinyl chloride                | 0.0500      | 0.05186    |               | mg/L |   | 104  | 60 - 140    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 97            |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 93            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 98            |               | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-107490/11

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike  | LCSD    | LCSD      | Unit | D | %Rec | %Rec     | RPD | Limit |
|-------------------------------|--------|---------|-----------|------|---|------|----------|-----|-------|
|                               | Added  | Result  | Qualifier |      |   |      | Limits   |     |       |
| Benzene                       | 0.0500 | 0.05363 |           | mg/L |   | 107  | 75 - 125 | 7   | 25    |
| Bromobenzene                  | 0.0500 | 0.05148 |           | mg/L |   | 103  | 75 - 125 | 6   | 25    |
| Bromochloromethane            | 0.0500 | 0.05367 |           | mg/L |   | 107  | 60 - 140 | 9   | 25    |
| Bromodichloromethane          | 0.0500 | 0.05470 |           | mg/L |   | 109  | 75 - 125 | 8   | 25    |
| Bromoform                     | 0.0500 | 0.04877 |           | mg/L |   | 98   | 70 - 130 | 9   | 25    |
| Bromomethane                  | 0.0500 | 0.05393 |           | mg/L |   | 108  | 60 - 140 | 9   | 25    |
| 2-Butanone                    | 0.250  | 0.2565  |           | mg/L |   | 103  | 60 - 140 | 11  | 25    |
| Carbon tetrachloride          | 0.0500 | 0.04363 |           | mg/L |   | 87   | 70 - 130 | 4   | 25    |
| Chlorobenzene                 | 0.0500 | 0.05203 |           | mg/L |   | 104  | 65 - 135 | 8   | 25    |
| Chloroethane                  | 0.0500 | 0.03800 |           | mg/L |   | 76   | 60 - 140 | 4   | 25    |
| Chloroform                    | 0.0500 | 0.05152 |           | mg/L |   | 103  | 70 - 121 | 7   | 25    |
| Chloromethane                 | 0.0500 | 0.04778 |           | mg/L |   | 96   | 60 - 140 | 3   | 25    |
| 2-Chlorotoluene               | 0.0500 | 0.05218 |           | mg/L |   | 104  | 73 - 125 | 7   | 25    |
| 4-Chlorotoluene               | 0.0500 | 0.05153 |           | mg/L |   | 103  | 74 - 125 | 6   | 25    |
| cis-1,2-Dichloroethene        | 0.0500 | 0.04938 |           | mg/L |   | 99   | 75 - 125 | 7   | 25    |
| cis-1,3-Dichloropropene       | 0.0500 | 0.05459 |           | mg/L |   | 109  | 74 - 125 | 6   | 25    |
| Dibromochloromethane          | 0.0500 | 0.05583 |           | mg/L |   | 112  | 73 - 125 | 7   | 25    |
| 1,2-Dibromo-3-Chloropropane   | 0.0500 | 0.05823 |           | mg/L |   | 116  | 59 - 125 | 8   | 25    |
| 1,2-Dibromoethane             | 0.0500 | 0.05375 |           | mg/L |   | 107  | 73 - 125 | 9   | 25    |
| 1,2-Dichlorobenzene           | 0.0500 | 0.05216 |           | mg/L |   | 104  | 75 - 125 | 7   | 25    |
| 1,3-Dichlorobenzene           | 0.0500 | 0.05115 |           | mg/L |   | 102  | 75 - 125 | 5   | 25    |
| 1,4-Dichlorobenzene           | 0.0500 | 0.05188 |           | mg/L |   | 104  | 75 - 125 | 7   | 25    |
| Dichlorodifluoromethane       | 0.0500 | 0.05011 |           | mg/L |   | 100  | 50 - 150 | 6   | 25    |
| 1,1-Dichloroethane            | 0.0500 | 0.05450 |           | mg/L |   | 109  | 70 - 130 | 8   | 25    |
| 1,2-Dichloroethane            | 0.0500 | 0.04962 |           | mg/L |   | 99   | 72 - 130 | 11  | 25    |
| 1,1-Dichloroethene            | 0.0500 | 0.05210 |           | mg/L |   | 104  | 50 - 150 | 6   | 25    |
| 1,2-Dichloropropane           | 0.0500 | 0.05557 |           | mg/L |   | 111  | 74 - 125 | 8   | 25    |
| 1,3-Dichloropropane           | 0.0500 | 0.05239 |           | mg/L |   | 105  | 75 - 125 | 7   | 25    |
| 2,2-Dichloropropane           | 0.0500 | 0.05391 |           | mg/L |   | 108  | 75 - 125 | 15  | 25    |
| 1,1-Dichloropropene           | 0.0500 | 0.04464 |           | mg/L |   | 89   | 75 - 125 | 3   | 25    |
| Ethylbenzene                  | 0.0500 | 0.05298 |           | mg/L |   | 106  | 75 - 125 | 7   | 25    |
| Hexachlorobutadiene           | 0.0500 | 0.05117 |           | mg/L |   | 102  | 75 - 125 | 5   | 25    |
| Isopropylbenzene              | 0.0500 | 0.05305 |           | mg/L |   | 106  | 75 - 125 | 7   | 25    |
| Methylene Chloride            | 0.0500 | 0.04814 |           | mg/L |   | 96   | 71 - 125 | 5   | 25    |
| m,p-Xylenes                   | 0.0500 | 0.05240 |           | mg/L |   | 105  | 75 - 125 | 7   | 25    |
| MTBE                          | 0.0500 | 0.05742 |           | mg/L |   | 115  | 65 - 135 | 15  | 25    |
| Naphthalene                   | 0.0500 | 0.05614 |           | mg/L |   | 112  | 70 - 130 | 11  | 25    |
| n-Butylbenzene                | 0.0500 | 0.05266 |           | mg/L |   | 105  | 75 - 125 | 7   | 25    |
| N-Propylbenzene               | 0.0500 | 0.05260 |           | mg/L |   | 105  | 75 - 125 | 6   | 25    |
| o-Xylene                      | 0.0500 | 0.05245 |           | mg/L |   | 105  | 75 - 125 | 6   | 25    |
| p-Cymene (p-Isopropyltoluene) | 0.0500 | 0.05368 |           | mg/L |   | 107  | 75 - 125 | 7   | 25    |
| sec-Butylbenzene              | 0.0500 | 0.05256 |           | mg/L |   | 105  | 75 - 125 | 7   | 25    |
| Styrene                       | 0.0500 | 0.05423 |           | mg/L |   | 108  | 75 - 125 | 7   | 25    |
| tert-Butylbenzene             | 0.0500 | 0.05315 |           | mg/L |   | 106  | 75 - 125 | 6   | 25    |
| 1,1,1,2-Tetrachloroethane     | 0.0500 | 0.05416 |           | mg/L |   | 108  | 72 - 125 | 8   | 25    |
| 1,1,2,2-Tetrachloroethane     | 0.0500 | 0.05462 |           | mg/L |   | 109  | 74 - 125 | 7   | 25    |
| Tetrachloroethene             | 0.0500 | 0.05382 |           | mg/L |   | 108  | 71 - 125 | 9   | 25    |
| Toluene                       | 0.0500 | 0.05191 |           | mg/L |   | 104  | 70 - 130 | 8   | 25    |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-107490/11

Matrix: Water

Analysis Batch: 107490

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.05468     |                | mg/L |   | 109  | 75 - 125    | 14  | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05410     |                | mg/L |   | 108  | 66 - 125    | 7   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.05482     |                | mg/L |   | 110  | 75 - 137    | 10  | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05440     |                | mg/L |   | 109  | 75 - 135    | 11  | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05329     |                | mg/L |   | 107  | 70 - 130    | 8   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05444     |                | mg/L |   | 109  | 70 - 130    | 7   | 25        |
| Trichloroethene           | 0.0500      | 0.05217     |                | mg/L |   | 104  | 75 - 135    | 5   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.05068     |                | mg/L |   | 101  | 60 - 140    | 4   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05487     |                | mg/L |   | 110  | 75 - 125    | 7   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05172     |                | mg/L |   | 103  | 75 - 125    | 5   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05199     |                | mg/L |   | 104  | 60 - 140    | 8   | 25        |
| Vinyl chloride            | 0.0500      | 0.05397     |                | mg/L |   | 108  | 60 - 140    | 4   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 99             |                | 74 - 124 |
| Dibromofluoromethane (Surr)  | 98             |                | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 88             |                | 63 - 144 |
| Toluene-d8 (Surr)            | 98             |                | 80 - 120 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-108039/1-A

Matrix: Water

Analysis Batch: 107999

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108039

| Analyte                              | MB Result | MB Qualifier | RL   | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.988    | U            | 5.00 | 0.988 mg/L |   | 06/15/23 16:14 | 06/15/23 23:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.988    | U            | 5.00 | 0.988 mg/L |   | 06/15/23 16:14 | 06/15/23 23:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.954    | U            | 5.00 | 0.954 mg/L |   | 06/15/23 16:14 | 06/15/23 23:52 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 101          |              | 70 - 135 | 06/15/23 16:14 | 06/15/23 23:52 | 1       |
| o-Terphenyl    | 121          |              | 70 - 135 | 06/15/23 16:14 | 06/15/23 23:52 | 1       |

Lab Sample ID: LCS 860-108039/2-A

Matrix: Water

Analysis Batch: 107999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108039

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 99.8        | 126.6      |               | mg/L |   | 127  | 70 - 135    |
| Diesel Range Organics (Over C10-C28) | 99.6        | 109.7      |               | mg/L |   | 110  | 70 - 135    |

| Surrogate      | LCS %Recovery | LCS Qualifier | Limits   |
|----------------|---------------|---------------|----------|
| 1-Chlorooctane | 102           |               | 70 - 135 |
| o-Terphenyl    | 115           |               | 70 - 135 |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: LCSD 860-108039/3-A

Matrix: Water

Analysis Batch: 107999

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108039

| Analyte                              |           |           | Spike    | LCSD   | LCSD      | Unit | D | %Rec   | %Rec     | RPD | RPD |
|--------------------------------------|-----------|-----------|----------|--------|-----------|------|---|--------|----------|-----|-----|
|                                      |           |           | Added    | Result | Qualifier |      |   | Limits | Limit    |     |     |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 99.8     | 126.2  |           | mg/L |   | 126    | 70 - 135 | 0   | 35  |
| Diesel Range Organics (Over C10-C28) |           |           | 99.6     | 109.3  |           | mg/L |   | 110    | 70 - 135 | 0   | 35  |
|                                      |           |           |          |        |           |      |   |        |          |     |     |
|                                      |           | LCSD      | LCSD     |        |           |      |   |        |          |     |     |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |      |   |        |          |     |     |
| 1-Chlorooctane                       | 102       |           | 70 - 135 |        |           |      |   |        |          |     |     |
| o-Terphenyl                          | 116       |           | 70 - 135 |        |           |      |   |        |          |     |     |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-107354/3

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB     |           | RL    | Unit       | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-------|------------|---|----------|----------------|---------|
|          | Result | Qualifier |       |            |   |          |                |         |
| Chloride | <0.250 | U         | 0.500 | 0.250 mg/L |   |          | 06/12/23 15:52 | 1       |
| Fluoride | <0.100 | U         | 0.500 | 0.100 mg/L |   |          | 06/12/23 15:52 | 1       |
| Sulfate  | <0.200 | U         | 0.500 | 0.200 mg/L |   |          | 06/12/23 15:52 | 1       |

Lab Sample ID: MB 860-107354/54

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB     |           | RL    | Unit       | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-------|------------|---|----------|----------------|---------|
|          | Result | Qualifier |       |            |   |          |                |         |
| Chloride | <0.250 | U         | 0.500 | 0.250 mg/L |   |          | 06/13/23 06:45 | 1       |
| Fluoride | <0.100 | U         | 0.500 | 0.100 mg/L |   |          | 06/13/23 06:45 | 1       |
| Sulfate  | <0.200 | U         | 0.500 | 0.200 mg/L |   |          | 06/13/23 06:45 | 1       |

Lab Sample ID: LCS 860-107354/4

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|------|---|------|----------------|
|          |                |               |                  |      |   |      |                |
| Chloride | 10.0           | 9.996         |                  | mg/L |   | 100  | 90 - 110       |
| Fluoride | 10.0           | 10.16         |                  | mg/L |   | 102  | 90 - 110       |
| Sulfate  | 10.0           | 10.39         |                  | mg/L |   | 104  | 90 - 110       |

Lab Sample ID: LCS 860-107354/55

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|------|---|------|----------------|
|          |                |               |                  |      |   |      |                |
| Chloride | 10.0           | 9.996         |                  | mg/L |   | 100  | 90 - 110       |
| Fluoride | 10.0           | 10.24         |                  | mg/L |   | 102  | 90 - 110       |
| Sulfate  | 10.0           | 9.885         |                  | mg/L |   | 99   | 90 - 110       |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-107354/5

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0        | 10.02       |                | mg/L |   | 100  | 90 - 110    | 0   | 20        |
| Fluoride | 10.0        | 10.22       |                | mg/L |   | 102  | 90 - 110    | 1   | 20        |
| Sulfate  | 10.0        | 10.38       |                | mg/L |   | 104  | 90 - 110    | 0   | 20        |

Lab Sample ID: LCSD 860-107354/56

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0        | 10.00       |                | mg/L |   | 100  | 90 - 110    | 0   | 20        |
| Fluoride | 10.0        | 10.27       |                | mg/L |   | 103  | 90 - 110    | 0   | 20        |
| Sulfate  | 10.0        | 9.907       |                | mg/L |   | 99   | 90 - 110    | 0   | 20        |

Lab Sample ID: LLCS 860-107354/7

Matrix: Water

Analysis Batch: 107354

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|----------|-------------|-------------|----------------|------|---|------|-------------|--|--|
| Chloride | 0.500       | 0.5956      |                | mg/L |   | 119  | 50 - 150    |  |  |
| Fluoride | 0.500       | 0.5582      |                | mg/L |   | 112  | 50 - 150    |  |  |
| Sulfate  | 0.500       | 0.5413      |                | mg/L |   | 108  | 50 - 150    |  |  |

Lab Sample ID: MB 860-107355/3

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Nitrate as N | <0.0391   | U            | 0.100 | 0.0391 mg/L |   |          | 06/12/23 15:52 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 06/12/23 15:52 | 1       |

Lab Sample ID: MB 860-107355/54

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Nitrate as N | <0.0391   | U            | 0.100 | 0.0391 mg/L |   |          | 06/13/23 06:45 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 06/13/23 06:45 | 1       |

Lab Sample ID: LCS 860-107355/4

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|--------------|-------------|------------|---------------|------|---|------|-------------|--|--|
| Nitrate as N | 10.0        | 10.06      |               | mg/L |   | 101  | 80 - 120    |  |  |
| Nitrite as N | 10.0        | 9.592      |               | mg/L |   | 96   | 80 - 120    |  |  |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 860-107355/55

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate as N | 10.0        | 10.03      |               | mg/L |   | 100  | 80 - 120    |
| Nitrite as N | 10.0        | 9.618      |               | mg/L |   | 96   | 80 - 120    |

Lab Sample ID: LCSD 860-107355/5

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 10.0        | 10.06       |                | mg/L |   | 101  | 80 - 120    | 0   | 20        |
| Nitrite as N | 10.0        | 9.655       |                | mg/L |   | 97   | 80 - 120    | 1   | 20        |

Lab Sample ID: LCSD 860-107355/56

Matrix: Water

Analysis Batch: 107355

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 10.0        | 10.03       |                | mg/L |   | 100  | 80 - 120    | 0   | 20        |
| Nitrite as N | 10.0        | 9.651       |                | mg/L |   | 97   | 80 - 120    | 0   | 20        |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-107794/3

Matrix: Water

Analysis Batch: 107794

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                         | MB Result | MB Qualifier | RL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|-----------|--------------|------|------|---|----------|----------------|---------|
| Alkalinity                      | <4.00     | U            | 4.00 | mg/L |   |          | 06/14/23 11:12 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00     | U            | 4.00 | mg/L |   |          | 06/14/23 11:12 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00     | U            | 4.00 | mg/L |   |          | 06/14/23 11:12 | 1       |

Lab Sample ID: LCS 860-107794/4

Matrix: Water

Analysis Batch: 107794

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------|-------------|------------|---------------|------|---|------|-------------|
| Alkalinity | 250         | 255.7      |               | mg/L |   | 102  | 85 - 115    |

Lab Sample ID: LCSD 860-107794/5

Matrix: Water

Analysis Batch: 107794

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte    | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Alkalinity | 250         | 256.5       |                | mg/L |   | 103  | 85 - 115    | 0   | 20        |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## Method: SM 4500 H+ B - pH

Lab Sample ID: 880-29354-2 DU

Matrix: Water

Analysis Batch: 107594

Client Sample ID: MW-2

Prep Type: Total/NA

| Analyte     | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit      | D | RPD | RPD Limit |
|-------------|---------------|------------------|-----------|--------------|-----------|---|-----|-----------|
| pH          | 6.4           | HF               | 6.4       |              | SU        |   | 0.2 | 20        |
| Temperature | 18.6          | HF               | 18.4      |              | Degrees C |   | 1   | 20        |

## Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-107503/1

Matrix: Water

Analysis Batch: 107503

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|---------|-----------|--------------|------|------------|---|----------|----------------|---------|
| Sulfide | <0.495    | U            | 5.00 | 0.495 mg/L |   |          | 06/13/23 10:11 | 1       |

Lab Sample ID: LCS 860-107503/2

Matrix: Water

Analysis Batch: 107503

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfide | 50.0        | 43.00      |               | mg/L |   | 86   | 80 - 120    |

Lab Sample ID: LCSD 860-107503/3

Matrix: Water

Analysis Batch: 107503

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfide | 50.0        | 43.00       |                | mg/L |   | 86   | 80 - 120    | 0   | 20        |

Lab Sample ID: 880-29354-2 MS

Matrix: Water

Analysis Batch: 107503

Client Sample ID: MW-2

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfide | <0.495        | U                | 50.0        | 40.20     |              | mg/L |   | 80   | 80 - 120    |

Lab Sample ID: 880-29354-2 MSD

Matrix: Water

Analysis Batch: 107503

Client Sample ID: MW-2

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfide | <0.495        | U                | 50.0        | 40.20      |               | mg/L |   | 80   | 80 - 120    | 0   | 20        |

Eurofins Midland



## QC Association Summary

Client: Ensolum

Job ID: 880-29354-1

Project/Site: South Hobbs - 03B1417002

## GC/MS VOA

## Analysis Batch: 107490

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-29354-1         | MW-1                   | Total/NA  | Water  | 8260C  |            |
| 880-29354-2         | MW-2                   | Total/NA  | Water  | 8260C  |            |
| MB 860-107490/16    | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-107490/1010 | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-107490/11  | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## GC Semi VOA

## Analysis Batch: 101425

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-29354-1   | MW-1             | Total/NA  | Water  | 8015 NM |            |
| 880-29354-2   | MW-2             | Total/NA  | Water  | 8015 NM |            |

## Analysis Batch: 107999

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-29354-1         | MW-1                   | Total/NA  | Water  | 8015B NM | 108039     |
| MB 860-108039/1-A   | Method Blank           | Total/NA  | Water  | 8015B NM | 108039     |
| LCS 860-108039/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 108039     |
| LCSD 860-108039/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 108039     |

## Prep Batch: 108039

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|---------------------|------------------------|-----------|--------|----------------|------------|
| 880-29354-1         | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-29354-2         | MW-2                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 860-108039/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 860-108039/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 860-108039/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |

## Analysis Batch: 108459

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-29354-2   | MW-2             | Total/NA  | Water  | 8015B NM | 108039     |

## HPLC/IC

## Analysis Batch: 107354

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-29354-1        | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-29354-2        | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-107354/3    | Method Blank           | Total/NA  | Water  | 300.0  |            |
| MB 860-107354/54   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-107354/4   | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCS 860-107354/55  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-107354/5  | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LCSD 860-107354/56 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-107354/7  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 107355

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 880-29354-1      | MW-1             | Total/NA  | Water  | 300.0  |            |
| 880-29354-2      | MW-2             | Total/NA  | Water  | 300.0  |            |
| MB 860-107355/3  | Method Blank     | Total/NA  | Water  | 300.0  |            |
| MB 860-107355/54 | Method Blank     | Total/NA  | Water  | 300.0  |            |

Eurofins Midland

QC Association Summary

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

HPLC/IC (Continued)

Analysis Batch: 107355 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| LCS 860-107355/4   | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCS 860-107355/55  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-107355/5  | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LCSD 860-107355/56 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

General Chemistry

Analysis Batch: 107463

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method        | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 880-29354-1   | MW-1             | Total/NA  | Water  | SM 4500 CO2 D |            |
| 880-29354-2   | MW-2             | Total/NA  | Water  | SM 4500 CO2 D |            |

Analysis Batch: 107503

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|-------------------|------------------------|-----------|--------|--------------|------------|
| 880-29354-1       | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-29354-2       | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| MB 860-107503/1   | Method Blank           | Total/NA  | Water  | SM 4500 S2 F |            |
| LCS 860-107503/2  | Lab Control Sample     | Total/NA  | Water  | SM 4500 S2 F |            |
| LCSD 860-107503/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-29354-2 MS    | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-29354-2 MSD   | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |

Analysis Batch: 107594

| Lab Sample ID  | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|----------------|------------------|-----------|--------|--------------|------------|
| 880-29354-1    | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-29354-2    | MW-2             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-29354-2 DU | MW-2             | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 107794

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-29354-1       | MW-1                   | Total/NA  | Water  | SM 2320B |            |
| 880-29354-2       | MW-2                   | Total/NA  | Water  | SM 2320B |            |
| MB 860-107794/3   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-107794/4  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-107794/5 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Lab Chronicle

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

Client Sample ID: MW-1

Date Collected: 06/09/23 10:25

Date Received: 06/09/23 15:49

Lab Sample ID: 880-29354-1

Matrix: Water

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 107490       | NA      | EET HOU | 06/13/23 15:23       |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 101425       | CZT     | EET HOU | 06/19/23 18:11       |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 108039       | MCA     | EET HOU | 06/15/23 16:14       |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 107999       | T1S     | EET HOU | 06/16/23 00:32       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 107354       | WP      | EET HOU | 06/13/23 10:59       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 107355       | WP      | EET HOU | 06/13/23 10:59       |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 107794       | TL      | EET HOU | 06/14/23 15:08       |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 107463       | SC      | EET HOU | 06/13/23 08:47       |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 107594       | TL      | EET HOU | 06/13/23 15:36       |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 107503       | SCI     | EET HOU | 06/13/23 10:11       |

Client Sample ID: MW-2

Date Collected: 06/09/23 11:30

Date Received: 06/09/23 15:49

Lab Sample ID: 880-29354-2

Matrix: Water

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 107490       | NA      | EET HOU | 06/13/23 15:42       |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 101425       | CZT     | EET HOU | 06/19/23 18:11       |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 108039       | MCA     | EET HOU | 06/15/23 16:14       |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 108459       | MCA     | EET HOU | 06/19/23 16:03       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 107354       | WP      | EET HOU | 06/13/23 11:14       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 107355       | WP      | EET HOU | 06/13/23 11:14       |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 107794       | TL      | EET HOU | 06/14/23 15:25       |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 107463       | SC      | EET HOU | 06/13/23 08:47       |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 107594       | TL      | EET HOU | 06/13/23 15:38       |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 107503       | SCI     | EET HOU | 06/13/23 10:11       |

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-23-50      | 06-30-23        |

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

| Analysis Method | Prep Method    | Matrix | Analyte                              |
|-----------------|----------------|--------|--------------------------------------|
| 8015 NM         |                | Water  | Total TPH                            |
| 8015B NM        | 8015NM Aq Prep | Water  | Diesel Range Organics (Over C10-C28) |
| 8015B NM        | 8015NM Aq Prep | Water  | Gasoline Range Organics (GRO)-C6-C10 |
| 8015B NM        | 8015NM Aq Prep | Water  | Oil Range Organics (Over C28-C36)    |
| SM 2320B        |                | Water  | Bicarbonate Alkalinity as CaCO3      |
| SM 2320B        |                | Water  | Carbonate Alkalinity as CaCO3        |
| SM 4500 CO2 D   |                | Water  | Carbon dioxide                       |
| SM 4500 CO2 D   |                | Water  | Carbon Dioxide, Free                 |
| SM 4500 H+ B    |                | Water  | Temperature                          |

Method Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

| Method         | Method Description                                    | Protocol | Laboratory |
|----------------|-------------------------------------------------------|----------|------------|
| 8260C          | Volatile Organic Compounds by GC/MS                   | SW846    | EET HOU    |
| 8015 NM        | Diesel Range Organics (DRO) (GC)                      | SW846    | EET HOU    |
| 8015B NM       | Diesel Range Organics (DRO) (GC)                      | SW846    | EET HOU    |
| 300.0          | Anions, Ion Chromatography                            | EPA      | EET HOU    |
| SM 2320B       | Alkalinity                                            | SM       | EET HOU    |
| SM 4500 CO2 D  | Carbon Dioxide and Forms of Alkalinity by Calculation | SM       | EET HOU    |
| SM 4500 H+ B   | pH                                                    | SM       | EET HOU    |
| SM 4500 S2 F   | Sulfide, Total                                        | SM       | EET HOU    |
| 5030C          | Purge and Trap                                        | SW846    | EET HOU    |
| 8015NM Aq Prep | Microextraction                                       | SW846    | EET HOU    |

**Protocol References:**  
EPA = US Environmental Protection Agency  
SM = "Standard Methods For The Examination Of Water And Wastewater"  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

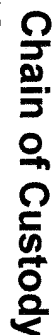
Sample Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29354-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-29354-1   | MW-1             | Water  | 06/09/23 10:25 | 06/09/23 15:49 |
| 880-29354-2   | MW-2             | Water  | 06/09/23 11:30 | 06/09/23 15:49 |

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



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334  
Midland TX (432-704-5440) EL Paso, TX (915)565-3443 Lubbock, TX (806)794-1296  
Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813)

**Work Order No:**

29354

www.xenco.com Page 1 of 1

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADAPT ☐ Other ☐

### Number of Containers

**Dissolved Carbon Dioxide 4500 CO2 c**

**Dissovled Sulfide SW-846 #376.2**

**VOC SW-846 #8260**

TPH EPA Method #8015Chloride EPA Method #846 300

**pH EPA SW-846 Method 150.1**

ANALYSIS REQUEST

### Work Order Notes

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

### Sample Comments

24 Hr

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth |
|-----------------------|--------|--------------|--------------|-------|
| MW-1                  | GW     | 6-9-23       | 1025         | —     |
| MW-2                  | GW     | 6-9-23       | 1130         | —     |

[illegible]

880-29354 Chain of Custody

[illegible]

Xanco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xanco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xanco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature)                                                       | Received by: (Signature)                                                         | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------|------------------------------|--------------------------|-----------|
| 1   |  | 10/9/73   | 2                            |                          |           |
| 3  |                                                                                  | 1549      | 4                            |                          |           |
| 5                                                                                  |                                                                                  |           | 6                            |                          |           |



**Eurofins Midland**  
1211 W Florida Ave  
Midland TX 79701  
Phone: 432-704-5440

## Chain of Custody Record



Environmental 125 12

[illegible]

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29354-1

Login Number: 29354

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29354-1

Login Number: 29354

List Number: 2

Creator: Pena, Jesiel

List Source: Eurofins Houston

List Creation: 06/10/23 02:58 PM

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



Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Beaux Jennings  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 6/26/2023 5:19:16 PM

## JOB DESCRIPTION

South Hobbs - 03B1417002  
South Hobbs

## JOB NUMBER

880-29607-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
6/26/2023 5:19:16 PM

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

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Laboratory Job ID: 880-29607-1

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| Surrogate Summary . . . . .      | 11 |
| QC Sample Results . . . . .      | 12 |
| QC Association Summary . . . . . | 22 |
| Lab Chronicle . . . . .          | 24 |
| Certification Summary . . . . .  | 25 |
| Method Summary . . . . .         | 26 |
| Sample Summary . . . . .         | 27 |
| Chain of Custody . . . . .       | 28 |
| Receipt Checklists . . . . .     | 29 |

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

Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

General Chemistry

| Qualifier | Qualifier Description                                                                                |
|-----------|------------------------------------------------------------------------------------------------------|
| HF        | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| U         | Indicates the analyte was analyzed for but not detected.                                             |

Glossary

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



## Case Narrative

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

**Job ID: 880-29607-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-29607-1****Receipt**

The samples were received on 6/15/2023 3:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.6°C

**GC/MS VOA**

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 860-108371 were outside control limits: (880-29607-C-1 MS). The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

**GC Semi VOA**

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

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-108212 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recovery was within acceptance limits.

Method 300\_ORGFM\_28D: The instrument blank/CCB for analytical batch 860-108212 contained Fluoride greater than the method detection limit (MDL), and were not reanalyzed because this target analyte concentration was less than the reporting limit (RL). The data have been qualified and reported.

Method 300\_ORGFM\_28D: The instrument blank/CCB for analytical batch 860-108212 contained Chloride greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been qualified and reported.

Method 300\_ORGFMS: The instrument blank/CCB for analytical batch 860-108213 contained Nitrite as N greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been qualified and reported.

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

**General Chemistry**

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

## Client Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-29607-1

Date Collected: 06/15/23 11:10

Matrix: Water

Date Received: 06/15/23 15:22

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U         | 0.00100 | 0.000460 mg/L |   |          | 06/18/23 19:43 | 1       |
| Bromobenzene                  | <0.000665 | U         | 0.00100 | 0.000665 mg/L |   |          | 06/18/23 19:43 | 1       |
| Bromochloromethane            | <0.000657 | U         | 0.00100 | 0.000657 mg/L |   |          | 06/18/23 19:43 | 1       |
| Bromodichloromethane          | <0.000552 | U         | 0.00100 | 0.000552 mg/L |   |          | 06/18/23 19:43 | 1       |
| Bromoform                     | <0.000633 | U         | 0.00500 | 0.000633 mg/L |   |          | 06/18/23 19:43 | 1       |
| Bromomethane                  | <0.00142  | U         | 0.00500 | 0.00142 mg/L  |   |          | 06/18/23 19:43 | 1       |
| 2-Butanone                    | <0.00828  | U         | 0.0500  | 0.00828 mg/L  |   |          | 06/18/23 19:43 | 1       |
| Carbon tetrachloride          | <0.000896 | U         | 0.00500 | 0.000896 mg/L |   |          | 06/18/23 19:43 | 1       |
| Chlorobenzene                 | <0.000530 | U         | 0.00100 | 0.000530 mg/L |   |          | 06/18/23 19:43 | 1       |
| Chloroethane                  | <0.00198  | U         | 0.0100  | 0.00198 mg/L  |   |          | 06/18/23 19:43 | 1       |
| Chloroform                    | <0.000643 | U         | 0.00100 | 0.000643 mg/L |   |          | 06/18/23 19:43 | 1       |
| Chloromethane                 | <0.00204  | U         | 0.0100  | 0.00204 mg/L  |   |          | 06/18/23 19:43 | 1       |
| 2-Chlorotoluene               | <0.00118  | U         | 0.00200 | 0.00118 mg/L  |   |          | 06/18/23 19:43 | 1       |
| 4-Chlorotoluene               | <0.000472 | U         | 0.00100 | 0.000472 mg/L |   |          | 06/18/23 19:43 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U         | 0.00100 | 0.000714 mg/L |   |          | 06/18/23 19:43 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U         | 0.00500 | 0.00107 mg/L  |   |          | 06/18/23 19:43 | 1       |
| Dibromochloromethane          | <0.000547 | U         | 0.00500 | 0.000547 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U F1      | 0.00500 | 0.00127 mg/L  |   |          | 06/18/23 19:43 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U         | 0.00500 | 0.000999 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U F1      | 0.00100 | 0.000509 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 19:43 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U         | 0.00100 | 0.000635 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U         | 0.00100 | 0.000590 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U         | 0.00100 | 0.000738 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U         | 0.00500 | 0.000667 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U         | 0.00500 | 0.000514 mg/L |   |          | 06/18/23 19:43 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U         | 0.00500 | 0.000780 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U         | 0.00500 | 0.00160 mg/L  |   |          | 06/18/23 19:43 | 1       |
| Ethylbenzene                  | <0.000411 | U         | 0.00100 | 0.000411 mg/L |   |          | 06/18/23 19:43 | 1       |
| Hexachlorobutadiene           | <0.00126  | U         | 0.00500 | 0.00126 mg/L  |   |          | 06/18/23 19:43 | 1       |
| Isopropylbenzene              | <0.000613 | U         | 0.00100 | 0.000613 mg/L |   |          | 06/18/23 19:43 | 1       |
| Methylene Chloride            | <0.00173  | U         | 0.00500 | 0.00173 mg/L  |   |          | 06/18/23 19:43 | 1       |
| m,p-Xylenes                   | <0.00124  | U         | 0.0100  | 0.00124 mg/L  |   |          | 06/18/23 19:43 | 1       |
| MTBE                          | <0.00139  | U         | 0.00500 | 0.00139 mg/L  |   |          | 06/18/23 19:43 | 1       |
| Naphthalene                   | <0.00135  | U         | 0.0100  | 0.00135 mg/L  |   |          | 06/18/23 19:43 | 1       |
| n-Butylbenzene                | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 19:43 | 1       |
| N-Propylbenzene               | <0.000498 | U         | 0.00100 | 0.000498 mg/L |   |          | 06/18/23 19:43 | 1       |
| o-Xylene                      | <0.000551 | U         | 0.00100 | 0.000551 mg/L |   |          | 06/18/23 19:43 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 19:43 | 1       |
| sec-Butylbenzene              | <0.000468 | U         | 0.00100 | 0.000468 mg/L |   |          | 06/18/23 19:43 | 1       |
| Styrene                       | <0.000655 | U         | 0.00100 | 0.000655 mg/L |   |          | 06/18/23 19:43 | 1       |
| tert-Butylbenzene             | <0.000442 | U         | 0.00100 | 0.000442 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U         | 0.00100 | 0.000470 mg/L |   |          | 06/18/23 19:43 | 1       |
| Tetrachloroethene             | <0.000801 | U         | 0.00100 | 0.000801 mg/L |   |          | 06/18/23 19:43 | 1       |
| Toluene                       | <0.000475 | U         | 0.00100 | 0.000475 mg/L |   |          | 06/18/23 19:43 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 | U         | 0.00100 | 0.000945 mg/L |   |          | 06/18/23 19:43 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-29607-1

Date Collected: 06/15/23 11:10

Matrix: Water

Date Received: 06/15/23 15:22

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/18/23 19:43 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U         | 0.00500 | 0.00217 mg/L  |   |          | 06/18/23 19:43 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U         | 0.00500 | 0.00175 mg/L  |   |          | 06/18/23 19:43 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U         | 0.00500 | 0.00169 mg/L  |   |          | 06/18/23 19:43 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U         | 0.00100 | 0.000511 mg/L |   |          | 06/18/23 19:43 | 1       |
| Trichloroethene           | <0.000791 | U         | 0.00500 | 0.000791 mg/L |   |          | 06/18/23 19:43 | 1       |
| Trichlorofluoromethane    | <0.000638 | U         | 0.00100 | 0.000638 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U         | 0.00100 | 0.000490 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U         | 0.00100 | 0.000417 mg/L |   |          | 06/18/23 19:43 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U         | 0.00100 | 0.000456 mg/L |   |          | 06/18/23 19:43 | 1       |
| Vinyl chloride            | <0.000638 | U         | 0.00200 | 0.000638 mg/L |   |          | 06/18/23 19:43 | 1       |
| Xylenes, Total            | <0.00124  | U         | 0.0100  | 0.00124 mg/L  |   |          | 06/18/23 19:43 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 103       |           | 74 - 124 |          | 06/18/23 19:43 | 1       |
| Dibromofluoromethane (Surr)  | 98        |           | 75 - 131 |          | 06/18/23 19:43 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 63 - 144 |          | 06/18/23 19:43 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 06/18/23 19:43 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | <0.935 | U         | 4.73 | 0.935 mg/L |   |          | 06/19/23 18:11 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.935    | U         | 4.73     | 0.935 mg/L |   | 06/22/23 16:24 | 06/23/23 16:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.935    | U         | 4.73     | 0.935 mg/L |   | 06/22/23 16:24 | 06/23/23 16:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.902    | U         | 4.73     | 0.902 mg/L |   | 06/22/23 16:24 | 06/23/23 16:21 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 109       |           | 70 - 135 |            |   | 06/22/23 16:24 | 06/23/23 16:21 | 1       |
| o-Terphenyl                          | 114       |           | 70 - 135 |            |   | 06/22/23 16:24 | 06/23/23 16:21 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 97.7   |           | 0.500 | 0.250 mg/L  |   |          | 06/16/23 18:53 | 1       |
| Nitrate as N | 0.0846 | J         | 0.100 | 0.0391 mg/L |   |          | 06/16/23 18:53 | 1       |
| Fluoride     | 0.451  | J         | 0.500 | 0.100 mg/L  |   |          | 06/16/23 18:53 | 1       |
| Nitrite as N | 0.491  |           | 0.100 | 0.0293 mg/L |   |          | 06/16/23 18:53 | 1       |
| Sulfate      | 43.0   |           | 0.500 | 0.200 mg/L  |   |          | 06/16/23 18:53 | 1       |

## General Chemistry

| Analyte                                    | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Alkalinity (SM 2320B)                      | 667    |           | 4.00 | 4.00 mg/L |   |          | 06/19/23 15:25 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 667    |           | 4.00 | 4.00 mg/L |   |          | 06/19/23 15:25 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 06/19/23 15:25 | 1       |
| Carbon dioxide (SM 4500 CO2 D)             | 754    |           |      | mg/L      |   |          | 06/21/23 11:57 | 1       |

Eurofins Midland

Client Sample Results

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

Client Sample ID: MW-1

Date Collected: 06/15/23 11:10

Date Received: 06/15/23 15:22

Lab Sample ID: 880-29607-1

Matrix: Water

| General Chemistry (Continued)        |        |           |      |            |   |          |                |     |     |
|--------------------------------------|--------|-----------|------|------------|---|----------|----------------|-----|-----|
| Analyte                              | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil | Fac |
| Carbon Dioxide, Free (SM 4500 CO2 D) | 168    |           |      | mg/L       |   |          | 06/21/23 11:57 | 1   |     |
| pH (SM 4500 H+ B)                    | 6.9    | HF        |      | SU         |   |          | 06/19/23 15:55 | 1   |     |
| Temperature (SM 4500 H+ B)           | 20.2   | HF        |      | Degrees C  |   |          | 06/19/23 15:55 | 1   |     |
| Sulfide (SM 4500 S2 F)               | <0.495 | U         | 5.00 | 0.495 mg/L |   |          | 06/19/23 14:24 | 1   |     |

Client Sample ID: MW-2

Date Collected: 06/15/23 12:05

Date Received: 06/15/23 15:22

Lab Sample ID: 880-29607-2

Matrix: Water

| Method: SW846 8260C - Volatile Organic Compounds by GC/MS |           |           |         |               |   |          |                |     |     |
|-----------------------------------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|-----|-----|
| Analyte                                                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil | Fac |
| Benzene                                                   | 0.0123    |           | 0.00100 | 0.000460 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Bromobenzene                                              | <0.000665 | U         | 0.00100 | 0.000665 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Bromochloromethane                                        | <0.000657 | U         | 0.00100 | 0.000657 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Bromodichloromethane                                      | <0.000552 | U         | 0.00100 | 0.000552 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Bromoform                                                 | <0.000633 | U         | 0.00500 | 0.000633 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Bromomethane                                              | <0.00142  | U         | 0.00500 | 0.00142 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| 2-Butanone                                                | <0.00828  | U         | 0.0500  | 0.00828 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| Carbon tetrachloride                                      | <0.000896 | U         | 0.00500 | 0.000896 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Chlorobenzene                                             | <0.000530 | U         | 0.00100 | 0.000530 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Chloroethane                                              | <0.00198  | U         | 0.0100  | 0.00198 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| Chloroform                                                | <0.000643 | U         | 0.00100 | 0.000643 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Chloromethane                                             | <0.00204  | U         | 0.0100  | 0.00204 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| 2-Chlorotoluene                                           | <0.00118  | U         | 0.00200 | 0.00118 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| 4-Chlorotoluene                                           | <0.000472 | U         | 0.00100 | 0.000472 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| cis-1,2-Dichloroethene                                    | <0.000714 | U         | 0.00100 | 0.000714 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| cis-1,3-Dichloropropene                                   | <0.00107  | U         | 0.00500 | 0.00107 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| Dibromochloromethane                                      | <0.000547 | U         | 0.00500 | 0.000547 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,2-Dibromo-3-Chloropropane                               | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| 1,2-Dibromoethane                                         | <0.000999 | U         | 0.00500 | 0.000999 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,2-Dichlorobenzene                                       | <0.000509 | U         | 0.00100 | 0.000509 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,3-Dichlorobenzene                                       | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,4-Dichlorobenzene                                       | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Dichlorodifluoromethane                                   | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,1-Dichloroethane                                        | <0.000635 | U         | 0.00100 | 0.000635 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,2-Dichloroethane                                        | <0.000590 | U         | 0.00100 | 0.000590 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,1-Dichloroethene                                        | <0.000738 | U         | 0.00100 | 0.000738 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,2-Dichloropropane                                       | <0.000667 | U         | 0.00500 | 0.000667 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,3-Dichloropropane                                       | <0.000514 | U         | 0.00500 | 0.000514 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 2,2-Dichloropropane                                       | <0.000780 | U         | 0.00500 | 0.000780 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| 1,1-Dichloropropene                                       | <0.00160  | U         | 0.00500 | 0.00160 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| Ethylbenzene                                              | 0.0144    |           | 0.00100 | 0.000411 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Hexachlorobutadiene                                       | <0.00126  | U         | 0.00500 | 0.00126 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| Isopropylbenzene                                          | 0.00809   |           | 0.00100 | 0.000613 mg/L |   |          | 06/18/23 20:03 | 1   |     |
| Methylene Chloride                                        | <0.00173  | U         | 0.00500 | 0.00173 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| m,p-Xylenes                                               | 0.0404    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| MTBE                                                      | <0.00139  | U         | 0.00500 | 0.00139 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| Naphthalene                                               | <0.00135  | U         | 0.0100  | 0.00135 mg/L  |   |          | 06/18/23 20:03 | 1   |     |
| n-Butylbenzene                                            | 0.000779  | J         | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 20:03 | 1   |     |

Eurofins Midland

## Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

Client Sample ID: MW-2

Lab Sample ID: 880-29607-2

Date Collected: 06/15/23 12:05

Matrix: Water

Date Received: 06/15/23 15:22

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| N-Propylbenzene               | 0.00229   |           | 0.00100 | 0.000498 mg/L |   |          | 06/18/23 20:03 | 1       |
| o-Xylene                      | 0.00962   |           | 0.00100 | 0.000551 mg/L |   |          | 06/18/23 20:03 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 20:03 | 1       |
| sec-Butylbenzene              | <0.000468 | U         | 0.00100 | 0.000468 mg/L |   |          | 06/18/23 20:03 | 1       |
| Styrene                       | <0.000655 | U         | 0.00100 | 0.000655 mg/L |   |          | 06/18/23 20:03 | 1       |
| tert-Butylbenzene             | <0.000442 | U         | 0.00100 | 0.000442 mg/L |   |          | 06/18/23 20:03 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 20:03 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U         | 0.00100 | 0.000470 mg/L |   |          | 06/18/23 20:03 | 1       |
| Tetrachloroethene             | <0.000801 | U         | 0.00100 | 0.000801 mg/L |   |          | 06/18/23 20:03 | 1       |
| Toluene                       | 0.00201   |           | 0.00100 | 0.000475 mg/L |   |          | 06/18/23 20:03 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 | U         | 0.00100 | 0.000945 mg/L |   |          | 06/18/23 20:03 | 1       |
| trans-1,3-Dichloropropene     | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/18/23 20:03 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00217  | U         | 0.00500 | 0.00217 mg/L  |   |          | 06/18/23 20:03 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00175  | U         | 0.00500 | 0.00175 mg/L  |   |          | 06/18/23 20:03 | 1       |
| 1,1,1-Trichloroethane         | <0.00169  | U         | 0.00500 | 0.00169 mg/L  |   |          | 06/18/23 20:03 | 1       |
| 1,1,2-Trichloroethane         | <0.000511 | U         | 0.00100 | 0.000511 mg/L |   |          | 06/18/23 20:03 | 1       |
| Trichloroethene               | <0.000791 | U         | 0.00500 | 0.000791 mg/L |   |          | 06/18/23 20:03 | 1       |
| Trichlorofluoromethane        | <0.000638 | U         | 0.00100 | 0.000638 mg/L |   |          | 06/18/23 20:03 | 1       |
| 1,2,3-Trichloropropane        | <0.000490 | U         | 0.00100 | 0.000490 mg/L |   |          | 06/18/23 20:03 | 1       |
| 1,2,4-Trimethylbenzene        | 0.0248    |           | 0.00100 | 0.000417 mg/L |   |          | 06/18/23 20:03 | 1       |
| 1,3,5-Trimethylbenzene        | 0.00690   |           | 0.00100 | 0.000456 mg/L |   |          | 06/18/23 20:03 | 1       |
| Vinyl chloride                | <0.000638 | U         | 0.00200 | 0.000638 mg/L |   |          | 06/18/23 20:03 | 1       |
| Xylenes, Total                | 0.0500    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/18/23 20:03 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 106       |           | 74 - 124 |          | 06/18/23 20:03 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 75 - 131 |          | 06/18/23 20:03 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 63 - 144 |          | 06/18/23 20:03 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 06/18/23 20:03 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | 1.50   | J         | 4.57 | 0.904 mg/L |   |          | 06/19/23 18:11 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.50   | J         | 4.57 | 0.904 mg/L |   | 06/22/23 16:24 | 06/23/23 16:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.904 | U         | 4.57 | 0.904 mg/L |   | 06/22/23 16:24 | 06/23/23 16:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.872 | U         | 4.57 | 0.872 mg/L |   | 06/22/23 16:24 | 06/23/23 16:42 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 106       |           | 70 - 135 | 06/22/23 16:24 | 06/23/23 16:42 | 1       |
| o-Terphenyl    | 111       |           | 70 - 135 | 06/22/23 16:24 | 06/23/23 16:42 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 78.0   |           | 0.500 | 0.250 mg/L  |   |          | 06/17/23 00:57 | 1       |
| Nitrate as N | 0.197  |           | 0.100 | 0.0391 mg/L |   |          | 06/17/23 00:57 | 1       |
| Fluoride     | 0.172  | J         | 0.500 | 0.100 mg/L  |   |          | 06/17/23 00:57 | 1       |

Eurofins Midland

Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

Client Sample ID: MW-2  
Date Collected: 06/15/23 12:05  
Date Received: 06/15/23 15:22

Lab Sample ID: 880-29607-2  
Matrix: Water

| Method: EPA 300.0 - Anions, Ion Chromatography (Continued) |        |           |       |        |           |   |          |                |         |
|------------------------------------------------------------|--------|-----------|-------|--------|-----------|---|----------|----------------|---------|
| Analyte                                                    | Result | Qualifier | RL    |        | Unit      | D | Prepared | Analyzed       | Dil Fac |
| Nitrite as N                                               | 1.01   |           | 0.100 | 0.0293 | mg/L      |   |          | 06/17/23 00:57 | 1       |
| Sulfate                                                    | 89.6   |           | 0.500 | 0.200  | mg/L      |   |          | 06/17/23 00:57 | 1       |
| General Chemistry                                          |        |           |       |        |           |   |          |                |         |
| Analyte                                                    | Result | Qualifier | RL    |        | Unit      | D | Prepared | Analyzed       | Dil Fac |
| Alkalinity (SM 2320B)                                      | 1310   |           | 4.00  | 4.00   | mg/L      |   |          | 06/19/23 15:42 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B)                 | 1310   |           | 4.00  | 4.00   | mg/L      |   |          | 06/19/23 15:42 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)                   | <4.00  | U         | 4.00  | 4.00   | mg/L      |   |          | 06/19/23 15:42 | 1       |
| Carbon dioxide (SM 4500 CO2 D)                             | 2200   |           |       |        | mg/L      |   |          | 06/21/23 11:57 | 1       |
| Carbon Dioxide, Free (SM 4500 CO2 D)                       | 1050   |           |       |        | mg/L      |   |          | 06/21/23 11:57 | 1       |
| pH (SM 4500 H+ B)                                          | 6.4    | HF        |       |        | SU        |   |          | 06/19/23 15:58 | 1       |
| Temperature (SM 4500 H+ B)                                 | 20.4   | HF        |       |        | Degrees C |   |          | 06/19/23 15:58 | 1       |
| Sulfide (SM 4500 S2 F)                                     | <0.495 | U         | 5.00  | 0.495  | mg/L      |   |          | 06/19/23 14:24 | 1       |

Surrogate Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

Method: 8260C - Volatile Organic Compounds by GC/MS  
Matrix: Water

Prep Type: Total/NA

|                                    |                        | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |                 |
|------------------------------------|------------------------|------------------------------------------------|------------------|-----------------|-----------------|
| Lab Sample ID                      | Client Sample ID       | BFB<br>(74-124)                                | DBFM<br>(75-131) | DCA<br>(63-144) | TOL<br>(80-120) |
| 880-29607-1                        | MW-1                   | 103                                            | 98               | 100             | 102             |
| 880-29607-1 MS                     | MW-1                   | 100                                            | 98               | 99              | 99              |
| 880-29607-2                        | MW-2                   | 106                                            | 99               | 98              | 102             |
| LCS 860-108371/1011                | Lab Control Sample     | 100                                            | 101              | 98              | 99              |
| LCSD 860-108371/12                 | Lab Control Sample Dup | 101                                            | 100              | 99              | 99              |
| MB 860-108371/17                   | Method Blank           | 102                                            | 97               | 99              | 104             |
| Surrogate Legend                   |                        |                                                |                  |                 |                 |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |                                                |                  |                 |                 |
| DBFM = Dibromofluoromethane (Surr) |                        |                                                |                  |                 |                 |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |                                                |                  |                 |                 |
| TOL = Toluene-d8 (Surr)            |                        |                                                |                  |                 |                 |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Water

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-135)                               | OTPH1<br>(70-135) |
| 880-29607-1          | MW-1                   | 109                                            | 114               |
| 880-29607-2          | MW-2                   | 106                                            | 111               |
| LCS 860-109176/2-A   | Lab Control Sample     | 98                                             | 108               |
| LCSD 860-109176/3-A  | Lab Control Sample Dup | 98                                             | 101               |
| MB 860-109176/1-A    | Method Blank           | 94                                             | 114               |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |



## QC Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-108371/17

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U            | 0.00100 | 0.000460 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromobenzene                  | <0.000665 | U            | 0.00100 | 0.000665 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromochloromethane            | <0.000657 | U            | 0.00100 | 0.000657 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromodichloromethane          | <0.000552 | U            | 0.00100 | 0.000552 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromoform                     | <0.000633 | U            | 0.00500 | 0.000633 mg/L |   |          | 06/18/23 19:01 | 1       |
| Bromomethane                  | <0.00142  | U            | 0.00500 | 0.00142 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 2-Butanone                    | <0.00828  | U            | 0.0500  | 0.00828 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Carbon tetrachloride          | <0.000896 | U            | 0.00500 | 0.000896 mg/L |   |          | 06/18/23 19:01 | 1       |
| Chlorobenzene                 | <0.000530 | U            | 0.00100 | 0.000530 mg/L |   |          | 06/18/23 19:01 | 1       |
| Chloroethane                  | <0.00198  | U            | 0.0100  | 0.00198 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Chloroform                    | <0.000643 | U            | 0.00100 | 0.000643 mg/L |   |          | 06/18/23 19:01 | 1       |
| Chloromethane                 | <0.00204  | U            | 0.0100  | 0.00204 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 2-Chlorotoluene               | <0.00118  | U            | 0.00200 | 0.00118 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 4-Chlorotoluene               | <0.000472 | U            | 0.00100 | 0.000472 mg/L |   |          | 06/18/23 19:01 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U            | 0.00100 | 0.000714 mg/L |   |          | 06/18/23 19:01 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U            | 0.00500 | 0.00107 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Dibromochloromethane          | <0.000547 | U            | 0.00500 | 0.000547 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U            | 0.00500 | 0.000999 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U            | 0.00100 | 0.000509 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/18/23 19:01 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U            | 0.00100 | 0.000635 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U            | 0.00100 | 0.000590 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U            | 0.00100 | 0.000738 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U            | 0.00500 | 0.000667 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U            | 0.00500 | 0.000514 mg/L |   |          | 06/18/23 19:01 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U            | 0.00500 | 0.000780 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U            | 0.00500 | 0.00160 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Ethylbenzene                  | <0.000411 | U            | 0.00100 | 0.000411 mg/L |   |          | 06/18/23 19:01 | 1       |
| Hexachlorobutadiene           | <0.00126  | U            | 0.00500 | 0.00126 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Isopropylbenzene              | <0.000613 | U            | 0.00100 | 0.000613 mg/L |   |          | 06/18/23 19:01 | 1       |
| Methylene Chloride            | <0.00173  | U            | 0.00500 | 0.00173 mg/L  |   |          | 06/18/23 19:01 | 1       |
| m,p-Xylenes                   | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/18/23 19:01 | 1       |
| MTBE                          | <0.00139  | U            | 0.00500 | 0.00139 mg/L  |   |          | 06/18/23 19:01 | 1       |
| Naphthalene                   | <0.00135  | U            | 0.0100  | 0.00135 mg/L  |   |          | 06/18/23 19:01 | 1       |
| n-Butylbenzene                | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 19:01 | 1       |
| N-Propylbenzene               | <0.000498 | U            | 0.00100 | 0.000498 mg/L |   |          | 06/18/23 19:01 | 1       |
| o-Xylene                      | <0.000551 | U            | 0.00100 | 0.000551 mg/L |   |          | 06/18/23 19:01 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/18/23 19:01 | 1       |
| sec-Butylbenzene              | <0.000468 | U            | 0.00100 | 0.000468 mg/L |   |          | 06/18/23 19:01 | 1       |
| Styrene                       | <0.000655 | U            | 0.00100 | 0.000655 mg/L |   |          | 06/18/23 19:01 | 1       |
| tert-Butylbenzene             | <0.000442 | U            | 0.00100 | 0.000442 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U            | 0.00100 | 0.000470 mg/L |   |          | 06/18/23 19:01 | 1       |
| Tetrachloroethene             | <0.000801 | U            | 0.00100 | 0.000801 mg/L |   |          | 06/18/23 19:01 | 1       |
| Toluene                       | <0.000475 | U            | 0.00100 | 0.000475 mg/L |   |          | 06/18/23 19:01 | 1       |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-108371/17

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.000945 | U            | 0.00100 | 0.000945 mg/L |   |          | 06/18/23 19:01 | 1       |
| trans-1,3-Dichloropropene | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U            | 0.00500 | 0.00217 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U            | 0.00500 | 0.00175 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U            | 0.00500 | 0.00169 mg/L  |   |          | 06/18/23 19:01 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U            | 0.00100 | 0.000511 mg/L |   |          | 06/18/23 19:01 | 1       |
| Trichloroethene           | <0.000791 | U            | 0.00500 | 0.000791 mg/L |   |          | 06/18/23 19:01 | 1       |
| Trichlorofluoromethane    | <0.000638 | U            | 0.00100 | 0.000638 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U            | 0.00100 | 0.000490 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U            | 0.00100 | 0.000417 mg/L |   |          | 06/18/23 19:01 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U            | 0.00100 | 0.000456 mg/L |   |          | 06/18/23 19:01 | 1       |
| Vinyl chloride            | <0.000638 | U            | 0.00200 | 0.000638 mg/L |   |          | 06/18/23 19:01 | 1       |
| Xylenes, Total            | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/18/23 19:01 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 102          |              | 74 - 124 |          | 06/18/23 19:01 | 1       |
| Dibromofluoromethane (Surr)  | 97           |              | 75 - 131 |          | 06/18/23 19:01 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 63 - 144 |          | 06/18/23 19:01 | 1       |
| Toluene-d8 (Surr)            | 104          |              | 80 - 120 |          | 06/18/23 19:01 | 1       |

Lab Sample ID: LCS 860-108371/1011

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene                     | 0.0500      | 0.05007    |               | mg/L |   | 100  | 75 - 125    |
| Bromobenzene                | 0.0500      | 0.05171    |               | mg/L |   | 103  | 75 - 125    |
| Bromochloromethane          | 0.0500      | 0.05108    |               | mg/L |   | 102  | 60 - 140    |
| Bromodichloromethane        | 0.0500      | 0.05091    |               | mg/L |   | 102  | 75 - 125    |
| Bromoform                   | 0.0500      | 0.05467    |               | mg/L |   | 109  | 70 - 130    |
| Bromomethane                | 0.0500      | 0.04726    |               | mg/L |   | 95   | 60 - 140    |
| 2-Butanone                  | 0.250       | 0.2491     |               | mg/L |   | 100  | 60 - 140    |
| Carbon tetrachloride        | 0.0500      | 0.04893    |               | mg/L |   | 98   | 70 - 130    |
| Chlorobenzene               | 0.0500      | 0.05050    |               | mg/L |   | 101  | 65 - 135    |
| Chloroethane                | 0.0500      | 0.05085    |               | mg/L |   | 102  | 60 - 140    |
| Chloroform                  | 0.0500      | 0.05165    |               | mg/L |   | 103  | 70 - 121    |
| Chloromethane               | 0.0500      | 0.05134    |               | mg/L |   | 103  | 60 - 140    |
| 2-Chlorotoluene             | 0.0500      | 0.05022    |               | mg/L |   | 100  | 73 - 125    |
| 4-Chlorotoluene             | 0.0500      | 0.05147    |               | mg/L |   | 103  | 74 - 125    |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05062    |               | mg/L |   | 101  | 75 - 125    |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05170    |               | mg/L |   | 103  | 74 - 125    |
| Dibromochloromethane        | 0.0500      | 0.05237    |               | mg/L |   | 105  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05277    |               | mg/L |   | 106  | 59 - 125    |
| 1,2-Dibromoethane           | 0.0500      | 0.05116    |               | mg/L |   | 102  | 73 - 125    |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05072    |               | mg/L |   | 101  | 75 - 125    |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05149    |               | mg/L |   | 103  | 75 - 125    |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05002    |               | mg/L |   | 100  | 75 - 125    |
| Dichlorodifluoromethane     | 0.0500      | 0.04770    |               | mg/L |   | 95   | 50 - 150    |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-108371/1011

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1-Dichloroethane            | 0.0500      | 0.05017    |               | mg/L |   | 100  | 70 - 130    |
| 1,2-Dichloroethane            | 0.0500      | 0.05042    |               | mg/L |   | 101  | 72 - 130    |
| 1,1-Dichloroethene            | 0.0500      | 0.05027    |               | mg/L |   | 101  | 50 - 150    |
| 1,2-Dichloropropane           | 0.0500      | 0.04989    |               | mg/L |   | 100  | 74 - 125    |
| 1,3-Dichloropropane           | 0.0500      | 0.05072    |               | mg/L |   | 101  | 75 - 125    |
| 2,2-Dichloropropane           | 0.0500      | 0.04877    |               | mg/L |   | 98   | 75 - 125    |
| 1,1-Dichloropropene           | 0.0500      | 0.04985    |               | mg/L |   | 100  | 75 - 125    |
| Ethylbenzene                  | 0.0500      | 0.05067    |               | mg/L |   | 101  | 75 - 125    |
| Hexachlorobutadiene           | 0.0500      | 0.05040    |               | mg/L |   | 101  | 75 - 125    |
| Isopropylbenzene              | 0.0500      | 0.05827    |               | mg/L |   | 117  | 75 - 125    |
| Methylene Chloride            | 0.0500      | 0.05185    |               | mg/L |   | 104  | 71 - 125    |
| m,p-Xylenes                   | 0.0500      | 0.05060    |               | mg/L |   | 101  | 75 - 125    |
| MTBE                          | 0.0500      | 0.05183    |               | mg/L |   | 104  | 65 - 135    |
| Naphthalene                   | 0.0500      | 0.05332    |               | mg/L |   | 107  | 70 - 130    |
| n-Butylbenzene                | 0.0500      | 0.05078    |               | mg/L |   | 102  | 75 - 125    |
| N-Propylbenzene               | 0.0500      | 0.05129    |               | mg/L |   | 103  | 75 - 125    |
| o-Xylene                      | 0.0500      | 0.05148    |               | mg/L |   | 103  | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05161    |               | mg/L |   | 103  | 75 - 125    |
| sec-Butylbenzene              | 0.0500      | 0.05069    |               | mg/L |   | 101  | 75 - 125    |
| Styrene                       | 0.0500      | 0.05239    |               | mg/L |   | 105  | 75 - 125    |
| tert-Butylbenzene             | 0.0500      | 0.05136    |               | mg/L |   | 103  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05233    |               | mg/L |   | 105  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05153    |               | mg/L |   | 103  | 74 - 125    |
| Tetrachloroethene             | 0.0500      | 0.04916    |               | mg/L |   | 98   | 71 - 125    |
| Toluene                       | 0.0500      | 0.05040    |               | mg/L |   | 101  | 70 - 130    |
| trans-1,2-Dichloroethene      | 0.0500      | 0.05046    |               | mg/L |   | 101  | 75 - 125    |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05156    |               | mg/L |   | 103  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05195    |               | mg/L |   | 104  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.05262    |               | mg/L |   | 105  | 75 - 135    |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05096    |               | mg/L |   | 102  | 70 - 130    |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05069    |               | mg/L |   | 101  | 70 - 130    |
| Trichloroethene               | 0.0500      | 0.05127    |               | mg/L |   | 103  | 75 - 135    |
| Trichlorofluoromethane        | 0.0500      | 0.05074    |               | mg/L |   | 101  | 60 - 140    |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05253    |               | mg/L |   | 105  | 75 - 125    |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05135    |               | mg/L |   | 103  | 75 - 125    |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05147    |               | mg/L |   | 103  | 60 - 140    |
| Vinyl chloride                | 0.0500      | 0.05034    |               | mg/L |   | 101  | 60 - 140    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 101           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 98            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 99            |               | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-108371/12

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-------------------------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
|                               |                |                |                   |      |   |      |                |     |              |
| Benzene                       | 0.0500         | 0.04549        |                   | mg/L |   | 91   | 75 - 125       | 10  | 25           |
| Bromobenzene                  | 0.0500         | 0.04821        |                   | mg/L |   | 96   | 75 - 125       | 7   | 25           |
| Bromochloromethane            | 0.0500         | 0.04650        |                   | mg/L |   | 93   | 60 - 140       | 9   | 25           |
| Bromodichloromethane          | 0.0500         | 0.04666        |                   | mg/L |   | 93   | 75 - 125       | 9   | 25           |
| Bromoform                     | 0.0500         | 0.05098        |                   | mg/L |   | 102  | 70 - 130       | 7   | 25           |
| Bromomethane                  | 0.0500         | 0.04323        |                   | mg/L |   | 86   | 60 - 140       | 9   | 25           |
| 2-Butanone                    | 0.250          | 0.2305         |                   | mg/L |   | 92   | 60 - 140       | 8   | 25           |
| Carbon tetrachloride          | 0.0500         | 0.04555        |                   | mg/L |   | 91   | 70 - 130       | 7   | 25           |
| Chlorobenzene                 | 0.0500         | 0.04540        |                   | mg/L |   | 91   | 65 - 135       | 11  | 25           |
| Chloroethane                  | 0.0500         | 0.05480        |                   | mg/L |   | 110  | 60 - 140       | 7   | 25           |
| Chloroform                    | 0.0500         | 0.04628        |                   | mg/L |   | 93   | 70 - 121       | 11  | 25           |
| Chloromethane                 | 0.0500         | 0.04575        |                   | mg/L |   | 92   | 60 - 140       | 12  | 25           |
| 2-Chlorotoluene               | 0.0500         | 0.04582        |                   | mg/L |   | 92   | 73 - 125       | 9   | 25           |
| 4-Chlorotoluene               | 0.0500         | 0.04708        |                   | mg/L |   | 94   | 74 - 125       | 9   | 25           |
| cis-1,2-Dichloroethene        | 0.0500         | 0.04573        |                   | mg/L |   | 91   | 75 - 125       | 10  | 25           |
| cis-1,3-Dichloropropene       | 0.0500         | 0.04736        |                   | mg/L |   | 95   | 74 - 125       | 9   | 25           |
| Dibromochloromethane          | 0.0500         | 0.04718        |                   | mg/L |   | 94   | 73 - 125       | 10  | 25           |
| 1,2-Dibromo-3-Chloropropane   | 0.0500         | 0.05154        |                   | mg/L |   | 103  | 59 - 125       | 2   | 25           |
| 1,2-Dibromoethane             | 0.0500         | 0.04675        |                   | mg/L |   | 94   | 73 - 125       | 9   | 25           |
| 1,2-Dichlorobenzene           | 0.0500         | 0.04712        |                   | mg/L |   | 94   | 75 - 125       | 7   | 25           |
| 1,3-Dichlorobenzene           | 0.0500         | 0.04781        |                   | mg/L |   | 96   | 75 - 125       | 7   | 25           |
| 1,4-Dichlorobenzene           | 0.0500         | 0.04630        |                   | mg/L |   | 93   | 75 - 125       | 8   | 25           |
| Dichlorodifluoromethane       | 0.0500         | 0.04337        |                   | mg/L |   | 87   | 50 - 150       | 10  | 25           |
| 1,1-Dichloroethane            | 0.0500         | 0.04647        |                   | mg/L |   | 93   | 70 - 130       | 8   | 25           |
| 1,2-Dichloroethane            | 0.0500         | 0.04691        |                   | mg/L |   | 94   | 72 - 130       | 7   | 25           |
| 1,1-Dichloroethene            | 0.0500         | 0.04519        |                   | mg/L |   | 90   | 50 - 150       | 11  | 25           |
| 1,2-Dichloropropane           | 0.0500         | 0.04548        |                   | mg/L |   | 91   | 74 - 125       | 9   | 25           |
| 1,3-Dichloropropane           | 0.0500         | 0.04651        |                   | mg/L |   | 93   | 75 - 125       | 9   | 25           |
| 2,2-Dichloropropane           | 0.0500         | 0.04291        |                   | mg/L |   | 86   | 75 - 125       | 13  | 25           |
| 1,1-Dichloropropene           | 0.0500         | 0.04492        |                   | mg/L |   | 90   | 75 - 125       | 10  | 25           |
| Ethylbenzene                  | 0.0500         | 0.04618        |                   | mg/L |   | 92   | 75 - 125       | 9   | 25           |
| Hexachlorobutadiene           | 0.0500         | 0.04836        |                   | mg/L |   | 97   | 75 - 125       | 4   | 25           |
| Isopropylbenzene              | 0.0500         | 0.05155        |                   | mg/L |   | 103  | 75 - 125       | 12  | 25           |
| Methylene Chloride            | 0.0500         | 0.04675        |                   | mg/L |   | 93   | 71 - 125       | 10  | 25           |
| m,p-Xylenes                   | 0.0500         | 0.04637        |                   | mg/L |   | 93   | 75 - 125       | 9   | 25           |
| MTBE                          | 0.0500         | 0.04733        |                   | mg/L |   | 95   | 65 - 135       | 9   | 25           |
| Naphthalene                   | 0.0500         | 0.05471        |                   | mg/L |   | 109  | 70 - 130       | 3   | 25           |
| n-Butylbenzene                | 0.0500         | 0.04705        |                   | mg/L |   | 94   | 75 - 125       | 8   | 25           |
| N-Propylbenzene               | 0.0500         | 0.04736        |                   | mg/L |   | 95   | 75 - 125       | 8   | 25           |
| o-Xylene                      | 0.0500         | 0.04572        |                   | mg/L |   | 91   | 75 - 125       | 12  | 25           |
| p-Cymene (p-Isopropyltoluene) | 0.0500         | 0.04737        |                   | mg/L |   | 95   | 75 - 125       | 9   | 25           |
| sec-Butylbenzene              | 0.0500         | 0.04682        |                   | mg/L |   | 94   | 75 - 125       | 8   | 25           |
| Styrene                       | 0.0500         | 0.04755        |                   | mg/L |   | 95   | 75 - 125       | 10  | 25           |
| tert-Butylbenzene             | 0.0500         | 0.04666        |                   | mg/L |   | 93   | 75 - 125       | 10  | 25           |
| 1,1,1,2-Tetrachloroethane     | 0.0500         | 0.04715        |                   | mg/L |   | 94   | 72 - 125       | 10  | 25           |
| 1,1,1,2,2-Tetrachloroethane   | 0.0500         | 0.04911        |                   | mg/L |   | 98   | 74 - 125       | 5   | 25           |
| Tetrachloroethene             | 0.0500         | 0.04568        |                   | mg/L |   | 91   | 71 - 125       | 7   | 25           |
| Toluene                       | 0.0500         | 0.04486        |                   | mg/L |   | 90   | 70 - 130       | 12  | 25           |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-108371/12

Matrix: Water

Analysis Batch: 108371

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.04525     |                | mg/L |   | 91   | 75 - 125    | 11  | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.04746     |                | mg/L |   | 95   | 66 - 125    | 8   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.05243     |                | mg/L |   | 105  | 75 - 137    | 1   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05133     |                | mg/L |   | 103  | 75 - 135    | 2   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.04597     |                | mg/L |   | 92   | 70 - 130    | 10  | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.04598     |                | mg/L |   | 92   | 70 - 130    | 10  | 25        |
| Trichloroethene           | 0.0500      | 0.04693     |                | mg/L |   | 94   | 75 - 135    | 9   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.04613     |                | mg/L |   | 92   | 60 - 140    | 10  | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.04918     |                | mg/L |   | 98   | 75 - 125    | 7   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.04699     |                | mg/L |   | 94   | 75 - 125    | 9   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.04646     |                | mg/L |   | 93   | 60 - 140    | 10  | 25        |
| Vinyl chloride            | 0.0500      | 0.04641     |                | mg/L |   | 93   | 60 - 140    | 8   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 101            |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 100            |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 99             |                | 63 - 144    |
| Toluene-d8 (Surr)            | 99             |                | 80 - 120    |

Lab Sample ID: 880-29607-1 MS

Matrix: Water

Analysis Batch: 108371

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Benzene                     | <0.000460     | U                | 0.0500      | 0.04637   |              | mg/L |   | 93   | 66 - 142    |
| Bromobenzene                | <0.000665     | U                | 0.0500      | 0.04801   |              | mg/L |   | 96   | 75 - 125    |
| Bromochloromethane          | <0.000657     | U                | 0.0500      | 0.04593   |              | mg/L |   | 92   | 60 - 140    |
| Bromodichloromethane        | <0.000552     | U                | 0.0500      | 0.04667   |              | mg/L |   | 93   | 75 - 125    |
| Bromoform                   | <0.000633     | U                | 0.0500      | 0.05004   |              | mg/L |   | 100  | 75 - 125    |
| Bromomethane                | <0.00142      | U                | 0.0500      | 0.04293   |              | mg/L |   | 86   | 60 - 140    |
| 2-Butanone                  | <0.00828      | U                | 0.250       | 0.2221    |              | mg/L |   | 89   | 60 - 140    |
| Carbon tetrachloride        | <0.000896     | U                | 0.0500      | 0.04752   |              | mg/L |   | 95   | 62 - 125    |
| Chlorobenzene               | <0.000530     | U                | 0.0500      | 0.04669   |              | mg/L |   | 93   | 60 - 133    |
| Chloroethane                | <0.00198      | U                | 0.0500      | 0.04939   |              | mg/L |   | 99   | 60 - 140    |
| Chloroform                  | <0.000643     | U                | 0.0500      | 0.04629   |              | mg/L |   | 93   | 70 - 130    |
| Chloromethane               | <0.00204      | U                | 0.0500      | 0.04612   |              | mg/L |   | 92   | 60 - 140    |
| 2-Chlorotoluene             | <0.00118      | U                | 0.0500      | 0.04573   |              | mg/L |   | 91   | 73 - 125    |
| 4-Chlorotoluene             | <0.000472     | U                | 0.0500      | 0.04757   |              | mg/L |   | 95   | 74 - 125    |
| cis-1,2-Dichloroethene      | <0.000714     | U                | 0.0500      | 0.04583   |              | mg/L |   | 92   | 75 - 125    |
| cis-1,3-Dichloropropene     | <0.00107      | U                | 0.0500      | 0.04687   |              | mg/L |   | 94   | 74 - 125    |
| Dibromochloromethane        | <0.000547     | U                | 0.0500      | 0.04740   |              | mg/L |   | 95   | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | <0.00127      | U F1             | 0.0500      | 0.09383   | F1           | mg/L |   | 188  | 59 - 125    |
| 1,2-Dibromoethane           | <0.000999     | U                | 0.0500      | 0.04703   |              | mg/L |   | 94   | 73 - 125    |
| 1,2-Dichlorobenzene         | <0.000509     | U F1             | 0.0500      | 0.03199   | F1           | mg/L |   | 64   | 75 - 125    |
| 1,3-Dichlorobenzene         | <0.000513     | U                | 0.0500      | 0.04752   |              | mg/L |   | 95   | 75 - 125    |
| 1,4-Dichlorobenzene         | <0.000513     | U                | 0.0500      | 0.04662   |              | mg/L |   | 93   | 75 - 125    |
| Dichlorodifluoromethane     | <0.000919     | U                | 0.0500      | 0.04871   |              | mg/L |   | 97   | 70 - 130    |
| 1,1-Dichloroethane          | <0.000635     | U                | 0.0500      | 0.04680   |              | mg/L |   | 94   | 72 - 125    |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 880-29607-1 MS

Client Sample ID: MW-1

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 108371

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1,2-Dichloroethane            | <0.000590     | U                | 0.0500      | 0.04570   |              | mg/L |   | 91   | 68 - 127    |
| 1,1-Dichloroethene            | <0.000738     | U                | 0.0500      | 0.04653   |              | mg/L |   | 93   | 59 - 172    |
| 1,2-Dichloropropane           | <0.000667     | U                | 0.0500      | 0.04546   |              | mg/L |   | 91   | 74 - 125    |
| 1,3-Dichloropropane           | <0.000514     | U                | 0.0500      | 0.04649   |              | mg/L |   | 93   | 75 - 125    |
| 2,2-Dichloropropane           | <0.000780     | U                | 0.0500      | 0.04430   |              | mg/L |   | 89   | 75 - 125    |
| 1,1-Dichloropropene           | <0.00160      | U                | 0.0500      | 0.04646   |              | mg/L |   | 93   | 75 - 125    |
| Ethylbenzene                  | <0.000411     | U                | 0.0500      | 0.04773   |              | mg/L |   | 95   | 75 - 125    |
| Hexachlorobutadiene           | <0.00126      | U                | 0.0500      | 0.04922   |              | mg/L |   | 98   | 75 - 125    |
| Isopropylbenzene              | <0.000613     | U                | 0.0500      | 0.05464   |              | mg/L |   | 109  | 75 - 125    |
| Methylene Chloride            | <0.00173      | U                | 0.0500      | 0.04634   |              | mg/L |   | 93   | 75 - 125    |
| m,p-Xylenes                   | <0.00124      | U                | 0.0500      | 0.04729   |              | mg/L |   | 95   | 75 - 125    |
| MTBE                          | <0.00139      | U                | 0.0500      | 0.04589   |              | mg/L |   | 92   | 65 - 135    |
| Naphthalene                   | <0.00135      | U                | 0.0500      | 0.05470   |              | mg/L |   | 109  | 70 - 130    |
| n-Butylbenzene                | <0.000644     | U                | 0.0500      | 0.03898   |              | mg/L |   | 78   | 75 - 125    |
| sec-Propylbenzene             | <0.000498     | U                | 0.0500      | 0.04825   |              | mg/L |   | 97   | 75 - 125    |
| o-Xylene                      | <0.000551     | U                | 0.0500      | 0.04724   |              | mg/L |   | 94   | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | <0.000919     | U                | 0.0500      | 0.04854   |              | mg/L |   | 97   | 75 - 125    |
| sec-Butylbenzene              | <0.000468     | U                | 0.0500      | 0.04766   |              | mg/L |   | 95   | 75 - 125    |
| Styrene                       | <0.000655     | U                | 0.0500      | 0.04851   |              | mg/L |   | 97   | 75 - 125    |
| tert-Butylbenzene             | <0.000442     | U                | 0.0500      | 0.04732   |              | mg/L |   | 95   | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | <0.000644     | U                | 0.0500      | 0.04865   |              | mg/L |   | 97   | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | <0.000470     | U                | 0.0500      | 0.04753   |              | mg/L |   | 95   | 74 - 125    |
| Tetrachloroethene             | <0.000801     | U                | 0.0500      | 0.04749   |              | mg/L |   | 95   | 71 - 125    |
| Toluene                       | <0.000475     | U                | 0.0500      | 0.04653   |              | mg/L |   | 93   | 59 - 139    |
| trans-1,2-Dichloroethene      | <0.000945     | U                | 0.0500      | 0.04599   |              | mg/L |   | 92   | 75 - 125    |
| trans-1,3-Dichloropropene     | <0.00127      | U                | 0.0500      | 0.04786   |              | mg/L |   | 96   | 66 - 125    |
| 1,2,3-Trichlorobenzene        | <0.00217      | U                | 0.0500      | 0.05290   |              | mg/L |   | 106  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | <0.00175      | U                | 0.0500      | 0.05086   |              | mg/L |   | 102  | 75 - 135    |
| 1,1,1-Trichloroethane         | <0.00169      | U                | 0.0500      | 0.04720   |              | mg/L |   | 94   | 75 - 125    |
| 1,1,2-Trichloroethane         | <0.000511     | U                | 0.0500      | 0.04573   |              | mg/L |   | 91   | 75 - 127    |
| Trichloroethene               | <0.000791     | U                | 0.0500      | 0.04839   |              | mg/L |   | 97   | 62 - 137    |
| Trichlorofluoromethane        | <0.000638     | U                | 0.0500      | 0.04928   |              | mg/L |   | 99   | 60 - 140    |
| 1,2,3-Trichloropropane        | <0.000490     | U                | 0.0500      | 0.04990   |              | mg/L |   | 100  | 75 - 125    |
| 1,2,4-Trimethylbenzene        | <0.000417     | U                | 0.0500      | 0.04742   |              | mg/L |   | 95   | 75 - 125    |
| 1,3,5-Trimethylbenzene        | <0.000456     | U                | 0.0500      | 0.04710   |              | mg/L |   | 94   | 70 - 125    |
| Vinyl chloride                | <0.000638     | U                | 0.0500      | 0.04788   |              | mg/L |   | 96   | 60 - 140    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100          |              | 74 - 124 |
| Dibromofluoromethane (Surr)  | 98           |              | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 63 - 144 |
| Toluene-d8 (Surr)            | 99           |              | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-109176/1-A

Matrix: Water

Analysis Batch: 109562

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109176

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.988          | U               | 5.00     | 0.988 mg/L |   | 06/22/23 16:24 | 06/26/23 15:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.988          | U               | 5.00     | 0.988 mg/L |   | 06/22/23 16:24 | 06/26/23 15:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.954          | U               | 5.00     | 0.954 mg/L |   | 06/22/23 16:24 | 06/26/23 15:02 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94              |                 | 70 - 135 |            |   | 06/22/23 16:24 | 06/26/23 15:02 | 1       |
| o-Terphenyl                          | 114             |                 | 70 - 135 |            |   | 06/22/23 16:24 | 06/26/23 15:02 | 1       |

Lab Sample ID: LCS 860-109176/2-A

Matrix: Water

Analysis Batch: 109078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109176

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 99.7             | 127.0            |                  | mg/L |   | 127  | 70 - 135       |
| Diesel Range Organics (Over C10-C28) | 100              | 99.26            |                  | mg/L |   | 99   | 70 - 135       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |      |   |      |                |
| 1-Chlorooctane                       | 98               |                  | 70 - 135         |      |   |      |                |
| o-Terphenyl                          | 108              |                  | 70 - 135         |      |   |      |                |

Lab Sample ID: LCSD 860-109176/3-A

Matrix: Water

Analysis Batch: 109078

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109176

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 99.7              | 131.6             |                   | mg/L |   | 132  | 70 - 135       | 4   | 35           |
| Diesel Range Organics (Over C10-C28) | 100               | 104.7             |                   | mg/L |   | 105  | 70 - 135       | 5   | 35           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |      |   |      |                |     |              |
| 1-Chlorooctane                       | 98                |                   | 70 - 135          |      |   |      |                |     |              |
| o-Terphenyl                          | 101               |                   | 70 - 135          |      |   |      |                |     |              |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-108212/3

Matrix: Water

Analysis Batch: 108212

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB<br>Result | MB<br>Qualifier | RL    | Unit       | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|-------|------------|---|----------|----------------|---------|
| Chloride | <0.250       | U               | 0.500 | 0.250 mg/L |   |          | 06/16/23 15:04 | 1       |
| Fluoride | <0.100       | U               | 0.500 | 0.100 mg/L |   |          | 06/16/23 15:04 | 1       |
| Sulfate  | <0.200       | U               | 0.500 | 0.200 mg/L |   |          | 06/16/23 15:04 | 1       |

Eurofins Midland



## QC Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 860-108212/4

Matrix: Water

Analysis Batch: 108212

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0        | 9.688      |               | mg/L |   | 97   | 90 - 110    |
| Fluoride | 10.0        | 10.06      |               | mg/L |   | 101  | 90 - 110    |
| Sulfate  | 10.0        | 9.737      |               | mg/L |   | 97   | 90 - 110    |

Lab Sample ID: LCSD 860-108212/5

Matrix: Water

Analysis Batch: 108212

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0        | 9.702       |                | mg/L |   | 97   | 90 - 110    | 0   | 20        |
| Fluoride | 10.0        | 10.18       |                | mg/L |   | 102  | 90 - 110    | 1   | 20        |
| Sulfate  | 10.0        | 9.753       |                | mg/L |   | 98   | 90 - 110    | 0   | 20        |

Lab Sample ID: LLCS 860-108212/7

Matrix: Water

Analysis Batch: 108212

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|-------------|----------------|------|---|------|-------------|
| Chloride | 0.500       | 0.4737      | J              | mg/L |   | 95   | 50 - 150    |
| Fluoride | 0.500       | 0.4143      | J              | mg/L |   | 83   | 50 - 150    |
| Sulfate  | 0.500       | 0.4778      | J              | mg/L |   | 96   | 50 - 150    |

Lab Sample ID: MB 860-108213/3

Matrix: Water

Analysis Batch: 108213

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Nitrate as N | <0.0391   | U            | 0.100 | 0.0391 mg/L |   |          | 06/16/23 15:04 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 06/16/23 15:04 | 1       |

Lab Sample ID: LCS 860-108213/4

Matrix: Water

Analysis Batch: 108213

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate as N | 10.0        | 9.805      |               | mg/L |   | 98   | 80 - 120    |
| Nitrite as N | 10.0        | 9.922      |               | mg/L |   | 99   | 80 - 120    |

Lab Sample ID: LCSD 860-108213/5

Matrix: Water

Analysis Batch: 108213

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 10.0        | 9.814       |                | mg/L |   | 98   | 80 - 120    | 0   | 20        |
| Nitrite as N | 10.0        | 9.939       |                | mg/L |   | 99   | 80 - 120    | 0   | 20        |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-108213/6

Matrix: Water

Analysis Batch: 108213

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------|-------------|-------------|----------------|------|---|------|-------------|
| Nitrate as N | 0.100       | 0.09830     | J              | mg/L |   | 98   | 50 - 150    |
| Nitrite as N | 0.100       | 0.09947     | J              | mg/L |   | 99   | 50 - 150    |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-108543/3

Matrix: Water

Analysis Batch: 108543

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                                     | MB Result | MB Qualifier | RL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------------|-----------|--------------|------|------|---|----------|----------------|---------|
| Alkalinity                                  | <4.00     | U            | 4.00 | mg/L |   |          | 06/19/23 11:39 | 1       |
| Bicarbonate Alkalinity as CaCO <sub>3</sub> | <4.00     | U            | 4.00 | mg/L |   |          | 06/19/23 11:39 | 1       |
| Carbonate Alkalinity as CaCO <sub>3</sub>   | <4.00     | U            | 4.00 | mg/L |   |          | 06/19/23 11:39 | 1       |

Lab Sample ID: LCS 860-108543/4

Matrix: Water

Analysis Batch: 108543

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------|-------------|------------|---------------|------|---|------|-------------|
| Alkalinity | 250         | 252.3      |               | mg/L |   | 101  | 85 - 115    |

Lab Sample ID: LCSD 860-108543/5

Matrix: Water

Analysis Batch: 108543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte    | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Alkalinity | 250         | 253.7       |                | mg/L |   | 101  | 85 - 115    | 1   | 20        |

## Method: SM 4500 H+ B - pH

Lab Sample ID: 880-29607-1 DU

Matrix: Water

Analysis Batch: 108534

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte     | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit      | D | RPD | RPD Limit |
|-------------|---------------|------------------|-----------|--------------|-----------|---|-----|-----------|
| pH          | 6.9           | HF               | 7.0       |              | SU        |   | 0.4 | 20        |
| Temperature | 20.2          | HF               | 20.3      |              | Degrees C |   | 0.5 | 20        |

## Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-108506/13

Matrix: Water

Analysis Batch: 108506

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|-----------|--------------|-----|------|---|----------|----------------|---------|
| Sulfide | <9.89     | U            | 100 | mg/L |   |          | 06/19/23 14:24 | 20      |

Eurofins Midland

QC Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

Method: SM 4500 S2 F - Sulfide, Total (Continued)

|                                  |  |  |             |                                      |               |      |   |      |             |  |
|----------------------------------|--|--|-------------|--------------------------------------|---------------|------|---|------|-------------|--|
| Lab Sample ID: LCS 860-108506/14 |  |  |             | Client Sample ID: Lab Control Sample |               |      |   |      |             |  |
| Matrix: Water                    |  |  |             | Prep Type: Total/NA                  |               |      |   |      |             |  |
| Analysis Batch: 108506           |  |  |             |                                      |               |      |   |      |             |  |
| Analyte                          |  |  | Spike Added | LCS Result                           | LCS Qualifier | Unit | D | %Rec | %Rec Limits |  |
| Sulfide                          |  |  | 50.0        | 43.00                                |               | mg/L |   | 86   | 80 - 120    |  |

|                                   |  |  |             |                                          |                |      |   |      |             |           |
|-----------------------------------|--|--|-------------|------------------------------------------|----------------|------|---|------|-------------|-----------|
| Lab Sample ID: LCSD 860-108506/15 |  |  |             | Client Sample ID: Lab Control Sample Dup |                |      |   |      |             |           |
| Matrix: Water                     |  |  |             | Prep Type: Total/NA                      |                |      |   |      |             |           |
| Analysis Batch: 108506            |  |  |             |                                          |                |      |   |      |             |           |
| Analyte                           |  |  | Spike Added | LCSD Result                              | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD Limit |
| Sulfide                           |  |  | 50.0        | 43.00                                    |                | mg/L |   | 86   | 80 - 120    | 0 20      |

|                               |               |                  |             |                        |              |      |   |      |             |  |
|-------------------------------|---------------|------------------|-------------|------------------------|--------------|------|---|------|-------------|--|
| Lab Sample ID: 880-29607-2 MS |               |                  |             | Client Sample ID: MW-2 |              |      |   |      |             |  |
| Matrix: Water                 |               |                  |             | Prep Type: Total/NA    |              |      |   |      |             |  |
| Analysis Batch: 108506        |               |                  |             |                        |              |      |   |      |             |  |
| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result              | MS Qualifier | Unit | D | %Rec | %Rec Limits |  |
| Sulfide                       | <0.495        | U                | 50.0        | 41.00                  |              | mg/L |   | 80   | 80 - 120    |  |

|                                |               |                  |             |                        |               |      |   |      |             |           |
|--------------------------------|---------------|------------------|-------------|------------------------|---------------|------|---|------|-------------|-----------|
| Lab Sample ID: 880-29607-2 MSD |               |                  |             | Client Sample ID: MW-2 |               |      |   |      |             |           |
| Matrix: Water                  |               |                  |             | Prep Type: Total/NA    |               |      |   |      |             |           |
| Analysis Batch: 108506         |               |                  |             |                        |               |      |   |      |             |           |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MSD Result             | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD Limit |
| Sulfide                        | <0.495        | U                | 50.0        | 41.00                  |               | mg/L |   | 82   | 80 - 120    | 0 20      |

## QC Association Summary

Client: Ensolum

Job ID: 880-29607-1

Project/Site: South Hobbs - 03B1417002

## GC/MS VOA

## Analysis Batch: 108371

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-29607-1         | MW-1                   | Total/NA  | Water  | 8260C  |            |
| 880-29607-2         | MW-2                   | Total/NA  | Water  | 8260C  |            |
| MB 860-108371/17    | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-108371/1011 | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-108371/12  | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |
| 880-29607-1 MS      | MW-1                   | Total/NA  | Water  | 8260C  |            |

## GC Semi VOA

## Analysis Batch: 101425

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-29607-1   | MW-1             | Total/NA  | Water  | 8015 NM |            |
| 880-29607-2   | MW-2             | Total/NA  | Water  | 8015 NM |            |

## Analysis Batch: 109078

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCS 860-109176/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 109176     |
| LCSD 860-109176/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 109176     |

## Prep Batch: 109176

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|---------------------|------------------------|-----------|--------|----------------|------------|
| 880-29607-1         | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-29607-2         | MW-2                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 860-109176/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 860-109176/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 860-109176/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |

## Analysis Batch: 109318

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-29607-1   | MW-1             | Total/NA  | Water  | 8015B NM | 109176     |
| 880-29607-2   | MW-2             | Total/NA  | Water  | 8015B NM | 109176     |

## Analysis Batch: 109562

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------|-----------|--------|----------|------------|
| MB 860-109176/1-A | Method Blank     | Total/NA  | Water  | 8015B NM | 109176     |

## HPLC/IC

## Analysis Batch: 108212

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29607-1       | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-29607-2       | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-108212/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-108212/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-108212/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-108212/7 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 108213

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 880-29607-1     | MW-1             | Total/NA  | Water  | 300.0  |            |
| 880-29607-2     | MW-2             | Total/NA  | Water  | 300.0  |            |
| MB 860-108213/3 | Method Blank     | Total/NA  | Water  | 300.0  |            |

Eurofins Midland

QC Association Summary

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

HPLC/IC (Continued)

Analysis Batch: 108213 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| LCS 860-108213/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-108213/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-108213/6 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

General Chemistry

Analysis Batch: 108506

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|------------------------|-----------|--------|--------------|------------|
| 880-29607-1        | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-29607-2        | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| MB 860-108506/13   | Method Blank           | Total/NA  | Water  | SM 4500 S2 F |            |
| LCS 860-108506/14  | Lab Control Sample     | Total/NA  | Water  | SM 4500 S2 F |            |
| LCSD 860-108506/15 | Lab Control Sample Dup | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-29607-2 MS     | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-29607-2 MSD    | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |

Analysis Batch: 108534

| Lab Sample ID  | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|----------------|------------------|-----------|--------|--------------|------------|
| 880-29607-1    | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-29607-2    | MW-2             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-29607-1 DU | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 108543

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-29607-1       | MW-1                   | Total/NA  | Water  | SM 2320B |            |
| 880-29607-2       | MW-2                   | Total/NA  | Water  | SM 2320B |            |
| MB 860-108543/3   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-108543/4  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-108543/5 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 108911

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method        | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 880-29607-1   | MW-1             | Total/NA  | Water  | SM 4500 CO2 D |            |
| 880-29607-2   | MW-2             | Total/NA  | Water  | SM 4500 CO2 D |            |

Lab Chronicle

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

Client Sample ID: MW-1

Date Collected: 06/15/23 11:10

Date Received: 06/15/23 15:22

Lab Sample ID: 880-29607-1

Matrix: Water

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 108371       | NA      | EET HOU | 06/18/23 19:43       |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 101425       | CZT     | EET HOU | 06/19/23 18:11       |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 109176       | SAR     | EET HOU | 06/22/23 16:24       |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 109318       | T1S     | EET HOU | 06/23/23 16:21       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 108212       | A1S     | EET HOU | 06/16/23 18:53       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 108213       | A1S     | EET HOU | 06/16/23 18:53       |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 108543       | TL      | EET HOU | 06/19/23 15:25       |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 108911       | SC      | EET HOU | 06/21/23 11:57       |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 108534       | TL      | EET HOU | 06/19/23 15:55       |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 108506       | SCI     | EET HOU | 06/19/23 14:24       |

Client Sample ID: MW-2

Date Collected: 06/15/23 12:05

Date Received: 06/15/23 15:22

Lab Sample ID: 880-29607-2

Matrix: Water

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 108371       | NA      | EET HOU | 06/18/23 20:03       |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 101425       | CZT     | EET HOU | 06/19/23 18:11       |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 109176       | SAR     | EET HOU | 06/22/23 16:24       |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 109318       | T1S     | EET HOU | 06/23/23 16:42       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 108212       | A1S     | EET HOU | 06/17/23 00:57       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 108213       | A1S     | EET HOU | 06/17/23 00:57       |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 108543       | TL      | EET HOU | 06/19/23 15:42       |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 108911       | SC      | EET HOU | 06/21/23 11:57       |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 108534       | TL      | EET HOU | 06/19/23 15:58       |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 108506       | SCI     | EET HOU | 06/19/23 14:24       |

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-23-50      | 06-30-23        |

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

| Analysis Method | Prep Method    | Matrix | Analyte                              |
|-----------------|----------------|--------|--------------------------------------|
| 8015 NM         |                | Water  | Total TPH                            |
| 8015B NM        | 8015NM Aq Prep | Water  | Diesel Range Organics (Over C10-C28) |
| 8015B NM        | 8015NM Aq Prep | Water  | Gasoline Range Organics (GRO)-C6-C10 |
| 8015B NM        | 8015NM Aq Prep | Water  | Oil Range Organics (Over C28-C36)    |
| SM 2320B        |                | Water  | Bicarbonate Alkalinity as CaCO3      |
| SM 2320B        |                | Water  | Carbonate Alkalinity as CaCO3        |
| SM 4500 CO2 D   |                | Water  | Carbon dioxide                       |
| SM 4500 CO2 D   |                | Water  | Carbon Dioxide, Free                 |
| SM 4500 H+ B    |                | Water  | Temperature                          |



Method Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

| Method         | Method Description                                    | Protocol | Laboratory |
|----------------|-------------------------------------------------------|----------|------------|
| 8260C          | Volatile Organic Compounds by GC/MS                   | SW846    | EET HOU    |
| 8015 NM        | Diesel Range Organics (DRO) (GC)                      | SW846    | EET HOU    |
| 8015B NM       | Diesel Range Organics (DRO) (GC)                      | SW846    | EET HOU    |
| 300.0          | Anions, Ion Chromatography                            | EPA      | EET HOU    |
| SM 2320B       | Alkalinity                                            | SM       | EET HOU    |
| SM 4500 CO2 D  | Carbon Dioxide and Forms of Alkalinity by Calculation | SM       | EET HOU    |
| SM 4500 H+ B   | pH                                                    | SM       | EET HOU    |
| SM 4500 S2 F   | Sulfide, Total                                        | SM       | EET HOU    |
| 5030C          | Purge and Trap                                        | SW846    | EET HOU    |
| 8015NM Aq Prep | Microextraction                                       | SW846    | EET HOU    |

**Protocol References:**  
EPA = US Environmental Protection Agency  
SM = "Standard Methods For The Examination Of Water And Wastewater"  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

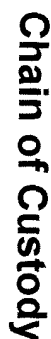
Sample Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29607-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-29607-1   | MW-1             | Water  | 06/15/23 11:10 | 06/15/23 15:22 |
| 880-29607-2   | MW-2             | Water  | 06/15/23 12:05 | 06/15/23 15:22 |

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



Work Order No: 29607

Houston, TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334  
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock, TX (806)/94-1296  
Phoenix, AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813) 233-3927  
Hobbs NM (575-392-7550)

www.xenco.com Page 1 of 1

| Work Order Comments                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>    |  |
| State of Project:                                                                                                                                                              |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> eval IV <input type="checkbox"/> |  |
| Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>                                                                        |  |

|                 |              |                                  |                  |  |  |  |  |  |  |                  |
|-----------------|--------------|----------------------------------|------------------|--|--|--|--|--|--|------------------|
| Project Name:   | South Hobbs  | Turn Around                      | ANALYSIS REQUEST |  |  |  |  |  |  | Work Order Notes |
| Project Number: | 03B1417002   | Routine <input type="checkbox"/> |                  |  |  |  |  |  |  |                  |
| P.O. Number:    | 03B1417002   | Rush 24 Hr                       |                  |  |  |  |  |  |  |                  |
| Sampler's Name  | Shane Diller | Due Date                         |                  |  |  |  |  |  |  |                  |
|                 |              |                                  | 500 CO2 c        |  |  |  |  |  |  |                  |
|                 |              |                                  | 6.2              |  |  |  |  |  |  |                  |
|                 |              |                                  | 00               |  |  |  |  |  |  |                  |

| SAMPLE RECEIPT       |                               |     |          |
|----------------------|-------------------------------|-----|----------|
| Temp Blank:          | Yes                           | No  | Wet Ice: |
| Yes                  | No                            | Yes | No       |
| Temperature (°C):    | 10.9/10.2 Thermometer ID      |     |          |
| Received Intact:     | Yes No                        |     |          |
| Cooler Custody Seals | Yes No N/A Correction Factor: |     |          |
| Sample Custody Seals | Yes No N/A Total Containers:  |     |          |

| Sample Identification                                                             | Matrix | Date Sampled | Time Sampled | Depth | Number | Dissolve | Dissolve | VOC SW | TPH EPA | Chloride | pH EPA |
|-----------------------------------------------------------------------------------|--------|--------------|--------------|-------|--------|----------|----------|--------|---------|----------|--------|
| MMW-1                                                                             | GW     | 6-15-23      | 1110         | -     | 7      | X        | X        | X      | X       | X        | X      |
| MMW-2                                                                             | GW     | 6-15-23      | 1205         | -     | 7      | X        | X        | X      | X       | X        | X      |
|  |        |              |              |       |        |          |          |        |         |          |        |



880-29607 Chain of Custody

Sample Comments

24 Hr

880-29607 Chain of Custody

880-29607 Chain of Custody

[illegible]

Notice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature)                                                       | Received by: (Signature)                                                          | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|------------------------------|--------------------------|-----------|
| 1  |  | 10/15/23  | 2                            |                          |           |
| 3                                                                                  |                                                                                   | 1522      | 4                            |                          |           |
| 5                                                                                  |                                                                                   |           | 6                            |                          |           |

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29607-1

Login Number: 29607

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29607-1

Login Number: 29607

List Number: 2

Creator: Babar, Syed

List Source: Eurofins Houston

List Creation: 06/16/23 04:43 PM

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



Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Beaux Jennings  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 6/30/2023 2:19:14 PM

## JOB DESCRIPTION

South Hobbs - 03B1417002  
South Hobbs

## JOB NUMBER

880-29967-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
6/30/2023 2:19:14 PM

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



Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Laboratory Job ID: 880-29967-1

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| Surrogate Summary . . . . .      | 11 |
| QC Sample Results . . . . .      | 12 |
| QC Association Summary . . . . . | 28 |
| Lab Chronicle . . . . .          | 30 |
| Certification Summary . . . . .  | 31 |
| Method Summary . . . . .         | 32 |
| Sample Summary . . . . .         | 33 |
| Chain of Custody . . . . .       | 34 |
| Receipt Checklists . . . . .     | 35 |

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

Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29967-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

General Chemistry

| Qualifier | Qualifier Description                                                                                |
|-----------|------------------------------------------------------------------------------------------------------|
| HF        | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| U         | Indicates the analyte was analyzed for but not detected.                                             |

Glossary

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

Case Narrative

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29967-1

Job ID: 880-29967-1

Laboratory: Eurofins Midland

| Narrative |                              |
|-----------|------------------------------|
|           | Job Narrative<br>880-29967-1 |

Receipt

The samples were received on 6/23/2023 2:54 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 860-109461 recovered above the upper control limit for 1,2,4-Trichlorobenzene .The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 860-109461/2).

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

GC Semi VOA

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

HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-109419 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recovery is within acceptance limits.

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

General Chemistry

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

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

## Client Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-29967-1

Date Collected: 06/23/23 10:20

Matrix: Water

Date Received: 06/23/23 14:54

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U         | 0.00100 | 0.000460 mg/L |   |          | 06/26/23 12:39 | 1       |
| Bromobenzene                  | <0.000665 | U         | 0.00100 | 0.000665 mg/L |   |          | 06/26/23 12:39 | 1       |
| Bromochloromethane            | <0.000657 | U         | 0.00100 | 0.000657 mg/L |   |          | 06/26/23 12:39 | 1       |
| Bromodichloromethane          | <0.000552 | U         | 0.00100 | 0.000552 mg/L |   |          | 06/26/23 12:39 | 1       |
| Bromoform                     | <0.000633 | U         | 0.00500 | 0.000633 mg/L |   |          | 06/26/23 12:39 | 1       |
| Bromomethane                  | <0.00142  | U         | 0.00500 | 0.00142 mg/L  |   |          | 06/26/23 12:39 | 1       |
| 2-Butanone                    | <0.00828  | U         | 0.0500  | 0.00828 mg/L  |   |          | 06/26/23 12:39 | 1       |
| Carbon tetrachloride          | <0.000896 | U         | 0.00500 | 0.000896 mg/L |   |          | 06/26/23 12:39 | 1       |
| Chlorobenzene                 | <0.000530 | U         | 0.00100 | 0.000530 mg/L |   |          | 06/26/23 12:39 | 1       |
| Chloroethane                  | <0.00198  | U         | 0.0100  | 0.00198 mg/L  |   |          | 06/26/23 12:39 | 1       |
| Chloroform                    | <0.000643 | U         | 0.00100 | 0.000643 mg/L |   |          | 06/26/23 12:39 | 1       |
| Chloromethane                 | <0.00204  | U         | 0.0100  | 0.00204 mg/L  |   |          | 06/26/23 12:39 | 1       |
| 2-Chlorotoluene               | <0.00118  | U         | 0.00200 | 0.00118 mg/L  |   |          | 06/26/23 12:39 | 1       |
| 4-Chlorotoluene               | <0.000472 | U         | 0.00100 | 0.000472 mg/L |   |          | 06/26/23 12:39 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U         | 0.00100 | 0.000714 mg/L |   |          | 06/26/23 12:39 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U         | 0.00500 | 0.00107 mg/L  |   |          | 06/26/23 12:39 | 1       |
| Dibromochloromethane          | <0.000547 | U         | 0.00500 | 0.000547 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 12:39 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U         | 0.00500 | 0.000999 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U         | 0.00100 | 0.000509 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 12:39 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U         | 0.00100 | 0.000635 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U         | 0.00100 | 0.000590 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U         | 0.00100 | 0.000738 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U         | 0.00500 | 0.000667 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U         | 0.00500 | 0.000514 mg/L |   |          | 06/26/23 12:39 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U         | 0.00500 | 0.000780 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U         | 0.00500 | 0.00160 mg/L  |   |          | 06/26/23 12:39 | 1       |
| Ethylbenzene                  | <0.000411 | U         | 0.00100 | 0.000411 mg/L |   |          | 06/26/23 12:39 | 1       |
| Hexachlorobutadiene           | <0.00126  | U         | 0.00500 | 0.00126 mg/L  |   |          | 06/26/23 12:39 | 1       |
| Isopropylbenzene              | <0.000613 | U         | 0.00100 | 0.000613 mg/L |   |          | 06/26/23 12:39 | 1       |
| Methylene Chloride            | <0.00173  | U         | 0.00500 | 0.00173 mg/L  |   |          | 06/26/23 12:39 | 1       |
| m,p-Xylenes                   | <0.00124  | U         | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 12:39 | 1       |
| MTBE                          | <0.00139  | U         | 0.00500 | 0.00139 mg/L  |   |          | 06/26/23 12:39 | 1       |
| Naphthalene                   | <0.00135  | U         | 0.0100  | 0.00135 mg/L  |   |          | 06/26/23 12:39 | 1       |
| n-Butylbenzene                | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 12:39 | 1       |
| N-Propylbenzene               | <0.000498 | U         | 0.00100 | 0.000498 mg/L |   |          | 06/26/23 12:39 | 1       |
| o-Xylene                      | <0.000551 | U         | 0.00100 | 0.000551 mg/L |   |          | 06/26/23 12:39 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 12:39 | 1       |
| sec-Butylbenzene              | <0.000468 | U         | 0.00100 | 0.000468 mg/L |   |          | 06/26/23 12:39 | 1       |
| Styrene                       | <0.000655 | U         | 0.00100 | 0.000655 mg/L |   |          | 06/26/23 12:39 | 1       |
| tert-Butylbenzene             | <0.000442 | U         | 0.00100 | 0.000442 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U         | 0.00100 | 0.000470 mg/L |   |          | 06/26/23 12:39 | 1       |
| Tetrachloroethene             | <0.000801 | U         | 0.00100 | 0.000801 mg/L |   |          | 06/26/23 12:39 | 1       |
| Toluene                       | <0.000475 | U         | 0.00100 | 0.000475 mg/L |   |          | 06/26/23 12:39 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 | U         | 0.00100 | 0.000945 mg/L |   |          | 06/26/23 12:39 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-29967-1

Date Collected: 06/23/23 10:20

Matrix: Water

Date Received: 06/23/23 14:54

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 12:39 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U         | 0.00500 | 0.00217 mg/L  |   |          | 06/26/23 12:39 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U         | 0.00500 | 0.00175 mg/L  |   |          | 06/26/23 12:39 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U         | 0.00500 | 0.00169 mg/L  |   |          | 06/26/23 12:39 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U         | 0.00100 | 0.000511 mg/L |   |          | 06/26/23 12:39 | 1       |
| Trichloroethene           | <0.000791 | U         | 0.00500 | 0.000791 mg/L |   |          | 06/26/23 12:39 | 1       |
| Trichlorofluoromethane    | <0.000638 | U         | 0.00100 | 0.000638 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U         | 0.00100 | 0.000490 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U         | 0.00100 | 0.000417 mg/L |   |          | 06/26/23 12:39 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U         | 0.00100 | 0.000456 mg/L |   |          | 06/26/23 12:39 | 1       |
| Vinyl chloride            | <0.000638 | U         | 0.00200 | 0.000638 mg/L |   |          | 06/26/23 12:39 | 1       |
| Xylenes, Total            | <0.00124  | U         | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 12:39 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 101       |           | 74 - 124 |          | 06/26/23 12:39 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 74 - 124 |          | 06/26/23 12:39 | 1       |
| Dibromofluoromethane (Surr)  | 113       |           | 75 - 131 |          | 06/26/23 12:39 | 1       |
| Dibromofluoromethane (Surr)  | 113       |           | 75 - 131 |          | 06/26/23 12:39 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 63 - 144 |          | 06/26/23 12:39 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 63 - 144 |          | 06/26/23 12:39 | 1       |
| Toluene-d8 (Surr)            | 107       |           | 80 - 120 |          | 06/26/23 12:39 | 1       |
| Toluene-d8 (Surr)            | 107       |           | 80 - 120 |          | 06/26/23 12:39 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | <0.991 | U         | 5.02 | 0.991 mg/L |   |          | 06/26/23 13:18 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.991    | U         | 5.02     | 0.991 mg/L |   | 06/27/23 14:20 | 06/28/23 03:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.991    | U         | 5.02     | 0.991 mg/L |   | 06/27/23 14:20 | 06/28/23 03:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.957    | U         | 5.02     | 0.957 mg/L |   | 06/27/23 14:20 | 06/28/23 03:55 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 114       |           | 70 - 135 |            |   | 06/27/23 14:20 | 06/28/23 03:55 | 1       |
| o-Terphenyl                          | 124       |           | 70 - 135 |            |   | 06/27/23 14:20 | 06/28/23 03:55 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 98.2   |           | 0.500 | 0.250 mg/L  |   |          | 06/24/23 17:48 | 1       |
| Nitrate as N | 0.0975 | J         | 0.100 | 0.0391 mg/L |   |          | 06/24/23 17:48 | 1       |
| Fluoride     | 0.469  | J         | 0.500 | 0.100 mg/L  |   |          | 06/24/23 17:48 | 1       |
| Nitrite as N | 0.178  |           | 0.100 | 0.0293 mg/L |   |          | 06/24/23 17:48 | 1       |
| Sulfate      | 34.8   |           | 0.500 | 0.200 mg/L  |   |          | 06/24/23 17:48 | 1       |

## General Chemistry

| Analyte                                    | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Alkalinity (SM 2320B)                      | 754    |           | 4.00 | 4.00 mg/L |   |          | 06/26/23 14:07 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 754    |           | 4.00 | 4.00 mg/L |   |          | 06/26/23 14:07 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-29967-1

Date Collected: 06/23/23 10:20

Matrix: Water

Date Received: 06/23/23 14:54

## General Chemistry (Continued)

| Analyte                                              | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|------------------------------------------------------|--------|-----------|------|------------|---|----------|----------------|---------|
| Carbonate Alkalinity as CaCO <sub>3</sub> (SM 2320B) | <4.00  | U         | 4.00 | 4.00 mg/L  |   |          | 06/26/23 14:07 | 1       |
| Carbon dioxide (SM 4500 CO <sub>2</sub> D)           | 738    |           |      | mg/L       |   |          | 06/30/23 15:04 | 1       |
| Carbon Dioxide, Free (SM 4500 CO <sub>2</sub> D)     | 75.4   |           |      | mg/L       |   |          | 06/30/23 15:04 | 1       |
| pH (SM 4500 H+ B)                                    | 7.3    | HF        |      | SU         |   |          | 06/26/23 19:08 | 1       |
| Temperature (SM 4500 H+ B)                           | 20.2   | HF        |      | Degrees C  |   |          | 06/26/23 19:08 | 1       |
| Sulfide (SM 4500 S <sub>2</sub> F)                   | <0.495 | U         | 5.00 | 0.495 mg/L |   |          | 06/27/23 15:56 | 1       |

Client Sample ID: MW-2

Lab Sample ID: 880-29967-2

Date Collected: 06/23/23 11:15

Matrix: Water

Date Received: 06/23/23 14:54

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                     | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                     | 0.0172    |           | 0.00100 | 0.000460 mg/L |   |          | 06/26/23 13:17 | 1       |
| Bromobenzene                | <0.000665 | U         | 0.00100 | 0.000665 mg/L |   |          | 06/26/23 13:17 | 1       |
| Bromochloromethane          | <0.000657 | U         | 0.00100 | 0.000657 mg/L |   |          | 06/26/23 13:17 | 1       |
| Bromodichloromethane        | <0.000552 | U         | 0.00100 | 0.000552 mg/L |   |          | 06/26/23 13:17 | 1       |
| Bromoform                   | <0.000633 | U         | 0.00500 | 0.000633 mg/L |   |          | 06/26/23 13:17 | 1       |
| Bromomethane                | <0.00142  | U         | 0.00500 | 0.00142 mg/L  |   |          | 06/26/23 13:17 | 1       |
| 2-Butanone                  | <0.00828  | U         | 0.0500  | 0.00828 mg/L  |   |          | 06/26/23 13:17 | 1       |
| Carbon tetrachloride        | <0.000896 | U         | 0.00500 | 0.000896 mg/L |   |          | 06/26/23 13:17 | 1       |
| Chlorobenzene               | <0.000530 | U         | 0.00100 | 0.000530 mg/L |   |          | 06/26/23 13:17 | 1       |
| Chloroethane                | <0.00198  | U         | 0.0100  | 0.00198 mg/L  |   |          | 06/26/23 13:17 | 1       |
| Chloroform                  | <0.000643 | U         | 0.00100 | 0.000643 mg/L |   |          | 06/26/23 13:17 | 1       |
| Chloromethane               | <0.00204  | U         | 0.0100  | 0.00204 mg/L  |   |          | 06/26/23 13:17 | 1       |
| 2-Chlorotoluene             | <0.00118  | U         | 0.00200 | 0.00118 mg/L  |   |          | 06/26/23 13:17 | 1       |
| 4-Chlorotoluene             | <0.000472 | U         | 0.00100 | 0.000472 mg/L |   |          | 06/26/23 13:17 | 1       |
| cis-1,2-Dichloroethene      | <0.000714 | U         | 0.00100 | 0.000714 mg/L |   |          | 06/26/23 13:17 | 1       |
| cis-1,3-Dichloropropene     | <0.00107  | U         | 0.00500 | 0.00107 mg/L  |   |          | 06/26/23 13:17 | 1       |
| Dibromochloromethane        | <0.000547 | U         | 0.00500 | 0.000547 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 13:17 | 1       |
| 1,2-Dibromoethane           | <0.000999 | U         | 0.00500 | 0.000999 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,2-Dichlorobenzene         | <0.000509 | U         | 0.00100 | 0.000509 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,3-Dichlorobenzene         | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,4-Dichlorobenzene         | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 13:17 | 1       |
| Dichlorodifluoromethane     | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,1-Dichloroethane          | <0.000635 | U         | 0.00100 | 0.000635 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,2-Dichloroethane          | <0.000590 | U         | 0.00100 | 0.000590 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,1-Dichloroethene          | <0.000738 | U         | 0.00100 | 0.000738 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,2-Dichloropropane         | <0.000667 | U         | 0.00500 | 0.000667 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,3-Dichloropropane         | <0.000514 | U         | 0.00500 | 0.000514 mg/L |   |          | 06/26/23 13:17 | 1       |
| 2,2-Dichloropropane         | <0.000780 | U         | 0.00500 | 0.000780 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,1-Dichloropropene         | <0.00160  | U         | 0.00500 | 0.00160 mg/L  |   |          | 06/26/23 13:17 | 1       |
| Ethylbenzene                | 0.0266    |           | 0.00100 | 0.000411 mg/L |   |          | 06/26/23 13:17 | 1       |
| Hexachlorobutadiene         | <0.00126  | U         | 0.00500 | 0.00126 mg/L  |   |          | 06/26/23 13:17 | 1       |
| Isopropylbenzene            | 0.0110    |           | 0.00100 | 0.000613 mg/L |   |          | 06/26/23 13:17 | 1       |
| Methylene Chloride          | <0.00173  | U         | 0.00500 | 0.00173 mg/L  |   |          | 06/26/23 13:17 | 1       |
| m,p-Xylenes                 | 0.0738    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 13:17 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-2

Lab Sample ID: 880-29967-2

Date Collected: 06/23/23 11:15

Matrix: Water

Date Received: 06/23/23 14:54

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| MTBE                          | <0.00139  | U         | 0.00500 | 0.00139 mg/L  |   |          | 06/26/23 13:17 | 1       |
| Naphthalene                   | <0.00135  | U         | 0.0100  | 0.00135 mg/L  |   |          | 06/26/23 13:17 | 1       |
| n-Butylbenzene                | 0.00100   |           | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 13:17 | 1       |
| N-Propylbenzene               | 0.00325   |           | 0.00100 | 0.000498 mg/L |   |          | 06/26/23 13:17 | 1       |
| o-Xylene                      | 0.0191    |           | 0.00100 | 0.000551 mg/L |   |          | 06/26/23 13:17 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 13:17 | 1       |
| sec-Butylbenzene              | 0.00117   |           | 0.00100 | 0.000468 mg/L |   |          | 06/26/23 13:17 | 1       |
| Styrene                       | <0.000655 | U         | 0.00100 | 0.000655 mg/L |   |          | 06/26/23 13:17 | 1       |
| tert-Butylbenzene             | <0.000442 | U         | 0.00100 | 0.000442 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U         | 0.00100 | 0.000470 mg/L |   |          | 06/26/23 13:17 | 1       |
| Tetrachloroethene             | <0.000801 | U         | 0.00100 | 0.000801 mg/L |   |          | 06/26/23 13:17 | 1       |
| Toluene                       | 0.00375   |           | 0.00100 | 0.000475 mg/L |   |          | 06/26/23 13:17 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 | U         | 0.00100 | 0.000945 mg/L |   |          | 06/26/23 13:17 | 1       |
| trans-1,3-Dichloropropene     | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 13:17 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00217  | U         | 0.00500 | 0.00217 mg/L  |   |          | 06/26/23 13:17 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00175  | U         | 0.00500 | 0.00175 mg/L  |   |          | 06/26/23 13:17 | 1       |
| 1,1,1-Trichloroethane         | <0.00169  | U         | 0.00500 | 0.00169 mg/L  |   |          | 06/26/23 13:17 | 1       |
| 1,1,2-Trichloroethane         | <0.000511 | U         | 0.00100 | 0.000511 mg/L |   |          | 06/26/23 13:17 | 1       |
| Trichloroethene               | <0.000791 | U         | 0.00500 | 0.000791 mg/L |   |          | 06/26/23 13:17 | 1       |
| Trichlorofluoromethane        | <0.000638 | U         | 0.00100 | 0.000638 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,2,3-Trichloropropane        | <0.000490 | U         | 0.00100 | 0.000490 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,2,4-Trimethylbenzene        | 0.0320    |           | 0.00100 | 0.000417 mg/L |   |          | 06/26/23 13:17 | 1       |
| 1,3,5-Trimethylbenzene        | 0.00823   |           | 0.00100 | 0.000456 mg/L |   |          | 06/26/23 13:17 | 1       |
| Vinyl chloride                | <0.000638 | U         | 0.00200 | 0.000638 mg/L |   |          | 06/26/23 13:17 | 1       |
| Xylenes, Total                | 0.0929    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 13:17 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 91        |           | 74 - 124 |          | 06/26/23 13:17 | 1       |
| Dibromofluoromethane (Surr)  | 116       |           | 75 - 131 |          | 06/26/23 13:17 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 116       |           | 63 - 144 |          | 06/26/23 13:17 | 1       |
| Toluene-d8 (Surr)            | 109       |           | 80 - 120 |          | 06/26/23 13:17 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | 1.47   | J         | 4.73 | 0.935 mg/L |   |          | 06/26/23 13:18 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.47      | J         | 4.73     | 0.935 mg/L |   | 06/27/23 14:20 | 06/28/23 04:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.935    | U         | 4.73     | 0.935 mg/L |   | 06/27/23 14:20 | 06/28/23 04:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.902    | U         | 4.73     | 0.902 mg/L |   | 06/27/23 14:20 | 06/28/23 04:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 98        |           | 70 - 135 |            |   | 06/27/23 14:20 | 06/28/23 04:14 | 1       |
| o-Terphenyl                          | 110       |           | 70 - 135 |            |   | 06/27/23 14:20 | 06/28/23 04:14 | 1       |

Eurofins Midland



Client Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-2

Lab Sample ID: 880-29967-2

Date Collected: 06/23/23 11:15

Matrix: Water

Date Received: 06/23/23 14:54

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |       |        |           |   |          |                |         |
|------------------------------------------------|--------|-----------|-------|--------|-----------|---|----------|----------------|---------|
| Analyte                                        | Result | Qualifier | RL    |        | Unit      | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                       | 99.1   |           | 0.500 | 0.250  | mg/L      |   |          | 06/24/23 18:06 | 1       |
| Nitrate as N                                   | 0.110  |           | 0.100 | 0.0391 | mg/L      |   |          | 06/24/23 18:06 | 1       |
| Fluoride                                       | 0.463  | J         | 0.500 | 0.100  | mg/L      |   |          | 06/24/23 18:06 | 1       |
| Nitrite as N                                   | 0.318  |           | 0.100 | 0.0293 | mg/L      |   |          | 06/24/23 18:06 | 1       |
| Sulfate                                        | 38.7   |           | 0.500 | 0.200  | mg/L      |   |          | 06/24/23 18:06 | 1       |
| General Chemistry                              |        |           |       |        |           |   |          |                |         |
| Analyte                                        | Result | Qualifier | RL    |        | Unit      | D | Prepared | Analyzed       | Dil Fac |
| Alkalinity (SM 2320B)                          | 788    |           | 4.00  | 4.00   | mg/L      |   |          | 06/26/23 14:19 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B)     | 788    |           | 4.00  | 4.00   | mg/L      |   |          | 06/26/23 14:19 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)       | <4.00  | U         | 4.00  | 4.00   | mg/L      |   |          | 06/26/23 14:19 | 1       |
| Carbon dioxide (SM 4500 CO2 D)                 | 755    |           |       |        | mg/L      |   |          | 06/30/23 15:04 | 1       |
| Carbon Dioxide, Free (SM 4500 CO2 D)           | 62.6   |           |       |        | mg/L      |   |          | 06/30/23 15:04 | 1       |
| pH (SM 4500 H+ B)                              | 7.4    | HF        |       |        | SU        |   |          | 06/26/23 19:11 | 1       |
| Temperature (SM 4500 H+ B)                     | 21.0   | HF        |       |        | Degrees C |   |          | 06/26/23 19:11 | 1       |
| Sulfide (SM 4500 S2 F)                         | <0.495 | U         | 5.00  | 0.495  | mg/L      |   |          | 06/27/23 15:56 | 1       |

## Surrogate Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29967-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

|                                    |                        | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                  |                 |                 |                 |                 |
|------------------------------------|------------------------|------------------------------------------------|-----------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| Lab Sample ID                      | Client Sample ID       | BFB<br>(74-124)                                | BFB<br>(74-124) | DBFM<br>(75-131) | DBFM<br>(75-131) | DCA<br>(63-144) | DCA<br>(63-144) | TOL<br>(80-120) | TOL<br>(80-120) |
| 880-29967-1                        | MW-1                   | 101                                            | 101             | 113              | 113              | 109             | 109             | 107             | 107             |
| 880-29967-1 MS                     | MW-1                   | 92                                             | 92              | 92               | 92               | 101             | 101             | 98              | 98              |
| 880-29967-2                        | MW-2                   | 91                                             | 91              | 116              | 116              | 116             | 116             | 109             | 109             |
| LCS 860-109461/3                   | Lab Control Sample     | 91                                             | 91              | 93               | 93               | 100             | 100             | 98              | 98              |
| LCS 860-109462/3                   | Lab Control Sample     | 91                                             | 91              | 93               | 93               | 100             | 100             | 98              | 98              |
| LCSD 860-109461/4                  | Lab Control Sample Dup | 93                                             | 93              | 92               | 92               | 99              | 99              | 97              | 97              |
| LCSD 860-109462/4                  | Lab Control Sample Dup | 93                                             | 93              | 92               | 92               | 99              | 99              | 97              | 97              |
| MB 860-109461/9                    | Method Blank           | 96                                             | 96              | 99               | 99               | 108             | 108             | 100             | 100             |
| MB 860-109462/9                    | Method Blank           | 96                                             | 96              | 99               | 99               | 108             | 108             | 100             | 100             |
| <b>Surrogate Legend</b>            |                        |                                                |                 |                  |                  |                 |                 |                 |                 |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |                                                |                 |                  |                  |                 |                 |                 |                 |
| DBFM = Dibromofluoromethane (Surr) |                        |                                                |                 |                  |                  |                 |                 |                 |                 |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |                                                |                 |                  |                  |                 |                 |                 |                 |
| TOL = Toluene-d8 (Surr)            |                        |                                                |                 |                  |                  |                 |                 |                 |                 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-135)                               | OTPH1<br>(70-135) |
| 880-29967-1             | MW-1                   | 114                                            | 124               |
| 880-29967-2             | MW-2                   | 98                                             | 110               |
| LCS 860-109819/2-A      | Lab Control Sample     | 102                                            | 82                |
| LCSD 860-109819/3-A     | Lab Control Sample Dup | 100                                            | 81                |
| MB 860-109819/1-A       | Method Blank           | 114                                            | 123               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-109461/9

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U            | 0.00100 | 0.000460 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromobenzene                  | <0.000665 | U            | 0.00100 | 0.000665 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromochloromethane            | <0.000657 | U            | 0.00100 | 0.000657 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromodichloromethane          | <0.000552 | U            | 0.00100 | 0.000552 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromoform                     | <0.000633 | U            | 0.00500 | 0.000633 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromomethane                  | <0.00142  | U            | 0.00500 | 0.00142 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 2-Butanone                    | <0.00828  | U            | 0.0500  | 0.00828 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Carbon tetrachloride          | <0.000896 | U            | 0.00500 | 0.000896 mg/L |   |          | 06/26/23 11:42 | 1       |
| Chlorobenzene                 | <0.000530 | U            | 0.00100 | 0.000530 mg/L |   |          | 06/26/23 11:42 | 1       |
| Chloroethane                  | <0.00198  | U            | 0.0100  | 0.00198 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Chloroform                    | <0.000643 | U            | 0.00100 | 0.000643 mg/L |   |          | 06/26/23 11:42 | 1       |
| Chloromethane                 | <0.00204  | U            | 0.0100  | 0.00204 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 2-Chlorotoluene               | <0.00118  | U            | 0.00200 | 0.00118 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 4-Chlorotoluene               | <0.000472 | U            | 0.00100 | 0.000472 mg/L |   |          | 06/26/23 11:42 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U            | 0.00100 | 0.000714 mg/L |   |          | 06/26/23 11:42 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U            | 0.00500 | 0.00107 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Dibromochloromethane          | <0.000547 | U            | 0.00500 | 0.000547 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U            | 0.00500 | 0.000999 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U            | 0.00100 | 0.000509 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 11:42 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U            | 0.00100 | 0.000635 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U            | 0.00100 | 0.000590 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U            | 0.00100 | 0.000738 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U            | 0.00500 | 0.000667 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U            | 0.00500 | 0.000514 mg/L |   |          | 06/26/23 11:42 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U            | 0.00500 | 0.000780 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U            | 0.00500 | 0.00160 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Ethylbenzene                  | <0.000411 | U            | 0.00100 | 0.000411 mg/L |   |          | 06/26/23 11:42 | 1       |
| Hexachlorobutadiene           | <0.00126  | U            | 0.00500 | 0.00126 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Isopropylbenzene              | <0.000613 | U            | 0.00100 | 0.000613 mg/L |   |          | 06/26/23 11:42 | 1       |
| Methylene Chloride            | <0.00173  | U            | 0.00500 | 0.00173 mg/L  |   |          | 06/26/23 11:42 | 1       |
| m,p-Xylenes                   | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 11:42 | 1       |
| MTBE                          | <0.00139  | U            | 0.00500 | 0.00139 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Naphthalene                   | <0.00135  | U            | 0.0100  | 0.00135 mg/L  |   |          | 06/26/23 11:42 | 1       |
| n-Butylbenzene                | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 11:42 | 1       |
| N-Propylbenzene               | <0.000498 | U            | 0.00100 | 0.000498 mg/L |   |          | 06/26/23 11:42 | 1       |
| o-Xylene                      | <0.000551 | U            | 0.00100 | 0.000551 mg/L |   |          | 06/26/23 11:42 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 11:42 | 1       |
| sec-Butylbenzene              | <0.000468 | U            | 0.00100 | 0.000468 mg/L |   |          | 06/26/23 11:42 | 1       |
| Styrene                       | <0.000655 | U            | 0.00100 | 0.000655 mg/L |   |          | 06/26/23 11:42 | 1       |
| tert-Butylbenzene             | <0.000442 | U            | 0.00100 | 0.000442 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U            | 0.00100 | 0.000470 mg/L |   |          | 06/26/23 11:42 | 1       |
| Tetrachloroethene             | <0.000801 | U            | 0.00100 | 0.000801 mg/L |   |          | 06/26/23 11:42 | 1       |
| Toluene                       | <0.000475 | U            | 0.00100 | 0.000475 mg/L |   |          | 06/26/23 11:42 | 1       |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-109461/9

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 109461

| Analyte                   | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.000945 | U            | 0.00100 | 0.000945 mg/L |   |          | 06/26/23 11:42 | 1       |
| trans-1,3-Dichloropropene | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U            | 0.00500 | 0.00217 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U            | 0.00500 | 0.00175 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U            | 0.00500 | 0.00169 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U            | 0.00100 | 0.000511 mg/L |   |          | 06/26/23 11:42 | 1       |
| Trichloroethene           | <0.000791 | U            | 0.00500 | 0.000791 mg/L |   |          | 06/26/23 11:42 | 1       |
| Trichlorofluoromethane    | <0.000638 | U            | 0.00100 | 0.000638 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U            | 0.00100 | 0.000490 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U            | 0.00100 | 0.000417 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U            | 0.00100 | 0.000456 mg/L |   |          | 06/26/23 11:42 | 1       |
| Vinyl chloride            | <0.000638 | U            | 0.00200 | 0.000638 mg/L |   |          | 06/26/23 11:42 | 1       |
| Xylenes, Total            | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 11:42 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 96           |              | 74 - 124 |          | 06/26/23 11:42 | 1       |
| Dibromofluoromethane (Surr)  | 99           |              | 75 - 131 |          | 06/26/23 11:42 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108          |              | 63 - 144 |          | 06/26/23 11:42 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 80 - 120 |          | 06/26/23 11:42 | 1       |

Lab Sample ID: LCS 860-109461/3

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 109461

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene                     | 0.0500      | 0.05263    |               | mg/L |   | 105  | 75 - 125    |
| Bromobenzene                | 0.0500      | 0.05196    |               | mg/L |   | 104  | 75 - 125    |
| Bromochloromethane          | 0.0500      | 0.05428    |               | mg/L |   | 109  | 60 - 140    |
| Bromodichloromethane        | 0.0500      | 0.05499    |               | mg/L |   | 110  | 75 - 125    |
| Bromoform                   | 0.0500      | 0.05453    |               | mg/L |   | 109  | 70 - 130    |
| Bromomethane                | 0.0500      | 0.05901    |               | mg/L |   | 118  | 60 - 140    |
| 2-Butanone                  | 0.250       | 0.2131     |               | mg/L |   | 85   | 60 - 140    |
| Carbon tetrachloride        | 0.0500      | 0.04885    |               | mg/L |   | 98   | 70 - 130    |
| Chlorobenzene               | 0.0500      | 0.05331    |               | mg/L |   | 107  | 65 - 135    |
| Chloroethane                | 0.0500      | 0.06380    |               | mg/L |   | 128  | 60 - 140    |
| Chloroform                  | 0.0500      | 0.04883    |               | mg/L |   | 98   | 70 - 121    |
| Chloromethane               | 0.0500      | 0.04648    |               | mg/L |   | 93   | 60 - 140    |
| 2-Chlorotoluene             | 0.0500      | 0.05074    |               | mg/L |   | 101  | 73 - 125    |
| 4-Chlorotoluene             | 0.0500      | 0.05078    |               | mg/L |   | 102  | 74 - 125    |
| cis-1,2-Dichloroethene      | 0.0500      | 0.04903    |               | mg/L |   | 98   | 75 - 125    |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05340    |               | mg/L |   | 107  | 74 - 125    |
| Dibromochloromethane        | 0.0500      | 0.05847    |               | mg/L |   | 117  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05222    |               | mg/L |   | 104  | 59 - 125    |
| 1,2-Dibromoethane           | 0.0500      | 0.05314    |               | mg/L |   | 106  | 73 - 125    |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05325    |               | mg/L |   | 107  | 75 - 125    |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05344    |               | mg/L |   | 107  | 75 - 125    |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05380    |               | mg/L |   | 108  | 75 - 125    |
| Dichlorodifluoromethane     | 0.0500      | 0.05617    |               | mg/L |   | 112  | 50 - 150    |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-109461/3

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1-Dichloroethane            | 0.0500      | 0.04696    |               | mg/L |   | 94   | 70 - 130    |
| 1,2-Dichloroethane            | 0.0500      | 0.05735    |               | mg/L |   | 115  | 72 - 130    |
| 1,1-Dichloroethene            | 0.0500      | 0.05146    |               | mg/L |   | 103  | 50 - 150    |
| 1,2-Dichloropropane           | 0.0500      | 0.04742    |               | mg/L |   | 95   | 74 - 125    |
| 1,3-Dichloropropane           | 0.0500      | 0.05240    |               | mg/L |   | 105  | 75 - 125    |
| 2,2-Dichloropropane           | 0.0500      | 0.05383    |               | mg/L |   | 108  | 75 - 125    |
| 1,1-Dichloropropene           | 0.0500      | 0.04957    |               | mg/L |   | 99   | 75 - 125    |
| Ethylbenzene                  | 0.0500      | 0.05285    |               | mg/L |   | 106  | 75 - 125    |
| Hexachlorobutadiene           | 0.0500      | 0.05758    |               | mg/L |   | 115  | 75 - 125    |
| Isopropylbenzene              | 0.0500      | 0.05547    |               | mg/L |   | 111  | 75 - 125    |
| Methylene Chloride            | 0.0500      | 0.04557    |               | mg/L |   | 91   | 71 - 125    |
| m,p-Xylenes                   | 0.0500      | 0.05419    |               | mg/L |   | 108  | 75 - 125    |
| MTBE                          | 0.0500      | 0.05118    |               | mg/L |   | 102  | 65 - 135    |
| Naphthalene                   | 0.0500      | 0.05359    |               | mg/L |   | 107  | 70 - 130    |
| n-Butylbenzene                | 0.0500      | 0.05142    |               | mg/L |   | 103  | 75 - 125    |
| N-Propylbenzene               | 0.0500      | 0.05039    |               | mg/L |   | 101  | 75 - 125    |
| o-Xylene                      | 0.0500      | 0.05425    |               | mg/L |   | 108  | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05446    |               | mg/L |   | 109  | 75 - 125    |
| sec-Butylbenzene              | 0.0500      | 0.05265    |               | mg/L |   | 105  | 75 - 125    |
| Styrene                       | 0.0500      | 0.05694    |               | mg/L |   | 114  | 75 - 125    |
| tert-Butylbenzene             | 0.0500      | 0.05309    |               | mg/L |   | 106  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05554    |               | mg/L |   | 111  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04401    |               | mg/L |   | 88   | 74 - 125    |
| Tetrachloroethene             | 0.0500      | 0.05639    |               | mg/L |   | 113  | 71 - 125    |
| Toluene                       | 0.0500      | 0.04846    |               | mg/L |   | 97   | 70 - 130    |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04916    |               | mg/L |   | 98   | 75 - 125    |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05634    |               | mg/L |   | 113  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05635    |               | mg/L |   | 113  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.05981    |               | mg/L |   | 120  | 75 - 135    |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05389    |               | mg/L |   | 108  | 70 - 130    |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05085    |               | mg/L |   | 102  | 70 - 130    |
| Trichloroethene               | 0.0500      | 0.05423    |               | mg/L |   | 108  | 75 - 135    |
| Trichlorofluoromethane        | 0.0500      | 0.06139    |               | mg/L |   | 123  | 60 - 140    |
| 1,2,3-Trichloropropane        | 0.0500      | 0.04529    |               | mg/L |   | 91   | 75 - 125    |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05225    |               | mg/L |   | 105  | 75 - 125    |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05184    |               | mg/L |   | 104  | 60 - 140    |
| Vinyl chloride                | 0.0500      | 0.05584    |               | mg/L |   | 112  | 60 - 140    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 91            |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 93            |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 63 - 144 |
| Toluene-d8 (Surr)            | 98            |               | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109461/4

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
|                               |             |             |                |      |   |      |             |     |           |
| Benzene                       | 0.0500      | 0.05139     |                | mg/L |   | 103  | 75 - 125    | 2   | 25        |
| Bromobenzene                  | 0.0500      | 0.05483     |                | mg/L |   | 110  | 75 - 125    | 5   | 25        |
| Bromochloromethane            | 0.0500      | 0.05570     |                | mg/L |   | 111  | 60 - 140    | 3   | 25        |
| Bromodichloromethane          | 0.0500      | 0.05601     |                | mg/L |   | 112  | 75 - 125    | 2   | 25        |
| Bromoform                     | 0.0500      | 0.05471     |                | mg/L |   | 109  | 70 - 130    | 0   | 25        |
| Bromomethane                  | 0.0500      | 0.06795     |                | mg/L |   | 136  | 60 - 140    | 14  | 25        |
| 2-Butanone                    | 0.250       | 0.2180      |                | mg/L |   | 87   | 60 - 140    | 2   | 25        |
| Carbon tetrachloride          | 0.0500      | 0.04666     |                | mg/L |   | 93   | 70 - 130    | 5   | 25        |
| Chlorobenzene                 | 0.0500      | 0.05448     |                | mg/L |   | 109  | 65 - 135    | 2   | 25        |
| Chloroethane                  | 0.0500      | 0.06712     |                | mg/L |   | 134  | 60 - 140    | 5   | 25        |
| Chloroform                    | 0.0500      | 0.04914     |                | mg/L |   | 98   | 70 - 121    | 1   | 25        |
| Chloromethane                 | 0.0500      | 0.05315     |                | mg/L |   | 106  | 60 - 140    | 13  | 25        |
| 2-Chlorotoluene               | 0.0500      | 0.05236     |                | mg/L |   | 105  | 73 - 125    | 3   | 25        |
| 4-Chlorotoluene               | 0.0500      | 0.05257     |                | mg/L |   | 105  | 74 - 125    | 3   | 25        |
| cis-1,2-Dichloroethene        | 0.0500      | 0.05005     |                | mg/L |   | 100  | 75 - 125    | 2   | 25        |
| cis-1,3-Dichloropropene       | 0.0500      | 0.05544     |                | mg/L |   | 111  | 74 - 125    | 4   | 25        |
| Dibromochloromethane          | 0.0500      | 0.05950     |                | mg/L |   | 119  | 73 - 125    | 2   | 25        |
| 1,2-Dibromo-3-Chloropropane   | 0.0500      | 0.05377     |                | mg/L |   | 108  | 59 - 125    | 3   | 25        |
| 1,2-Dibromoethane             | 0.0500      | 0.05406     |                | mg/L |   | 108  | 73 - 125    | 2   | 25        |
| 1,2-Dichlorobenzene           | 0.0500      | 0.05637     |                | mg/L |   | 113  | 75 - 125    | 6   | 25        |
| 1,3-Dichlorobenzene           | 0.0500      | 0.05552     |                | mg/L |   | 111  | 75 - 125    | 4   | 25        |
| 1,4-Dichlorobenzene           | 0.0500      | 0.05599     |                | mg/L |   | 112  | 75 - 125    | 4   | 25        |
| Dichlorodifluoromethane       | 0.0500      | 0.05837     |                | mg/L |   | 117  | 50 - 150    | 4   | 25        |
| 1,1-Dichloroethane            | 0.0500      | 0.04946     |                | mg/L |   | 99   | 70 - 130    | 5   | 25        |
| 1,2-Dichloroethane            | 0.0500      | 0.05681     |                | mg/L |   | 114  | 72 - 130    | 1   | 25        |
| 1,1-Dichloroethene            | 0.0500      | 0.05164     |                | mg/L |   | 103  | 50 - 150    | 0   | 25        |
| 1,2-Dichloropropane           | 0.0500      | 0.04901     |                | mg/L |   | 98   | 74 - 125    | 3   | 25        |
| 1,3-Dichloropropane           | 0.0500      | 0.05271     |                | mg/L |   | 105  | 75 - 125    | 1   | 25        |
| 2,2-Dichloropropane           | 0.0500      | 0.05579     |                | mg/L |   | 112  | 75 - 125    | 4   | 25        |
| 1,1-Dichloropropene           | 0.0500      | 0.04919     |                | mg/L |   | 98   | 75 - 125    | 1   | 25        |
| Ethylbenzene                  | 0.0500      | 0.05376     |                | mg/L |   | 108  | 75 - 125    | 2   | 25        |
| Hexachlorobutadiene           | 0.0500      | 0.05937     |                | mg/L |   | 119  | 75 - 125    | 3   | 25        |
| Isopropylbenzene              | 0.0500      | 0.05719     |                | mg/L |   | 114  | 75 - 125    | 3   | 25        |
| Methylene Chloride            | 0.0500      | 0.04668     |                | mg/L |   | 93   | 71 - 125    | 2   | 25        |
| m,p-Xylenes                   | 0.0500      | 0.05451     |                | mg/L |   | 109  | 75 - 125    | 1   | 25        |
| MTBE                          | 0.0500      | 0.05391     |                | mg/L |   | 108  | 65 - 135    | 5   | 25        |
| Naphthalene                   | 0.0500      | 0.05845     |                | mg/L |   | 117  | 70 - 130    | 9   | 25        |
| n-Butylbenzene                | 0.0500      | 0.05381     |                | mg/L |   | 108  | 75 - 125    | 5   | 25        |
| N-Propylbenzene               | 0.0500      | 0.05250     |                | mg/L |   | 105  | 75 - 125    | 4   | 25        |
| o-Xylene                      | 0.0500      | 0.05502     |                | mg/L |   | 110  | 75 - 125    | 1   | 25        |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05702     |                | mg/L |   | 114  | 75 - 125    | 5   | 25        |
| sec-Butylbenzene              | 0.0500      | 0.05504     |                | mg/L |   | 110  | 75 - 125    | 4   | 25        |
| Styrene                       | 0.0500      | 0.05700     |                | mg/L |   | 114  | 75 - 125    | 0   | 25        |
| tert-Butylbenzene             | 0.0500      | 0.05536     |                | mg/L |   | 111  | 75 - 125    | 4   | 25        |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05685     |                | mg/L |   | 114  | 72 - 125    | 2   | 25        |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04554     |                | mg/L |   | 91   | 74 - 125    | 3   | 25        |
| Tetrachloroethene             | 0.0500      | 0.05789     |                | mg/L |   | 116  | 71 - 125    | 3   | 25        |
| Toluene                       | 0.0500      | 0.04937     |                | mg/L |   | 99   | 70 - 130    | 2   | 25        |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109461/4

Matrix: Water

Analysis Batch: 109461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.04887     |                | mg/L |   | 98   | 75 - 125    | 1   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05723     |                | mg/L |   | 114  | 66 - 125    | 2   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.06156     |                | mg/L |   | 123  | 75 - 137    | 9   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.06442     |                | mg/L |   | 129  | 75 - 135    | 7   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05494     |                | mg/L |   | 110  | 70 - 130    | 2   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05240     |                | mg/L |   | 105  | 70 - 130    | 3   | 25        |
| Trichloroethene           | 0.0500      | 0.05504     |                | mg/L |   | 110  | 75 - 135    | 1   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.06427     |                | mg/L |   | 129  | 60 - 140    | 5   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.04858     |                | mg/L |   | 97   | 75 - 125    | 7   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05540     |                | mg/L |   | 111  | 75 - 125    | 6   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05472     |                | mg/L |   | 109  | 60 - 140    | 5   | 25        |
| Vinyl chloride            | 0.0500      | 0.05931     |                | mg/L |   | 119  | 60 - 140    | 6   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 93             |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 92             |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 99             |                | 63 - 144    |
| Toluene-d8 (Surr)            | 97             |                | 80 - 120    |

Lab Sample ID: 880-29967-1 MS

Matrix: Water

Analysis Batch: 109461

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Benzene                     | <0.000460     | U                | 0.0500      | 0.04839   |              | mg/L |   | 97   | 66 - 142    |
| Bromobenzene                | <0.000665     | U                | 0.0500      | 0.04933   |              | mg/L |   | 99   | 75 - 125    |
| Bromochloromethane          | <0.000657     | U                | 0.0500      | 0.04999   |              | mg/L |   | 100  | 60 - 140    |
| Bromodichloromethane        | <0.000552     | U                | 0.0500      | 0.05324   |              | mg/L |   | 106  | 75 - 125    |
| Bromoform                   | <0.000633     | U                | 0.0500      | 0.04969   |              | mg/L |   | 99   | 75 - 125    |
| Bromomethane                | <0.00142      | U                | 0.0500      | 0.05493   |              | mg/L |   | 110  | 60 - 140    |
| 2-Butanone                  | <0.00828      | U                | 0.250       | 0.1860    |              | mg/L |   | 74   | 60 - 140    |
| Carbon tetrachloride        | <0.000896     | U                | 0.0500      | 0.04654   |              | mg/L |   | 93   | 62 - 125    |
| Chlorobenzene               | <0.000530     | U                | 0.0500      | 0.05083   |              | mg/L |   | 102  | 60 - 133    |
| Chloroethane                | <0.00198      | U                | 0.0500      | 0.05635   |              | mg/L |   | 113  | 60 - 140    |
| Chloroform                  | <0.000643     | U                | 0.0500      | 0.04497   |              | mg/L |   | 90   | 70 - 130    |
| Chloromethane               | <0.00204      | U                | 0.0500      | 0.04482   |              | mg/L |   | 90   | 60 - 140    |
| 2-Chlorotoluene             | <0.00118      | U                | 0.0500      | 0.04795   |              | mg/L |   | 96   | 73 - 125    |
| 4-Chlorotoluene             | <0.000472     | U                | 0.0500      | 0.04830   |              | mg/L |   | 97   | 74 - 125    |
| cis-1,2-Dichloroethene      | <0.000714     | U                | 0.0500      | 0.04463   |              | mg/L |   | 89   | 75 - 125    |
| cis-1,3-Dichloropropene     | <0.00107      | U                | 0.0500      | 0.05278   |              | mg/L |   | 106  | 74 - 125    |
| Dibromochloromethane        | <0.000547     | U                | 0.0500      | 0.05517   |              | mg/L |   | 110  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | <0.00127      | U                | 0.0500      | 0.05140   |              | mg/L |   | 103  | 59 - 125    |
| 1,2-Dibromoethane           | <0.000999     | U                | 0.0500      | 0.04975   |              | mg/L |   | 99   | 73 - 125    |
| 1,2-Dichlorobenzene         | <0.000509     | U                | 0.0500      | 0.05177   |              | mg/L |   | 104  | 75 - 125    |
| 1,3-Dichlorobenzene         | <0.000513     | U                | 0.0500      | 0.05046   |              | mg/L |   | 101  | 75 - 125    |
| 1,4-Dichlorobenzene         | <0.000513     | U                | 0.0500      | 0.05117   |              | mg/L |   | 102  | 75 - 125    |
| Dichlorodifluoromethane     | <0.000919     | U                | 0.0500      | 0.04320   |              | mg/L |   | 86   | 70 - 130    |
| 1,1-Dichloroethane          | <0.000635     | U                | 0.0500      | 0.04295   |              | mg/L |   | 86   | 72 - 125    |

Eurofins Midland



## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 880-29967-1 MS

Client Sample ID: MW-1

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 109461

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1,2-Dichloroethane            | <0.000590     | U                | 0.0500      | 0.05413   |              | mg/L |   | 108  | 68 - 127    |
| 1,1-Dichloroethene            | <0.000738     | U                | 0.0500      | 0.04500   |              | mg/L |   | 90   | 59 - 172    |
| 1,2-Dichloropropane           | <0.000667     | U                | 0.0500      | 0.04758   |              | mg/L |   | 95   | 74 - 125    |
| 1,3-Dichloropropane           | <0.000514     | U                | 0.0500      | 0.04852   |              | mg/L |   | 97   | 75 - 125    |
| 2,2-Dichloropropane           | <0.000780     | U                | 0.0500      | 0.04828   |              | mg/L |   | 97   | 75 - 125    |
| 1,1-Dichloropropene           | <0.00160      | U                | 0.0500      | 0.04672   |              | mg/L |   | 93   | 75 - 125    |
| Ethylbenzene                  | <0.000411     | U                | 0.0500      | 0.04997   |              | mg/L |   | 100  | 75 - 125    |
| Hexachlorobutadiene           | <0.00126      | U                | 0.0500      | 0.05942   |              | mg/L |   | 119  | 75 - 125    |
| Isopropylbenzene              | <0.000613     | U                | 0.0500      | 0.05253   |              | mg/L |   | 105  | 75 - 125    |
| Methylene Chloride            | <0.00173      | U                | 0.0500      | 0.04318   |              | mg/L |   | 86   | 75 - 125    |
| m,p-Xylenes                   | <0.00124      | U                | 0.0500      | 0.05093   |              | mg/L |   | 102  | 75 - 125    |
| MTBE                          | <0.00139      | U                | 0.0500      | 0.04751   |              | mg/L |   | 95   | 65 - 135    |
| Naphthalene                   | <0.00135      | U                | 0.0500      | 0.05410   |              | mg/L |   | 108  | 70 - 130    |
| n-Butylbenzene                | <0.000644     | U                | 0.0500      | 0.04845   |              | mg/L |   | 97   | 75 - 125    |
| sec-Propylbenzene             | <0.000498     | U                | 0.0500      | 0.04806   |              | mg/L |   | 96   | 75 - 125    |
| o-Xylene                      | <0.000551     | U                | 0.0500      | 0.05057   |              | mg/L |   | 101  | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | <0.000919     | U                | 0.0500      | 0.05126   |              | mg/L |   | 103  | 75 - 125    |
| sec-Butylbenzene              | <0.000468     | U                | 0.0500      | 0.04966   |              | mg/L |   | 99   | 75 - 125    |
| Styrene                       | <0.000655     | U                | 0.0500      | 0.05275   |              | mg/L |   | 105  | 75 - 125    |
| tert-Butylbenzene             | <0.000442     | U                | 0.0500      | 0.05003   |              | mg/L |   | 100  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | <0.000644     | U                | 0.0500      | 0.05258   |              | mg/L |   | 105  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | <0.000470     | U                | 0.0500      | 0.04122   |              | mg/L |   | 82   | 74 - 125    |
| Tetrachloroethene             | <0.000801     | U                | 0.0500      | 0.05314   |              | mg/L |   | 106  | 71 - 125    |
| Toluene                       | <0.000475     | U                | 0.0500      | 0.04585   |              | mg/L |   | 92   | 59 - 139    |
| trans-1,2-Dichloroethene      | <0.000945     | U                | 0.0500      | 0.04715   |              | mg/L |   | 94   | 75 - 125    |
| trans-1,3-Dichloropropene     | <0.00127      | U                | 0.0500      | 0.05227   |              | mg/L |   | 105  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | <0.00217      | U                | 0.0500      | 0.05620   |              | mg/L |   | 112  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | <0.00175      | U                | 0.0500      | 0.05929   |              | mg/L |   | 119  | 75 - 135    |
| 1,1,1-Trichloroethane         | <0.00169      | U                | 0.0500      | 0.04872   |              | mg/L |   | 97   | 75 - 125    |
| 1,1,2-Trichloroethane         | <0.000511     | U                | 0.0500      | 0.04838   |              | mg/L |   | 97   | 75 - 127    |
| Trichloroethene               | <0.000791     | U                | 0.0500      | 0.05334   |              | mg/L |   | 107  | 62 - 137    |
| Trichlorofluoromethane        | <0.000638     | U                | 0.0500      | 0.05211   |              | mg/L |   | 104  | 60 - 140    |
| 1,2,3-Trichloropropane        | <0.000490     | U                | 0.0500      | 0.04287   |              | mg/L |   | 86   | 75 - 125    |
| 1,2,4-Trimethylbenzene        | <0.000417     | U                | 0.0500      | 0.05003   |              | mg/L |   | 100  | 75 - 125    |
| 1,3,5-Trimethylbenzene        | <0.000456     | U                | 0.0500      | 0.04905   |              | mg/L |   | 98   | 70 - 125    |
| Vinyl chloride                | <0.000638     | U                | 0.0500      | 0.04987   |              | mg/L |   | 100  | 60 - 140    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr)  | 92           |              | 74 - 124 |
| Dibromofluoromethane (Surr)  | 92           |              | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 101          |              | 63 - 144 |
| Toluene-d8 (Surr)            | 98           |              | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-109462/9

Matrix: Water

Analysis Batch: 109462

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U            | 0.00100 | 0.000460 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromobenzene                  | <0.000665 | U            | 0.00100 | 0.000665 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromochloromethane            | <0.000657 | U            | 0.00100 | 0.000657 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromodichloromethane          | <0.000552 | U            | 0.00100 | 0.000552 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromoform                     | <0.000633 | U            | 0.00500 | 0.000633 mg/L |   |          | 06/26/23 11:42 | 1       |
| Bromomethane                  | <0.00142  | U            | 0.00500 | 0.00142 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 2-Butanone                    | <0.00828  | U            | 0.0500  | 0.00828 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Carbon tetrachloride          | <0.000896 | U            | 0.00500 | 0.000896 mg/L |   |          | 06/26/23 11:42 | 1       |
| Chlorobenzene                 | <0.000530 | U            | 0.00100 | 0.000530 mg/L |   |          | 06/26/23 11:42 | 1       |
| Chloroethane                  | <0.00198  | U            | 0.0100  | 0.00198 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Chloroform                    | <0.000643 | U            | 0.00100 | 0.000643 mg/L |   |          | 06/26/23 11:42 | 1       |
| Chloromethane                 | <0.00204  | U            | 0.0100  | 0.00204 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 2-Chlorotoluene               | <0.00118  | U            | 0.00200 | 0.00118 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 4-Chlorotoluene               | <0.000472 | U            | 0.00100 | 0.000472 mg/L |   |          | 06/26/23 11:42 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U            | 0.00100 | 0.000714 mg/L |   |          | 06/26/23 11:42 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U            | 0.00500 | 0.00107 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Dibromochloromethane          | <0.000547 | U            | 0.00500 | 0.000547 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U            | 0.00500 | 0.000999 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U            | 0.00100 | 0.000509 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/26/23 11:42 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U            | 0.00100 | 0.000635 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U            | 0.00100 | 0.000590 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U            | 0.00100 | 0.000738 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U            | 0.00500 | 0.000667 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U            | 0.00500 | 0.000514 mg/L |   |          | 06/26/23 11:42 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U            | 0.00500 | 0.000780 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U            | 0.00500 | 0.00160 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Ethylbenzene                  | <0.000411 | U            | 0.00100 | 0.000411 mg/L |   |          | 06/26/23 11:42 | 1       |
| Hexachlorobutadiene           | <0.00126  | U            | 0.00500 | 0.00126 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Isopropylbenzene              | <0.000613 | U            | 0.00100 | 0.000613 mg/L |   |          | 06/26/23 11:42 | 1       |
| Methylene Chloride            | <0.00173  | U            | 0.00500 | 0.00173 mg/L  |   |          | 06/26/23 11:42 | 1       |
| m,p-Xylenes                   | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/26/23 11:42 | 1       |
| MTBE                          | <0.00139  | U            | 0.00500 | 0.00139 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Naphthalene                   | <0.00135  | U            | 0.0100  | 0.00135 mg/L  |   |          | 06/26/23 11:42 | 1       |
| n-Butylbenzene                | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 11:42 | 1       |
| N-Propylbenzene               | <0.000498 | U            | 0.00100 | 0.000498 mg/L |   |          | 06/26/23 11:42 | 1       |
| o-Xylene                      | <0.000551 | U            | 0.00100 | 0.000551 mg/L |   |          | 06/26/23 11:42 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/26/23 11:42 | 1       |
| sec-Butylbenzene              | <0.000468 | U            | 0.00100 | 0.000468 mg/L |   |          | 06/26/23 11:42 | 1       |
| Styrene                       | <0.000655 | U            | 0.00100 | 0.000655 mg/L |   |          | 06/26/23 11:42 | 1       |
| tert-Butylbenzene             | <0.000442 | U            | 0.00100 | 0.000442 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U            | 0.00100 | 0.000470 mg/L |   |          | 06/26/23 11:42 | 1       |
| Tetrachloroethene             | <0.000801 | U            | 0.00100 | 0.000801 mg/L |   |          | 06/26/23 11:42 | 1       |
| Toluene                       | <0.000475 | U            | 0.00100 | 0.000475 mg/L |   |          | 06/26/23 11:42 | 1       |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-109462/9

Matrix: Water

Analysis Batch: 109462

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB Result    | MB Qualifier | RL       | Unit          | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene     | <0.000945    | U            | 0.00100  | 0.000945 mg/L |   |          | 06/26/23 11:42 | 1       |
| trans-1,3-Dichloropropene    | <0.00127     | U            | 0.00500  | 0.00127 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,2,3-Trichlorobenzene       | <0.00217     | U            | 0.00500  | 0.00217 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,2,4-Trichlorobenzene       | <0.00175     | U            | 0.00500  | 0.00175 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,1,1-Trichloroethane        | <0.00169     | U            | 0.00500  | 0.00169 mg/L  |   |          | 06/26/23 11:42 | 1       |
| 1,1,2-Trichloroethane        | <0.000511    | U            | 0.00100  | 0.000511 mg/L |   |          | 06/26/23 11:42 | 1       |
| Trichloroethene              | <0.000791    | U            | 0.00500  | 0.000791 mg/L |   |          | 06/26/23 11:42 | 1       |
| Trichlorofluoromethane       | <0.000638    | U            | 0.00100  | 0.000638 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2,3-Trichloropropane       | <0.000490    | U            | 0.00100  | 0.000490 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,2,4-Trimethylbenzene       | <0.000417    | U            | 0.00100  | 0.000417 mg/L |   |          | 06/26/23 11:42 | 1       |
| 1,3,5-Trimethylbenzene       | <0.000456    | U            | 0.00100  | 0.000456 mg/L |   |          | 06/26/23 11:42 | 1       |
| Vinyl chloride               | <0.000638    | U            | 0.00200  | 0.000638 mg/L |   |          | 06/26/23 11:42 | 1       |
| Xylenes, Total               | <0.00124     | U            | 0.0100   | 0.00124 mg/L  |   |          | 06/26/23 11:42 | 1       |
| Surrogate                    | MB %Recovery | MB Qualifier | Limits   |               |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 96           |              | 74 - 124 |               |   |          | 06/26/23 11:42 | 1       |
| Dibromofluoromethane (Surr)  | 99           |              | 75 - 131 |               |   |          | 06/26/23 11:42 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108          |              | 63 - 144 |               |   |          | 06/26/23 11:42 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 80 - 120 |               |   |          | 06/26/23 11:42 | 1       |

Lab Sample ID: LCS 860-109462/3

Matrix: Water

Analysis Batch: 109462

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene                     | 0.0500      | 0.05263    |               | mg/L |   | 105  | 75 - 125    |
| Bromobenzene                | 0.0500      | 0.05196    |               | mg/L |   | 104  | 75 - 125    |
| Bromochloromethane          | 0.0500      | 0.05428    |               | mg/L |   | 109  | 60 - 140    |
| Bromodichloromethane        | 0.0500      | 0.05499    |               | mg/L |   | 110  | 75 - 125    |
| Bromoform                   | 0.0500      | 0.05120    |               | mg/L |   | 102  | 70 - 130    |
| Bromomethane                | 0.0500      | 0.05901    |               | mg/L |   | 118  | 60 - 140    |
| 2-Butanone                  | 0.250       | 0.2131     |               | mg/L |   | 85   | 60 - 140    |
| Carbon tetrachloride        | 0.0500      | 0.04990    |               | mg/L |   | 100  | 70 - 130    |
| Chlorobenzene               | 0.0500      | 0.05331    |               | mg/L |   | 107  | 65 - 135    |
| Chloroethane                | 0.0500      | 0.06380    |               | mg/L |   | 128  | 60 - 140    |
| Chloroform                  | 0.0500      | 0.04883    |               | mg/L |   | 98   | 70 - 121    |
| Chloromethane               | 0.0500      | 0.04648    |               | mg/L |   | 93   | 60 - 140    |
| 2-Chlorotoluene             | 0.0500      | 0.05074    |               | mg/L |   | 101  | 73 - 125    |
| 4-Chlorotoluene             | 0.0500      | 0.05078    |               | mg/L |   | 102  | 74 - 125    |
| cis-1,2-Dichloroethene      | 0.0500      | 0.04903    |               | mg/L |   | 98   | 75 - 125    |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05340    |               | mg/L |   | 107  | 74 - 125    |
| Dibromochloromethane        | 0.0500      | 0.05847    |               | mg/L |   | 117  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05222    |               | mg/L |   | 104  | 59 - 125    |
| 1,2-Dibromoethane           | 0.0500      | 0.05314    |               | mg/L |   | 106  | 73 - 125    |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05325    |               | mg/L |   | 107  | 75 - 125    |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05344    |               | mg/L |   | 107  | 75 - 125    |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05380    |               | mg/L |   | 108  | 75 - 125    |
| Dichlorodifluoromethane     | 0.0500      | 0.05617    |               | mg/L |   | 112  | 50 - 150    |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-109462/3

Matrix: Water

Analysis Batch: 109462

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|-------------------------------|----------------|---------------|------------------|------|---|------|----------------|
| 1,1-Dichloroethane            | 0.0500         | 0.04696       |                  | mg/L |   | 94   | 70 - 130       |
| 1,2-Dichloroethane            | 0.0500         | 0.05735       |                  | mg/L |   | 115  | 72 - 130       |
| 1,1-Dichloroethene            | 0.0500         | 0.05146       |                  | mg/L |   | 103  | 50 - 150       |
| 1,2-Dichloropropane           | 0.0500         | 0.04742       |                  | mg/L |   | 95   | 74 - 125       |
| 1,3-Dichloropropane           | 0.0500         | 0.05240       |                  | mg/L |   | 105  | 75 - 125       |
| 2,2-Dichloropropane           | 0.0500         | 0.05383       |                  | mg/L |   | 108  | 75 - 125       |
| 1,1-Dichloropropene           | 0.0500         | 0.04957       |                  | mg/L |   | 99   | 75 - 125       |
| Ethylbenzene                  | 0.0500         | 0.05285       |                  | mg/L |   | 106  | 75 - 125       |
| Hexachlorobutadiene           | 0.0500         | 0.05758       |                  | mg/L |   | 115  | 75 - 125       |
| Isopropylbenzene              | 0.0500         | 0.05547       |                  | mg/L |   | 111  | 75 - 125       |
| Methylene Chloride            | 0.0500         | 0.04557       |                  | mg/L |   | 91   | 71 - 125       |
| m,p-Xylenes                   | 0.0500         | 0.05419       |                  | mg/L |   | 108  | 75 - 125       |
| MTBE                          | 0.0500         | 0.05118       |                  | mg/L |   | 102  | 65 - 135       |
| Naphthalene                   | 0.0500         | 0.05359       |                  | mg/L |   | 107  | 70 - 130       |
| n-Butylbenzene                | 0.0500         | 0.05142       |                  | mg/L |   | 103  | 75 - 125       |
| N-Propylbenzene               | 0.0500         | 0.05039       |                  | mg/L |   | 101  | 75 - 125       |
| o-Xylene                      | 0.0500         | 0.05425       |                  | mg/L |   | 108  | 75 - 125       |
| p-Cymene (p-Isopropyltoluene) | 0.0500         | 0.05446       |                  | mg/L |   | 109  | 75 - 125       |
| sec-Butylbenzene              | 0.0500         | 0.05265       |                  | mg/L |   | 105  | 75 - 125       |
| Styrene                       | 0.0500         | 0.05694       |                  | mg/L |   | 114  | 75 - 125       |
| tert-Butylbenzene             | 0.0500         | 0.05309       |                  | mg/L |   | 106  | 75 - 125       |
| 1,1,1,2-Tetrachloroethane     | 0.0500         | 0.05554       |                  | mg/L |   | 111  | 72 - 125       |
| 1,1,2,2-Tetrachloroethane     | 0.0500         | 0.04401       |                  | mg/L |   | 88   | 74 - 125       |
| Tetrachloroethene             | 0.0500         | 0.05639       |                  | mg/L |   | 113  | 71 - 125       |
| Toluene                       | 0.0500         | 0.04846       |                  | mg/L |   | 97   | 70 - 130       |
| trans-1,2-Dichloroethene      | 0.0500         | 0.04916       |                  | mg/L |   | 98   | 75 - 125       |
| trans-1,3-Dichloropropene     | 0.0500         | 0.05634       |                  | mg/L |   | 113  | 66 - 125       |
| 1,2,3-Trichlorobenzene        | 0.0500         | 0.05635       |                  | mg/L |   | 113  | 75 - 137       |
| 1,2,4-Trichlorobenzene        | 0.0500         | 0.05981       |                  | mg/L |   | 120  | 75 - 135       |
| 1,1,1-Trichloroethane         | 0.0500         | 0.05389       |                  | mg/L |   | 108  | 70 - 130       |
| 1,1,2-Trichloroethane         | 0.0500         | 0.05085       |                  | mg/L |   | 102  | 70 - 130       |
| Trichloroethene               | 0.0500         | 0.05423       |                  | mg/L |   | 108  | 75 - 135       |
| Trichlorofluoromethane        | 0.0500         | 0.06139       |                  | mg/L |   | 123  | 60 - 140       |
| 1,2,3-Trichloropropane        | 0.0500         | 0.04529       |                  | mg/L |   | 91   | 75 - 125       |
| 1,2,4-Trimethylbenzene        | 0.0500         | 0.05225       |                  | mg/L |   | 105  | 75 - 125       |
| 1,3,5-Trimethylbenzene        | 0.0500         | 0.05184       |                  | mg/L |   | 104  | 60 - 140       |
| Vinyl chloride                | 0.0500         | 0.05584       |                  | mg/L |   | 112  | 60 - 140       |

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr)  | 91               |                  | 74 - 124 |
| Dibromofluoromethane (Surr)  | 93               |                  | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 100              |                  | 63 - 144 |
| Toluene-d8 (Surr)            | 98               |                  | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109462/4

Matrix: Water

Analysis Batch: 109462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike  | LCSD    | LCSD      | Unit | D | %Rec | %Rec     | RPD | Limit |
|-------------------------------|--------|---------|-----------|------|---|------|----------|-----|-------|
|                               | Added  | Result  | Qualifier |      |   |      | Limits   |     |       |
| Benzene                       | 0.0500 | 0.05139 |           | mg/L |   | 103  | 75 - 125 | 2   | 25    |
| Bromobenzene                  | 0.0500 | 0.05483 |           | mg/L |   | 110  | 75 - 125 | 5   | 25    |
| Bromochloromethane            | 0.0500 | 0.05570 |           | mg/L |   | 111  | 60 - 140 | 3   | 25    |
| Bromodichloromethane          | 0.0500 | 0.05601 |           | mg/L |   | 112  | 75 - 125 | 2   | 25    |
| Bromoform                     | 0.0500 | 0.05139 |           | mg/L |   | 103  | 70 - 130 | 0   | 25    |
| Bromomethane                  | 0.0500 | 0.06795 |           | mg/L |   | 136  | 60 - 140 | 14  | 25    |
| 2-Butanone                    | 0.250  | 0.2180  |           | mg/L |   | 87   | 60 - 140 | 2   | 25    |
| Carbon tetrachloride          | 0.0500 | 0.04764 |           | mg/L |   | 95   | 70 - 130 | 5   | 25    |
| Chlorobenzene                 | 0.0500 | 0.05448 |           | mg/L |   | 109  | 65 - 135 | 2   | 25    |
| Chloroethane                  | 0.0500 | 0.06712 |           | mg/L |   | 134  | 60 - 140 | 5   | 25    |
| Chloroform                    | 0.0500 | 0.04914 |           | mg/L |   | 98   | 70 - 121 | 1   | 25    |
| Chloromethane                 | 0.0500 | 0.05315 |           | mg/L |   | 106  | 60 - 140 | 13  | 25    |
| 2-Chlorotoluene               | 0.0500 | 0.05236 |           | mg/L |   | 105  | 73 - 125 | 3   | 25    |
| 4-Chlorotoluene               | 0.0500 | 0.05257 |           | mg/L |   | 105  | 74 - 125 | 3   | 25    |
| cis-1,2-Dichloroethene        | 0.0500 | 0.05005 |           | mg/L |   | 100  | 75 - 125 | 2   | 25    |
| cis-1,3-Dichloropropene       | 0.0500 | 0.05544 |           | mg/L |   | 111  | 74 - 125 | 4   | 25    |
| Dibromochloromethane          | 0.0500 | 0.05950 |           | mg/L |   | 119  | 73 - 125 | 2   | 25    |
| 1,2-Dibromo-3-Chloropropane   | 0.0500 | 0.05377 |           | mg/L |   | 108  | 59 - 125 | 3   | 25    |
| 1,2-Dibromoethane             | 0.0500 | 0.05406 |           | mg/L |   | 108  | 73 - 125 | 2   | 25    |
| 1,2-Dichlorobenzene           | 0.0500 | 0.05637 |           | mg/L |   | 113  | 75 - 125 | 6   | 25    |
| 1,3-Dichlorobenzene           | 0.0500 | 0.05552 |           | mg/L |   | 111  | 75 - 125 | 4   | 25    |
| 1,4-Dichlorobenzene           | 0.0500 | 0.05599 |           | mg/L |   | 112  | 75 - 125 | 4   | 25    |
| Dichlorodifluoromethane       | 0.0500 | 0.05837 |           | mg/L |   | 117  | 50 - 150 | 4   | 25    |
| 1,1-Dichloroethane            | 0.0500 | 0.04946 |           | mg/L |   | 99   | 70 - 130 | 5   | 25    |
| 1,2-Dichloroethane            | 0.0500 | 0.05681 |           | mg/L |   | 114  | 72 - 130 | 1   | 25    |
| 1,1-Dichloroethene            | 0.0500 | 0.05164 |           | mg/L |   | 103  | 50 - 150 | 0   | 25    |
| 1,2-Dichloropropane           | 0.0500 | 0.04901 |           | mg/L |   | 98   | 74 - 125 | 3   | 25    |
| 1,3-Dichloropropane           | 0.0500 | 0.05271 |           | mg/L |   | 105  | 75 - 125 | 1   | 25    |
| 2,2-Dichloropropane           | 0.0500 | 0.05579 |           | mg/L |   | 112  | 75 - 125 | 4   | 25    |
| 1,1-Dichloropropene           | 0.0500 | 0.04919 |           | mg/L |   | 98   | 75 - 125 | 1   | 25    |
| Ethylbenzene                  | 0.0500 | 0.05376 |           | mg/L |   | 108  | 75 - 125 | 2   | 25    |
| Hexachlorobutadiene           | 0.0500 | 0.05937 |           | mg/L |   | 119  | 75 - 125 | 3   | 25    |
| Isopropylbenzene              | 0.0500 | 0.05719 |           | mg/L |   | 114  | 75 - 125 | 3   | 25    |
| Methylene Chloride            | 0.0500 | 0.04668 |           | mg/L |   | 93   | 71 - 125 | 2   | 25    |
| m,p-Xylenes                   | 0.0500 | 0.05451 |           | mg/L |   | 109  | 75 - 125 | 1   | 25    |
| MTBE                          | 0.0500 | 0.05391 |           | mg/L |   | 108  | 65 - 135 | 5   | 25    |
| Naphthalene                   | 0.0500 | 0.05845 |           | mg/L |   | 117  | 70 - 130 | 9   | 25    |
| n-Butylbenzene                | 0.0500 | 0.05381 |           | mg/L |   | 108  | 75 - 125 | 5   | 25    |
| N-Propylbenzene               | 0.0500 | 0.05250 |           | mg/L |   | 105  | 75 - 125 | 4   | 25    |
| o-Xylene                      | 0.0500 | 0.05502 |           | mg/L |   | 110  | 75 - 125 | 1   | 25    |
| p-Cymene (p-Isopropyltoluene) | 0.0500 | 0.05702 |           | mg/L |   | 114  | 75 - 125 | 5   | 25    |
| sec-Butylbenzene              | 0.0500 | 0.05504 |           | mg/L |   | 110  | 75 - 125 | 4   | 25    |
| Styrene                       | 0.0500 | 0.05700 |           | mg/L |   | 114  | 75 - 125 | 0   | 25    |
| tert-Butylbenzene             | 0.0500 | 0.05536 |           | mg/L |   | 111  | 75 - 125 | 4   | 25    |
| 1,1,1,2-Tetrachloroethane     | 0.0500 | 0.05685 |           | mg/L |   | 114  | 72 - 125 | 2   | 25    |
| 1,1,2,2-Tetrachloroethane     | 0.0500 | 0.04554 |           | mg/L |   | 91   | 74 - 125 | 3   | 25    |
| Tetrachloroethene             | 0.0500 | 0.05789 |           | mg/L |   | 116  | 71 - 125 | 3   | 25    |
| Toluene                       | 0.0500 | 0.04937 |           | mg/L |   | 99   | 70 - 130 | 2   | 25    |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109462/4

Matrix: Water

Analysis Batch: 109462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.04887     |                | mg/L |   | 98   | 75 - 125    | 1   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05723     |                | mg/L |   | 114  | 66 - 125    | 2   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.06156     |                | mg/L |   | 123  | 75 - 137    | 9   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.06442     |                | mg/L |   | 129  | 75 - 135    | 7   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05494     |                | mg/L |   | 110  | 70 - 130    | 2   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05240     |                | mg/L |   | 105  | 70 - 130    | 3   | 25        |
| Trichloroethene           | 0.0500      | 0.05504     |                | mg/L |   | 110  | 75 - 135    | 1   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.06427     |                | mg/L |   | 129  | 60 - 140    | 5   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.04858     |                | mg/L |   | 97   | 75 - 125    | 7   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05540     |                | mg/L |   | 111  | 75 - 125    | 6   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05472     |                | mg/L |   | 109  | 60 - 140    | 5   | 25        |
| Vinyl chloride            | 0.0500      | 0.05931     |                | mg/L |   | 119  | 60 - 140    | 6   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 93             |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 92             |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 99             |                | 63 - 144    |
| Toluene-d8 (Surr)            | 97             |                | 80 - 120    |

Lab Sample ID: 880-29967-1 MS

Matrix: Water

Analysis Batch: 109462

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Benzene                     | <0.000460     | U                | 0.0500      | 0.04839   |              | mg/L |   | 97   | 66 - 142    |
| Bromobenzene                | <0.000665     | U                | 0.0500      | 0.04933   |              | mg/L |   | 99   | 75 - 125    |
| Bromochloromethane          | <0.000657     | U                | 0.0500      | 0.04999   |              | mg/L |   | 100  | 60 - 140    |
| Bromodichloromethane        | <0.000552     | U                | 0.0500      | 0.05324   |              | mg/L |   | 106  | 75 - 125    |
| Bromoform                   | <0.000633     | U                | 0.0500      | 0.04639   |              | mg/L |   | 93   | 75 - 125    |
| Bromomethane                | <0.00142      | U                | 0.0500      | 0.05493   |              | mg/L |   | 110  | 60 - 140    |
| 2-Butanone                  | <0.00828      | U                | 0.250       | 0.1860    |              | mg/L |   | 74   | 60 - 140    |
| Carbon tetrachloride        | <0.000896     | U                | 0.0500      | 0.04750   |              | mg/L |   | 95   | 62 - 125    |
| Chlorobenzene               | <0.000530     | U                | 0.0500      | 0.05083   |              | mg/L |   | 102  | 60 - 133    |
| Chloroethane                | <0.00198      | U                | 0.0500      | 0.05635   |              | mg/L |   | 113  | 60 - 140    |
| Chloroform                  | <0.000643     | U                | 0.0500      | 0.04497   |              | mg/L |   | 90   | 70 - 130    |
| Chloromethane               | <0.00204      | U                | 0.0500      | 0.04482   |              | mg/L |   | 90   | 60 - 140    |
| 2-Chlorotoluene             | <0.00118      | U                | 0.0500      | 0.04795   |              | mg/L |   | 96   | 73 - 125    |
| 4-Chlorotoluene             | <0.000472     | U                | 0.0500      | 0.04830   |              | mg/L |   | 97   | 74 - 125    |
| cis-1,2-Dichloroethene      | <0.000714     | U                | 0.0500      | 0.04463   |              | mg/L |   | 89   | 75 - 125    |
| cis-1,3-Dichloropropene     | <0.00107      | U                | 0.0500      | 0.05278   |              | mg/L |   | 106  | 74 - 125    |
| Dibromochloromethane        | <0.000547     | U                | 0.0500      | 0.05517   |              | mg/L |   | 110  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | <0.00127      | U                | 0.0500      | 0.05140   |              | mg/L |   | 103  | 59 - 125    |
| 1,2-Dibromoethane           | <0.000999     | U                | 0.0500      | 0.04975   |              | mg/L |   | 99   | 73 - 125    |
| 1,2-Dichlorobenzene         | <0.000509     | U                | 0.0500      | 0.05177   |              | mg/L |   | 104  | 75 - 125    |
| 1,3-Dichlorobenzene         | <0.000513     | U                | 0.0500      | 0.05046   |              | mg/L |   | 101  | 75 - 125    |
| 1,4-Dichlorobenzene         | <0.000513     | U                | 0.0500      | 0.05117   |              | mg/L |   | 102  | 75 - 125    |
| Dichlorodifluoromethane     | <0.000919     | U                | 0.0500      | 0.04320   |              | mg/L |   | 86   | 70 - 130    |
| 1,1-Dichloroethane          | <0.000635     | U                | 0.0500      | 0.04295   |              | mg/L |   | 86   | 72 - 125    |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 880-29967-1 MS

Client Sample ID: MW-1

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 109462

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1,2-Dichloroethane            | <0.000590     | U                | 0.0500      | 0.05413   |              | mg/L |   | 108  | 68 - 127    |
| 1,1-Dichloroethene            | <0.000738     | U                | 0.0500      | 0.04500   |              | mg/L |   | 90   | 59 - 172    |
| 1,2-Dichloropropane           | <0.000667     | U                | 0.0500      | 0.04758   |              | mg/L |   | 95   | 74 - 125    |
| 1,3-Dichloropropane           | <0.000514     | U                | 0.0500      | 0.04852   |              | mg/L |   | 97   | 75 - 125    |
| 2,2-Dichloropropane           | <0.000780     | U                | 0.0500      | 0.04828   |              | mg/L |   | 97   | 75 - 125    |
| 1,1-Dichloropropene           | <0.00160      | U                | 0.0500      | 0.04672   |              | mg/L |   | 93   | 75 - 125    |
| Ethylbenzene                  | <0.000411     | U                | 0.0500      | 0.04997   |              | mg/L |   | 100  | 75 - 125    |
| Hexachlorobutadiene           | <0.00126      | U                | 0.0500      | 0.05942   |              | mg/L |   | 119  | 75 - 125    |
| Isopropylbenzene              | <0.000613     | U                | 0.0500      | 0.05253   |              | mg/L |   | 105  | 75 - 125    |
| Methylene Chloride            | <0.00173      | U                | 0.0500      | 0.04318   |              | mg/L |   | 86   | 75 - 125    |
| m,p-Xylenes                   | <0.00124      | U                | 0.0500      | 0.05093   |              | mg/L |   | 102  | 75 - 125    |
| MTBE                          | <0.00139      | U                | 0.0500      | 0.04751   |              | mg/L |   | 95   | 65 - 135    |
| Naphthalene                   | <0.00135      | U                | 0.0500      | 0.05410   |              | mg/L |   | 108  | 70 - 130    |
| n-Butylbenzene                | <0.000644     | U                | 0.0500      | 0.04845   |              | mg/L |   | 97   | 75 - 125    |
| sec-Propylbenzene             | <0.000498     | U                | 0.0500      | 0.04806   |              | mg/L |   | 96   | 75 - 125    |
| o-Xylene                      | <0.000551     | U                | 0.0500      | 0.05057   |              | mg/L |   | 101  | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | <0.000919     | U                | 0.0500      | 0.05126   |              | mg/L |   | 103  | 75 - 125    |
| sec-Butylbenzene              | <0.000468     | U                | 0.0500      | 0.04966   |              | mg/L |   | 99   | 75 - 125    |
| Styrene                       | <0.000655     | U                | 0.0500      | 0.05275   |              | mg/L |   | 105  | 75 - 125    |
| tert-Butylbenzene             | <0.000442     | U                | 0.0500      | 0.05003   |              | mg/L |   | 100  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | <0.000644     | U                | 0.0500      | 0.05258   |              | mg/L |   | 105  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | <0.000470     | U                | 0.0500      | 0.04122   |              | mg/L |   | 82   | 74 - 125    |
| Tetrachloroethene             | <0.000801     | U                | 0.0500      | 0.05314   |              | mg/L |   | 106  | 71 - 125    |
| Toluene                       | <0.000475     | U                | 0.0500      | 0.04585   |              | mg/L |   | 92   | 59 - 139    |
| trans-1,2-Dichloroethene      | <0.000945     | U                | 0.0500      | 0.04715   |              | mg/L |   | 94   | 75 - 125    |
| trans-1,3-Dichloropropene     | <0.00127      | U                | 0.0500      | 0.05227   |              | mg/L |   | 105  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | <0.00217      | U                | 0.0500      | 0.05620   |              | mg/L |   | 112  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | <0.00175      | U                | 0.0500      | 0.05929   |              | mg/L |   | 119  | 75 - 135    |
| 1,1,1-Trichloroethane         | <0.00169      | U                | 0.0500      | 0.04872   |              | mg/L |   | 97   | 75 - 125    |
| 1,1,2-Trichloroethane         | <0.000511     | U                | 0.0500      | 0.04838   |              | mg/L |   | 97   | 75 - 127    |
| Trichloroethene               | <0.000791     | U                | 0.0500      | 0.05334   |              | mg/L |   | 107  | 62 - 137    |
| Trichlorofluoromethane        | <0.000638     | U                | 0.0500      | 0.05211   |              | mg/L |   | 104  | 60 - 140    |
| 1,2,3-Trichloropropane        | <0.000490     | U                | 0.0500      | 0.04287   |              | mg/L |   | 86   | 75 - 125    |
| 1,2,4-Trimethylbenzene        | <0.000417     | U                | 0.0500      | 0.05003   |              | mg/L |   | 100  | 75 - 125    |
| 1,3,5-Trimethylbenzene        | <0.000456     | U                | 0.0500      | 0.04905   |              | mg/L |   | 98   | 70 - 125    |
| Vinyl chloride                | <0.000638     | U                | 0.0500      | 0.04987   |              | mg/L |   | 100  | 60 - 140    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr)  | 92           |              | 74 - 124 |
| Dibromofluoromethane (Surr)  | 92           |              | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 101          |              | 63 - 144 |
| Toluene-d8 (Surr)            | 98           |              | 80 - 120 |

Eurofins Midland



## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-109819/1-A

Matrix: Water

Analysis Batch: 109727

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109819

| Analyte                              | MB Result | MB Qualifier | RL       | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|----------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.988    | U            | 5.00     | 0.988 mg/L |   | 06/27/23 14:20 | 06/28/23 03:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.988    | U            | 5.00     | 0.988 mg/L |   | 06/27/23 14:20 | 06/28/23 03:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.954    | U            | 5.00     | 0.954 mg/L |   | 06/27/23 14:20 | 06/28/23 03:35 | 1       |
| Surrogate                            | %Recovery | MB Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 114       |              | 70 - 135 |            |   | 06/27/23 14:20 | 06/28/23 03:35 | 1       |
| o-Terphenyl                          | 123       |              | 70 - 135 |            |   | 06/27/23 14:20 | 06/28/23 03:35 | 1       |

Lab Sample ID: LCS 860-109819/2-A

Matrix: Water

Analysis Batch: 109993

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109819

| Analyte                              | Spike Added | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|---------------|---------------|------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 99.7        | 134.7         |               | mg/L |   | 135  | 70 - 135    |
| Diesel Range Organics (Over C10-C28) | 100         | 80.30         |               | mg/L |   | 80   | 70 - 135    |
| Surrogate                            | %Recovery   | LCS Qualifier | Limits        |      |   |      |             |
| 1-Chlorooctane                       | 102         |               | 70 - 135      |      |   |      |             |
| o-Terphenyl                          | 82          |               | 70 - 135      |      |   |      |             |

Lab Sample ID: LCSD 860-109819/3-A

Matrix: Water

Analysis Batch: 109993

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109819

| Analyte                              | Spike Added | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|----------------|----------------|------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 99.7        | 132.4          |                | mg/L |   | 133  | 70 - 135    | 2   | 35        |
| Diesel Range Organics (Over C10-C28) | 100         | 79.48          |                | mg/L |   | 80   | 70 - 135    | 1   | 35        |
| Surrogate                            | %Recovery   | LCSD Qualifier | Limits         |      |   |      |             |     |           |
| 1-Chlorooctane                       | 100         |                | 70 - 135       |      |   |      |             |     |           |
| o-Terphenyl                          | 81          |                | 70 - 135       |      |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-109419/3

Matrix: Water

Analysis Batch: 109419

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB Result | MB Qualifier | RL    | Unit       | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|-------|------------|---|----------|----------------|---------|
| Chloride | <0.250    | U            | 0.500 | 0.250 mg/L |   |          | 06/24/23 10:09 | 1       |
| Fluoride | <0.100    | U            | 0.500 | 0.100 mg/L |   |          | 06/24/23 10:09 | 1       |
| Sulfate  | <0.200    | U            | 0.500 | 0.200 mg/L |   |          | 06/24/23 10:09 | 1       |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 860-109419/4

Matrix: Water

Analysis Batch: 109419

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0        | 9.864      |               | mg/L |   | 99   | 90 - 110    |
| Fluoride | 10.0        | 10.34      |               | mg/L |   | 103  | 90 - 110    |
| Sulfate  | 10.0        | 9.079      |               | mg/L |   | 91   | 90 - 110    |

Lab Sample ID: LCSD 860-109419/5

Matrix: Water

Analysis Batch: 109419

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0        | 9.844       |                | mg/L |   | 98   | 90 - 110    | 0   | 20        |
| Fluoride | 10.0        | 10.32       |                | mg/L |   | 103  | 90 - 110    | 0   | 20        |
| Sulfate  | 10.0        | 9.184       |                | mg/L |   | 92   | 90 - 110    | 1   | 20        |

Lab Sample ID: LLCS 860-109419/7

Matrix: Water

Analysis Batch: 109419

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|-------------|----------------|------|---|------|-------------|
| Chloride | 0.500       | 0.4950      | J              | mg/L |   | 99   | 50 - 150    |
| Fluoride | 0.500       | 0.5254      |                | mg/L |   | 105  | 50 - 150    |
| Sulfate  | 0.500       | 0.3778      | J              | mg/L |   | 76   | 50 - 150    |

Lab Sample ID: MB 860-109420/3

Matrix: Water

Analysis Batch: 109420

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Nitrate as N | <0.0391   | U            | 0.100 | 0.0391 mg/L |   |          | 06/24/23 10:09 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 06/24/23 10:09 | 1       |

Lab Sample ID: LCS 860-109420/4

Matrix: Water

Analysis Batch: 109420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate as N | 10.0        | 9.942      |               | mg/L |   | 99   | 80 - 120    |
| Nitrite as N | 10.0        | 10.01      |               | mg/L |   | 100  | 80 - 120    |

Lab Sample ID: LCSD 860-109420/5

Matrix: Water

Analysis Batch: 109420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 10.0        | 9.932       |                | mg/L |   | 99   | 80 - 120    | 0   | 20        |
| Nitrite as N | 10.0        | 10.00       |                | mg/L |   | 100  | 80 - 120    | 0   | 20        |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-109600/3

Matrix: Water

Analysis Batch: 109600

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                         | MB<br>Result | MB<br>Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------------|-----------------|------|-----------|---|----------|----------------|---------|
| Alkalinity                      | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 06/26/23 10:39 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 06/26/23 10:39 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 06/26/23 10:39 | 1       |

Lab Sample ID: LCS 860-109600/4

Matrix: Water

Analysis Batch: 109600

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------|----------------|---------------|------------------|------|---|------|----------------|
| Alkalinity | 250            | 251.4         |                  | mg/L |   | 101  | 85 - 115       |

Lab Sample ID: LCSD 860-109600/5

Matrix: Water

Analysis Batch: 109600

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte    | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Alkalinity | 250            | 251.2          |                   | mg/L |   | 100  | 85 - 115       | 0   | 20           |

## Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-109840/1

Matrix: Water

Analysis Batch: 109840

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB<br>Result | MB<br>Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|---------|--------------|-----------------|------|------------|---|----------|----------------|---------|
| Sulfide | <0.495       | U               | 5.00 | 0.495 mg/L |   |          | 06/27/23 15:56 | 1       |

Lab Sample ID: LCS 860-109840/2

Matrix: Water

Analysis Batch: 109840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|---------|----------------|---------------|------------------|------|---|------|----------------|
| Sulfide | 50.0           | 42.80         |                  | mg/L |   | 86   | 80 - 120       |

Lab Sample ID: LCSD 860-109840/3

Matrix: Water

Analysis Batch: 109840

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Sulfide | 50.0           | 42.80          |                   | mg/L |   | 86   | 80 - 120       | 0   | 20           |

Lab Sample ID: 880-29967-2 MS

Matrix: Water

Analysis Batch: 109840

Client Sample ID: MW-2

Prep Type: Total/NA

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------------|
| Sulfide | <0.495           | U                   | 50.0           | 41.20        |                 | mg/L |   | 82   | 80 - 120       |

Eurofins Midland

QC Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29967-1

Method: SM 4500 S2 F - Sulfide, Total (Continued)

|                                |               |                  |             |            |               |      |                        |      |             |     |           |  |
|--------------------------------|---------------|------------------|-------------|------------|---------------|------|------------------------|------|-------------|-----|-----------|--|
| Lab Sample ID: 880-29967-2 MSD |               |                  |             |            |               |      | Client Sample ID: MW-2 |      |             |     |           |  |
| Matrix: Water                  |               |                  |             |            |               |      | Prep Type: Total/NA    |      |             |     |           |  |
| Analysis Batch: 109840         |               |                  |             |            |               |      |                        |      |             |     |           |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D                      | %Rec | %Rec Limits | RPD | RPD Limit |  |
| Sulfide                        | <0.495        | U                | 50.0        | 41.20      |               | mg/L |                        | 82   | 80 - 120    | 0   | 20        |  |

## QC Association Summary

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## GC/MS VOA

## Analysis Batch: 109461

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29967-1       | MW-1                   | Total/NA  | Water  | 8260C  |            |
| 880-29967-2       | MW-2                   | Total/NA  | Water  | 8260C  |            |
| MB 860-109461/9   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-109461/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-109461/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |
| 880-29967-1 MS    | MW-1                   | Total/NA  | Water  | 8260C  |            |

## Analysis Batch: 109462

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29967-1       | MW-1                   | Total/NA  | Water  | 8260C  |            |
| MB 860-109462/9   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-109462/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-109462/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |
| 880-29967-1 MS    | MW-1                   | Total/NA  | Water  | 8260C  |            |

## GC Semi VOA

## Analysis Batch: 101425

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-29967-1   | MW-1             | Total/NA  | Water  | 8015 NM |            |
| 880-29967-2   | MW-2             | Total/NA  | Water  | 8015 NM |            |

## Analysis Batch: 109727

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------|-----------|--------|----------|------------|
| 880-29967-1       | MW-1             | Total/NA  | Water  | 8015B NM | 109819     |
| 880-29967-2       | MW-2             | Total/NA  | Water  | 8015B NM | 109819     |
| MB 860-109819/1-A | Method Blank     | Total/NA  | Water  | 8015B NM | 109819     |

## Prep Batch: 109819

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|---------------------|------------------------|-----------|--------|----------------|------------|
| 880-29967-1         | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-29967-2         | MW-2                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 860-109819/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 860-109819/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 860-109819/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |

## Analysis Batch: 109993

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCS 860-109819/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 109819     |
| LCSD 860-109819/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 109819     |

## HPLC/IC

## Analysis Batch: 109419

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29967-1       | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-29967-2       | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-109419/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-109419/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-109419/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-109419/7 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

Eurofins Midland

## QC Association Summary

Client: Ensolum

Job ID: 880-29967-1

Project/Site: South Hobbs - 03B1417002

## HPLC/IC

## Analysis Batch: 109420

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-29967-1       | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-29967-2       | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-109420/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-109420/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-109420/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## General Chemistry

## Analysis Batch: 109600

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-29967-1       | MW-1                   | Total/NA  | Water  | SM 2320B |            |
| 880-29967-2       | MW-2                   | Total/NA  | Water  | SM 2320B |            |
| MB 860-109600/3   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-109600/4  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-109600/5 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

## Analysis Batch: 109736

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-29967-1   | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-29967-2   | MW-2             | Total/NA  | Water  | SM 4500 H+ B |            |

## Analysis Batch: 109840

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|-------------------|------------------------|-----------|--------|--------------|------------|
| 880-29967-1       | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-29967-2       | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| MB 860-109840/1   | Method Blank           | Total/NA  | Water  | SM 4500 S2 F |            |
| LCS 860-109840/2  | Lab Control Sample     | Total/NA  | Water  | SM 4500 S2 F |            |
| LCSD 860-109840/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-29967-2 MS    | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-29967-2 MSD   | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |

## Analysis Batch: 110497

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method        | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 880-29967-1   | MW-1             | Total/NA  | Water  | SM 4500 CO2 D |            |
| 880-29967-2   | MW-2             | Total/NA  | Water  | SM 4500 CO2 D |            |

Eurofins Midland

Lab Chronicle

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-29967-1

Client Sample ID: MW-1

Lab Sample ID: 880-29967-1

Date Collected: 06/23/23 10:20

Matrix: Water

Date Received: 06/23/23 14:54

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 109461       | AN      | EET HOU | 06/26/23 12:39       |
| Total/NA  | Analysis   | 8260C          |     | 1               | 109462       | AN      | EET HOU | 06/26/23 12:39       |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 101425       | CZT     | EET HOU | 06/26/23 13:18       |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 109819       | SAR     | EET HOU | 06/27/23 14:20       |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 109727       | T1S     | EET HOU | 06/28/23 03:55       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 109419       | WP      | EET HOU | 06/24/23 17:48       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 109420       | WP      | EET HOU | 06/24/23 17:48       |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 109600       | TL      | EET HOU | 06/26/23 14:07       |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 110497       | MC      | EET HOU | 06/30/23 15:04       |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 109736       | TL      | EET HOU | 06/26/23 19:08       |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 109840       | SCI     | EET HOU | 06/27/23 15:56       |

Client Sample ID: MW-2

Lab Sample ID: 880-29967-2

Date Collected: 06/23/23 11:15

Matrix: Water

Date Received: 06/23/23 14:54

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 109461       | AN      | EET HOU | 06/26/23 13:17       |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 101425       | CZT     | EET HOU | 06/26/23 13:18       |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 109819       | SAR     | EET HOU | 06/27/23 14:20       |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 109727       | T1S     | EET HOU | 06/28/23 04:14       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 109419       | WP      | EET HOU | 06/24/23 18:06       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 109420       | WP      | EET HOU | 06/24/23 18:06       |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 109600       | TL      | EET HOU | 06/26/23 14:19       |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 110497       | MC      | EET HOU | 06/30/23 15:04       |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 109736       | TL      | EET HOU | 06/26/23 19:11       |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 109840       | SCI     | EET HOU | 06/27/23 15:56       |

Laboratory References:

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



Accreditation/Certification Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29967-1

Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-23-50      | 06-30-23        |

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

| Analysis Method | Prep Method    | Matrix | Analyte                              |
|-----------------|----------------|--------|--------------------------------------|
| 8015 NM         |                | Water  | Total TPH                            |
| 8015B NM        | 8015NM Aq Prep | Water  | Diesel Range Organics (Over C10-C28) |
| 8015B NM        | 8015NM Aq Prep | Water  | Gasoline Range Organics (GRO)-C6-C10 |
| 8015B NM        | 8015NM Aq Prep | Water  | Oil Range Organics (Over C28-C36)    |
| SM 2320B        |                | Water  | Bicarbonate Alkalinity as CaCO3      |
| SM 2320B        |                | Water  | Carbonate Alkalinity as CaCO3        |
| SM 4500 CO2 D   |                | Water  | Carbon dioxide                       |
| SM 4500 CO2 D   |                | Water  | Carbon Dioxide, Free                 |
| SM 4500 H+ B    |                | Water  | Temperature                          |

Method Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29967-1

| Method         | Method Description                                    | Protocol | Laboratory |
|----------------|-------------------------------------------------------|----------|------------|
| 8260C          | Volatile Organic Compounds by GC/MS                   | SW846    | EET HOU    |
| 8015 NM        | Diesel Range Organics (DRO) (GC)                      | SW846    | EET HOU    |
| 8015B NM       | Diesel Range Organics (DRO) (GC)                      | SW846    | EET HOU    |
| 300.0          | Anions, Ion Chromatography                            | EPA      | EET HOU    |
| SM 2320B       | Alkalinity                                            | SM       | EET HOU    |
| SM 4500 CO2 D  | Carbon Dioxide and Forms of Alkalinity by Calculation | SM       | EET HOU    |
| SM 4500 H+ B   | pH                                                    | SM       | EET HOU    |
| SM 4500 S2 F   | Sulfide, Total                                        | SM       | EET HOU    |
| 5030C          | Purge and Trap                                        | SW846    | EET HOU    |
| 8015NM Aq Prep | Microextraction                                       | SW846    | EET HOU    |

**Protocol References:**

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

**Laboratory References:**

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

Sample Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-29967-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-29967-1   | MW-1             | Water  | 06/23/23 10:20 | 06/23/23 14:54 |
| 880-29967-2   | MW-2             | Water  | 06/23/23 11:15 | 06/23/23 14:54 |

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



## Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334  
Midland TX (432-704-5440) EL Paso TX (915)555-3443 Lubbock TX (806)794-1296  
Phoenix, AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813)-392-7550  
Hobbs NM (575-392-7550)

Work Order No: 29967

www.xenco.com Page 1 of 1

|                 |                     |                        |                       |
|-----------------|---------------------|------------------------|-----------------------|
| Project Manager | Beaux Jennings      | Bill to (if different) |                       |
| Company Name    | Ensolum LLC         | Company Name           |                       |
| Address         | 601 Marrenfeld #400 | Address                |                       |
| City, State ZIP | Midland TX 79701    | City, State ZIP        |                       |
| Phone           | 432-230-3344        | Email                  | bjennings@ensolum.com |

| Work Order Comments                                                                                                                                                                                                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Program:</b> <b>UST/PST</b> <input type="checkbox"/> <b>PRP</b> <input type="checkbox"/> <b>Brownfields</b> <input type="checkbox"/> <b>RRC</b> <input type="checkbox"/> <b>Superfund</b> <input type="checkbox"/> |  |
| <b>State of Project:</b>                                                                                                                                                                                              |  |
| <b>Reporting Level II</b> <input type="checkbox"/> <b>Level III</b> <input type="checkbox"/> <b>PST/UST</b> <input type="checkbox"/> <b>TRRP</b> <input type="checkbox"/> <b>Level IV</b> <input type="checkbox"/>    |  |
| <b>Deliverables</b> <b>EDD</b> <input type="checkbox"/> <b>Adapt</b> <input type="checkbox"/> <b>Other</b> <input type="checkbox"/>                                                                                   |  |

|                |              |                                  |
|----------------|--------------|----------------------------------|
| Project Name   | South Hobbs  | Turn Around                      |
| Project Number | 03B1417002   | Routine <input type="checkbox"/> |
| P.O. Number:   | 03B1417002   | Rush 24 Hr                       |
| Sampler's Name | Shane Diller | Due Date                         |

| SAMPLE RECEIPT        |          | Temp Blank         | Yes | No | Wet Ice | Yes | No |
|-----------------------|----------|--------------------|-----|----|---------|-----|----|
| Temperature (°C).     | 1.3/1.0  |                    |     |    |         |     |    |
| Received Intact.      | (Yes) No |                    |     |    |         |     |    |
| Cooler Custody Seals. | Yes No   |                    |     |    |         |     |    |
| Sample Custody Seals. | Yes No   |                    |     |    |         |     |    |
|                       |          | Thermometer ID     |     |    |         |     |    |
|                       |          | Correction Factor: |     |    |         |     |    |
|                       |          | Total Containers   |     |    |         |     |    |

| ANALYSIS REQUEST                  |  | Work Order Notes                                              |
|-----------------------------------|--|---------------------------------------------------------------|
| Number of Containers              |  | TAT starts the day received by the lab, if received by 4:30pm |
| Reduced Carbon Dioxide 4500 CO2 c |  |                                                               |
| Reduced Sulfide SW-846 #376.2     |  |                                                               |
| V-846 #8260                       |  |                                                               |
| A Method #8015                    |  |                                                               |
| EPA Method #846 300               |  |                                                               |
| SW-846 Method 150.1               |  |                                                               |
|                                   |  |                                                               |
|                                   |  |                                                               |
|                                   |  |                                                               |

[illegible]

880-29967 Chain of Custody



**Total 200.7 / 6010      200.8 / 6020:**

[illegible]

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated with Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated with Xenco.

| Relinquished by (Signature)                                                       | Received by (Signature)                                                           | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-----------------------------|-------------------------|-----------|
|  |  | 6/23/23   |                             |                         |           |
|                                                                                   |                                                                                   | 1454      |                             |                         |           |
|                                                                                   |                                                                                   |           |                             |                         |           |
|                                                                                   |                                                                                   |           |                             |                         |           |
|                                                                                   |                                                                                   |           |                             |                         |           |



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29967-1

Login Number: 29967

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-29967-1

Login Number: 29967

List Number: 2

Creator: Pena, Jesiel

List Source: Eurofins Houston

List Creation: 06/24/23 01:34 PM

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



Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Beaux Jennings  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 6/30/2023 4:34:09 PM

## JOB DESCRIPTION

South Hobbs - 03B1417002  
South Hobbs

## JOB NUMBER

880-30041-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
6/30/2023 4:34:09 PM

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

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Laboratory Job ID: 880-30041-1

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 6  |
| Client Sample Results . . . . .  | 7  |
| Surrogate Summary . . . . .      | 12 |
| QC Sample Results . . . . .      | 13 |
| QC Association Summary . . . . . | 21 |
| Lab Chronicle . . . . .          | 23 |
| Certification Summary . . . . .  | 24 |
| Method Summary . . . . .         | 25 |
| Sample Summary . . . . .         | 26 |
| Chain of Custody . . . . .       | 27 |
| Receipt Checklists . . . . .     | 28 |

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

## Definitions/Glossary

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Qualifiers

## GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| H         | Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.  |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

## General Chemistry

| Qualifier | Qualifier Description                                                                                |
|-----------|------------------------------------------------------------------------------------------------------|
| HF        | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| U         | Indicates the analyte was analyzed for but not detected.                                             |

## Glossary

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

Eurofins Midland

Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|-----------------------------------------------------------------------------|
| TNTC         | Too Numerous To Count                                                       |

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

## Case Narrative

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

**Job ID: 880-30041-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-30041-1****Receipt**

The samples were received on 6/27/2023 10:13 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C

**GC/MS VOA**

Method 8260C: The continuing calibration verification (CCV) associated with batch 860-109976 recovered above the upper control limit for 1,2,4-Trichlorobenzene and Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 860-109976/2).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 860-109976 recovered outside control limits for the following analytes: 1,2,3-Trichlorobenzene, Naphthalene and 1,2-Dibromo-3-Chloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

**GC Semi VOA**

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

**HPLC/IC**

Method 300\_ORGFM\_28D: The instrument blank/CCB for analytical batch 860-109981 contained Chloride greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been qualified and reported.

Method 300\_ORGFMS: The following sample(s) was received with less than 1 hour remaining on the holding time. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-2 (880-30041-2).

Method 300\_ORGFMS: The method blank for analytical batch 860-109982 contained Nitrite as N above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

**General Chemistry**

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



## Client Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-30041-1

Date Collected: 06/26/23 10:50

Matrix: Water

Date Received: 06/27/23 10:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U         | 0.00100 | 0.000460 mg/L |   |          | 06/28/23 18:55 | 1       |
| Bromobenzene                  | <0.000665 | U         | 0.00100 | 0.000665 mg/L |   |          | 06/28/23 18:55 | 1       |
| Bromochloromethane            | <0.000657 | U         | 0.00100 | 0.000657 mg/L |   |          | 06/28/23 18:55 | 1       |
| Bromodichloromethane          | <0.000552 | U         | 0.00100 | 0.000552 mg/L |   |          | 06/28/23 18:55 | 1       |
| Bromoform                     | <0.000633 | U         | 0.00500 | 0.000633 mg/L |   |          | 06/28/23 18:55 | 1       |
| Bromomethane                  | <0.00142  | U         | 0.00500 | 0.00142 mg/L  |   |          | 06/28/23 18:55 | 1       |
| 2-Butanone                    | <0.00828  | U         | 0.0500  | 0.00828 mg/L  |   |          | 06/28/23 18:55 | 1       |
| Carbon tetrachloride          | <0.000896 | U         | 0.00500 | 0.000896 mg/L |   |          | 06/28/23 18:55 | 1       |
| Chlorobenzene                 | <0.000530 | U         | 0.00100 | 0.000530 mg/L |   |          | 06/28/23 18:55 | 1       |
| Chloroethane                  | <0.00198  | U         | 0.0100  | 0.00198 mg/L  |   |          | 06/28/23 18:55 | 1       |
| Chloroform                    | <0.000643 | U         | 0.00100 | 0.000643 mg/L |   |          | 06/28/23 18:55 | 1       |
| Chloromethane                 | <0.00204  | U         | 0.0100  | 0.00204 mg/L  |   |          | 06/28/23 18:55 | 1       |
| 2-Chlorotoluene               | <0.00118  | U         | 0.00200 | 0.00118 mg/L  |   |          | 06/28/23 18:55 | 1       |
| 4-Chlorotoluene               | <0.000472 | U         | 0.00100 | 0.000472 mg/L |   |          | 06/28/23 18:55 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U         | 0.00100 | 0.000714 mg/L |   |          | 06/28/23 18:55 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U         | 0.00500 | 0.00107 mg/L  |   |          | 06/28/23 18:55 | 1       |
| Dibromochloromethane          | <0.000547 | U         | 0.00500 | 0.000547 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U *       | 0.00500 | 0.00127 mg/L  |   |          | 06/28/23 18:55 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U         | 0.00500 | 0.000999 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U         | 0.00100 | 0.000509 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 18:55 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U         | 0.00100 | 0.000635 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U         | 0.00100 | 0.000590 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U         | 0.00100 | 0.000738 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U         | 0.00500 | 0.000667 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U         | 0.00500 | 0.000514 mg/L |   |          | 06/28/23 18:55 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U         | 0.00500 | 0.000780 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U         | 0.00500 | 0.00160 mg/L  |   |          | 06/28/23 18:55 | 1       |
| Ethylbenzene                  | <0.000411 | U         | 0.00100 | 0.000411 mg/L |   |          | 06/28/23 18:55 | 1       |
| Hexachlorobutadiene           | <0.00126  | U         | 0.00500 | 0.00126 mg/L  |   |          | 06/28/23 18:55 | 1       |
| Isopropylbenzene              | <0.000613 | U         | 0.00100 | 0.000613 mg/L |   |          | 06/28/23 18:55 | 1       |
| Methylene Chloride            | <0.00173  | U         | 0.00500 | 0.00173 mg/L  |   |          | 06/28/23 18:55 | 1       |
| m,p-Xylenes                   | <0.00124  | U         | 0.0100  | 0.00124 mg/L  |   |          | 06/28/23 18:55 | 1       |
| MTBE                          | <0.00139  | U         | 0.00500 | 0.00139 mg/L  |   |          | 06/28/23 18:55 | 1       |
| Naphthalene                   | <0.00135  | U *       | 0.0100  | 0.00135 mg/L  |   |          | 06/28/23 18:55 | 1       |
| n-Butylbenzene                | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 18:55 | 1       |
| N-Propylbenzene               | <0.000498 | U         | 0.00100 | 0.000498 mg/L |   |          | 06/28/23 18:55 | 1       |
| o-Xylene                      | <0.000551 | U         | 0.00100 | 0.000551 mg/L |   |          | 06/28/23 18:55 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 18:55 | 1       |
| sec-Butylbenzene              | <0.000468 | U         | 0.00100 | 0.000468 mg/L |   |          | 06/28/23 18:55 | 1       |
| Styrene                       | <0.000655 | U         | 0.00100 | 0.000655 mg/L |   |          | 06/28/23 18:55 | 1       |
| tert-Butylbenzene             | <0.000442 | U         | 0.00100 | 0.000442 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 18:55 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U         | 0.00100 | 0.000470 mg/L |   |          | 06/28/23 18:55 | 1       |
| Tetrachloroethene             | <0.000801 | U         | 0.00100 | 0.000801 mg/L |   |          | 06/28/23 18:55 | 1       |
| Toluene                       | <0.000475 | U         | 0.00100 | 0.000475 mg/L |   |          | 06/28/23 18:55 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 | U         | 0.00100 | 0.000945 mg/L |   |          | 06/28/23 18:55 | 1       |

Eurofins Midland

Client Sample Results

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

Client Sample ID: MW-1

Lab Sample ID: 880-30041-1

Date Collected: 06/26/23 10:50

Matrix: Water

Date Received: 06/27/23 10:13

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                      | Result    | Qualifier | RL       | Unit     | D    | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|------|----------|----------------|---------|
| trans-1,3-Dichloropropene    | <0.00127  | U         | 0.00500  | 0.00127  | mg/L |          | 06/28/23 18:55 | 1       |
| 1,2,3-Trichlorobenzene       | <0.00217  | U **      | 0.00500  | 0.00217  | mg/L |          | 06/28/23 18:55 | 1       |
| 1,2,4-Trichlorobenzene       | <0.00175  | U         | 0.00500  | 0.00175  | mg/L |          | 06/28/23 18:55 | 1       |
| 1,1,1-Trichloroethane        | <0.00169  | U         | 0.00500  | 0.00169  | mg/L |          | 06/28/23 18:55 | 1       |
| 1,1,2-Trichloroethane        | <0.000511 | U         | 0.00100  | 0.000511 | mg/L |          | 06/28/23 18:55 | 1       |
| Trichloroethene              | <0.000791 | U         | 0.00500  | 0.000791 | mg/L |          | 06/28/23 18:55 | 1       |
| Trichlorofluoromethane       | <0.000638 | U         | 0.00100  | 0.000638 | mg/L |          | 06/28/23 18:55 | 1       |
| 1,2,3-Trichloropropane       | <0.000490 | U         | 0.00100  | 0.000490 | mg/L |          | 06/28/23 18:55 | 1       |
| 1,2,4-Trimethylbenzene       | <0.000417 | U         | 0.00100  | 0.000417 | mg/L |          | 06/28/23 18:55 | 1       |
| 1,3,5-Trimethylbenzene       | <0.000456 | U         | 0.00100  | 0.000456 | mg/L |          | 06/28/23 18:55 | 1       |
| Vinyl chloride               | <0.000638 | U         | 0.00200  | 0.000638 | mg/L |          | 06/28/23 18:55 | 1       |
| Xylenes, Total               | <0.00124  | U         | 0.0100   | 0.00124  | mg/L |          | 06/28/23 18:55 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |          |      | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 74 - 124 |          |      |          | 06/28/23 18:55 | 1       |
| Dibromofluoromethane (Surr)  | 102       |           | 75 - 131 |          |      |          | 06/28/23 18:55 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 63 - 144 |          |      |          | 06/28/23 18:55 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          |      |          | 06/28/23 18:55 | 1       |

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D    | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|------|----------|----------------|---------|
| Total TPH | <0.920 | U         | 4.66 | 0.920 | mg/L |          | 06/30/23 17:25 | 1       |

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D    | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|------|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.920    | U         | 4.66     | 0.920 | mg/L | 06/30/23 09:40 | 06/30/23 13:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.920    | U         | 4.66     | 0.920 | mg/L | 06/30/23 09:40 | 06/30/23 13:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.888    | U         | 4.66     | 0.888 | mg/L | 06/30/23 09:40 | 06/30/23 13:37 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |      | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 88        |           | 70 - 135 |       |      | 06/30/23 09:40 | 06/30/23 13:37 | 1       |
| o-Terphenyl                          | 94        |           | 70 - 135 |       |      | 06/30/23 09:40 | 06/30/23 13:37 | 1       |

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit   | D    | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|--------|------|----------|----------------|---------|
| Chloride     | 94.3   |           | 0.500 | 0.250  | mg/L |          | 06/28/23 11:07 | 1       |
| Nitrate as N | 0.0804 | J         | 0.100 | 0.0391 | mg/L |          | 06/28/23 11:07 | 1       |
| Fluoride     | 0.347  | J         | 0.500 | 0.100  | mg/L |          | 06/28/23 11:07 | 1       |
| Nitrite as N | 2.38   | B         | 0.100 | 0.0293 | mg/L |          | 06/28/23 11:07 | 1       |
| Sulfate      | 35.8   |           | 0.500 | 0.200  | mg/L |          | 06/28/23 11:07 | 1       |

General Chemistry

| Analyte                                    | Result | Qualifier | RL   | Unit | D    | Prepared | Analyzed       | Dil Fac |
|--------------------------------------------|--------|-----------|------|------|------|----------|----------------|---------|
| Alkalinity (SM 2320B)                      | 738    |           | 4.00 | 4.00 | mg/L |          | 06/29/23 14:23 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 738    |           | 4.00 | 4.00 | mg/L |          | 06/29/23 14:23 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)   | <4.00  | U         | 4.00 | 4.00 | mg/L |          | 06/29/23 14:23 | 1       |
| Carbon dioxide (SM 4500 CO2 D)             | 835    |           |      | mg/L |      |          | 06/30/23 15:04 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Client Sample ID: MW-1

Lab Sample ID: 880-30041-1

Date Collected: 06/26/23 10:50

Matrix: Water

Date Received: 06/27/23 10:13

## General Chemistry (Continued)

| Analyte                              | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------------|---|----------|----------------|---------|
| Carbon Dioxide, Free (SM 4500 CO2 D) | 186    |           |      | mg/L       |   |          | 06/30/23 15:04 | 1       |
| pH (SM 4500 H+ B)                    | 6.9    | HF        |      | SU         |   |          | 06/28/23 15:38 | 1       |
| Temperature (SM 4500 H+ B)           | 20.3   | HF        |      | Degrees C  |   |          | 06/28/23 15:38 | 1       |
| Sulfide (SM 4500 S2 F)               | <0.495 | U         | 5.00 | 0.495 mg/L |   |          | 06/29/23 15:54 | 1       |

## Client Sample ID: MW-2

Lab Sample ID: 880-30041-2

Date Collected: 06/26/23 09:30

Matrix: Water

Date Received: 06/27/23 10:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte                     | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                     | 0.0161    |           | 0.00100 | 0.000460 mg/L |   |          | 06/28/23 19:16 | 1       |
| Bromobenzene                | <0.000665 | U         | 0.00100 | 0.000665 mg/L |   |          | 06/28/23 19:16 | 1       |
| Bromochloromethane          | <0.000657 | U         | 0.00100 | 0.000657 mg/L |   |          | 06/28/23 19:16 | 1       |
| Bromodichloromethane        | <0.000552 | U         | 0.00100 | 0.000552 mg/L |   |          | 06/28/23 19:16 | 1       |
| Bromoform                   | <0.000633 | U         | 0.00500 | 0.000633 mg/L |   |          | 06/28/23 19:16 | 1       |
| Bromomethane                | <0.00142  | U         | 0.00500 | 0.00142 mg/L  |   |          | 06/28/23 19:16 | 1       |
| 2-Butanone                  | <0.00828  | U         | 0.0500  | 0.00828 mg/L  |   |          | 06/28/23 19:16 | 1       |
| Carbon tetrachloride        | <0.000896 | U         | 0.00500 | 0.000896 mg/L |   |          | 06/28/23 19:16 | 1       |
| Chlorobenzene               | <0.000530 | U         | 0.00100 | 0.000530 mg/L |   |          | 06/28/23 19:16 | 1       |
| Chloroethane                | <0.00198  | U         | 0.0100  | 0.00198 mg/L  |   |          | 06/28/23 19:16 | 1       |
| Chloroform                  | <0.000643 | U         | 0.00100 | 0.000643 mg/L |   |          | 06/28/23 19:16 | 1       |
| Chloromethane               | <0.00204  | U         | 0.0100  | 0.00204 mg/L  |   |          | 06/28/23 19:16 | 1       |
| 2-Chlorotoluene             | <0.00118  | U         | 0.00200 | 0.00118 mg/L  |   |          | 06/28/23 19:16 | 1       |
| 4-Chlorotoluene             | <0.000472 | U         | 0.00100 | 0.000472 mg/L |   |          | 06/28/23 19:16 | 1       |
| cis-1,2-Dichloroethene      | <0.000714 | U         | 0.00100 | 0.000714 mg/L |   |          | 06/28/23 19:16 | 1       |
| cis-1,3-Dichloropropene     | <0.00107  | U         | 0.00500 | 0.00107 mg/L  |   |          | 06/28/23 19:16 | 1       |
| Dibromochloromethane        | <0.000547 | U         | 0.00500 | 0.000547 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.00127  | U *       | 0.00500 | 0.00127 mg/L  |   |          | 06/28/23 19:16 | 1       |
| 1,2-Dibromoethane           | <0.000999 | U         | 0.00500 | 0.000999 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,2-Dichlorobenzene         | <0.000509 | U         | 0.00100 | 0.000509 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,3-Dichlorobenzene         | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,4-Dichlorobenzene         | <0.000513 | U         | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 19:16 | 1       |
| Dichlorodifluoromethane     | <0.000919 | U         | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,1-Dichloroethane          | <0.000635 | U         | 0.00100 | 0.000635 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,2-Dichloroethane          | <0.000590 | U         | 0.00100 | 0.000590 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,1-Dichloroethene          | <0.000738 | U         | 0.00100 | 0.000738 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,2-Dichloropropane         | <0.000667 | U         | 0.00500 | 0.000667 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,3-Dichloropropane         | <0.000514 | U         | 0.00500 | 0.000514 mg/L |   |          | 06/28/23 19:16 | 1       |
| 2,2-Dichloropropane         | <0.000780 | U         | 0.00500 | 0.000780 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,1-Dichloropropene         | <0.00160  | U         | 0.00500 | 0.00160 mg/L  |   |          | 06/28/23 19:16 | 1       |
| Ethylbenzene                | 0.0163    |           | 0.00100 | 0.000411 mg/L |   |          | 06/28/23 19:16 | 1       |
| Hexachlorobutadiene         | <0.00126  | U         | 0.00500 | 0.00126 mg/L  |   |          | 06/28/23 19:16 | 1       |
| Isopropylbenzene            | 0.00672   |           | 0.00100 | 0.000613 mg/L |   |          | 06/28/23 19:16 | 1       |
| Methylene Chloride          | <0.00173  | U         | 0.00500 | 0.00173 mg/L  |   |          | 06/28/23 19:16 | 1       |
| m,p-Xylenes                 | 0.0553    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/28/23 19:16 | 1       |
| MTBE                        | <0.00139  | U         | 0.00500 | 0.00139 mg/L  |   |          | 06/28/23 19:16 | 1       |
| Naphthalene                 | <0.00135  | U *       | 0.0100  | 0.00135 mg/L  |   |          | 06/28/23 19:16 | 1       |
| n-Butylbenzene              | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 19:16 | 1       |

Eurofins Midland

## Client Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-2

Lab Sample ID: 880-30041-2

Date Collected: 06/26/23 09:30

Matrix: Water

Date Received: 06/27/23 10:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| N-Propylbenzene               | 0.00234   |           | 0.00100 | 0.000498 mg/L |   |          | 06/28/23 19:16 | 1       |
| o-Xylene                      | 0.0148    |           | 0.00100 | 0.000551 mg/L |   |          | 06/28/23 19:16 | 1       |
| p-Cymene (p-Isopropyltoluene) | 0.000958  | J         | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 19:16 | 1       |
| sec-Butylbenzene              | 0.00105   |           | 0.00100 | 0.000468 mg/L |   |          | 06/28/23 19:16 | 1       |
| Styrene                       | <0.000655 | U         | 0.00100 | 0.000655 mg/L |   |          | 06/28/23 19:16 | 1       |
| tert-Butylbenzene             | <0.000442 | U         | 0.00100 | 0.000442 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U         | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U         | 0.00100 | 0.000470 mg/L |   |          | 06/28/23 19:16 | 1       |
| Tetrachloroethene             | <0.000801 | U         | 0.00100 | 0.000801 mg/L |   |          | 06/28/23 19:16 | 1       |
| Toluene                       | 0.00327   |           | 0.00100 | 0.000475 mg/L |   |          | 06/28/23 19:16 | 1       |
| trans-1,2-Dichloroethene      | <0.000945 | U         | 0.00100 | 0.000945 mg/L |   |          | 06/28/23 19:16 | 1       |
| trans-1,3-Dichloropropene     | <0.00127  | U         | 0.00500 | 0.00127 mg/L  |   |          | 06/28/23 19:16 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00217  | U *       | 0.00500 | 0.00217 mg/L  |   |          | 06/28/23 19:16 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00175  | U         | 0.00500 | 0.00175 mg/L  |   |          | 06/28/23 19:16 | 1       |
| 1,1,1-Trichloroethane         | <0.00169  | U         | 0.00500 | 0.00169 mg/L  |   |          | 06/28/23 19:16 | 1       |
| 1,1,2-Trichloroethane         | <0.000511 | U         | 0.00100 | 0.000511 mg/L |   |          | 06/28/23 19:16 | 1       |
| Trichloroethene               | <0.000791 | U         | 0.00500 | 0.000791 mg/L |   |          | 06/28/23 19:16 | 1       |
| Trichlorofluoromethane        | <0.000638 | U         | 0.00100 | 0.000638 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,2,3-Trichloropropane        | <0.000490 | U         | 0.00100 | 0.000490 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,2,4-Trimethylbenzene        | 0.0330    |           | 0.00100 | 0.000417 mg/L |   |          | 06/28/23 19:16 | 1       |
| 1,3,5-Trimethylbenzene        | 0.00840   |           | 0.00100 | 0.000456 mg/L |   |          | 06/28/23 19:16 | 1       |
| Vinyl chloride                | <0.000638 | U         | 0.00200 | 0.000638 mg/L |   |          | 06/28/23 19:16 | 1       |
| Xylenes, Total                | 0.0701    |           | 0.0100  | 0.00124 mg/L  |   |          | 06/28/23 19:16 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 99        |           | 74 - 124 |          | 06/28/23 19:16 | 1       |
| Dibromofluoromethane (Surr)  | 97        |           | 75 - 131 |          | 06/28/23 19:16 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 63 - 144 |          | 06/28/23 19:16 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 06/28/23 19:16 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | <0.929 | U         | 4.70 | 0.929 mg/L |   |          | 06/30/23 17:25 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.929 | U         | 4.70 | 0.929 mg/L |   | 06/30/23 09:40 | 06/30/23 14:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.929 | U         | 4.70 | 0.929 mg/L |   | 06/30/23 09:40 | 06/30/23 14:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.897 | U         | 4.70 | 0.897 mg/L |   | 06/30/23 09:40 | 06/30/23 14:00 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 71        |           | 70 - 135 | 06/30/23 09:40 | 06/30/23 14:00 | 1       |
| o-Terphenyl    | 75        |           | 70 - 135 | 06/30/23 09:40 | 06/30/23 14:00 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 76.0   |           | 0.500 | 0.250 mg/L  |   |          | 06/28/23 10:48 | 1       |
| Nitrate as N | 0.162  | H         | 0.100 | 0.0391 mg/L |   |          | 06/28/23 10:48 | 1       |
| Fluoride     | <0.100 | U         | 0.500 | 0.100 mg/L  |   |          | 06/28/23 10:48 | 1       |

Eurofins Midland

Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

Client Sample ID: MW-2  
Date Collected: 06/26/23 09:30  
Date Received: 06/27/23 10:13

Lab Sample ID: 880-30041-2  
Matrix: Water

| Method: EPA 300.0 - Anions, Ion Chromatography (Continued) |        |           |       |        |      |   |          |                |         |
|------------------------------------------------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Analyte                                                    | Result | Qualifier | RL    |        | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrite as N                                               | 6.73   | H B       | 0.100 | 0.0293 | mg/L |   |          | 06/28/23 10:48 | 1       |
| Sulfate                                                    | 90.5   |           | 0.500 | 0.200  | mg/L |   |          | 06/28/23 10:48 | 1       |

| General Chemistry                          |        |           |      |       |           |   |          |                |         |
|--------------------------------------------|--------|-----------|------|-------|-----------|---|----------|----------------|---------|
| Analyte                                    | Result | Qualifier | RL   |       | Unit      | D | Prepared | Analyzed       | Dil Fac |
| Alkalinity (SM 2320B)                      | 1340   |           | 4.00 | 4.00  | mg/L      |   |          | 06/29/23 14:40 | 1       |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 1340   |           | 4.00 | 4.00  | mg/L      |   |          | 06/29/23 14:40 | 1       |
| Carbonate Alkalinity as CaCO3 (SM 2320B)   | <4.00  | U         | 4.00 | 4.00  | mg/L      |   |          | 06/29/23 14:40 | 1       |
| Carbon dioxide (SM 4500 CO2 D)             | 2250   |           |      |       | mg/L      |   |          | 06/30/23 15:04 | 1       |
| Carbon Dioxide, Free (SM 4500 CO2 D)       | 1070   |           |      |       | mg/L      |   |          | 06/30/23 15:04 | 1       |
| pH (SM 4500 H+ B)                          | 6.4    | HF        |      |       | SU        |   |          | 06/28/23 15:41 | 1       |
| Temperature (SM 4500 H+ B)                 | 20.6   | HF        |      |       | Degrees C |   |          | 06/28/23 15:41 | 1       |
| Sulfide (SM 4500 S2 F)                     | <0.495 | U         | 5.00 | 0.495 | mg/L      |   |          | 06/29/23 15:54 | 1       |

## Surrogate Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID     | Client Sample ID       | BFB<br>(74-124) | DBFM<br>(75-131) | DCA<br>(63-144) | TOL<br>(80-120) |
|-------------------|------------------------|-----------------|------------------|-----------------|-----------------|
| 880-30041-1       | MW-1                   | 102             | 102              | 106             | 102             |
| 880-30041-2       | MW-2                   | 99              | 97               | 101             | 103             |
| LCS 860-109976/3  | Lab Control Sample     | 101             | 101              | 101             | 101             |
| LCSD 860-109976/4 | Lab Control Sample Dup | 103             | 108              | 100             | 102             |
| MB 860-109976/10  | Method Blank           | 102             | 102              | 103             | 102             |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | 1CO1<br>(70-135) | OTPH1<br>(70-135) |
|---------------------|------------------------|------------------|-------------------|
| 880-30041-1         | MW-1                   | 88               | 94                |
| 880-30041-2         | MW-2                   | 71               | 75                |
| LCS 860-110412/2-A  | Lab Control Sample     | 101              | 117               |
| LCSD 860-110412/3-A | Lab Control Sample Dup | 102              | 118               |
| MB 860-110412/1-A   | Method Blank           | 105              | 109               |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## QC Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-109976/10

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000460 | U            | 0.00100 | 0.000460 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromobenzene                  | <0.000665 | U            | 0.00100 | 0.000665 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromochloromethane            | <0.000657 | U            | 0.00100 | 0.000657 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromodichloromethane          | <0.000552 | U            | 0.00100 | 0.000552 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromoform                     | <0.000633 | U            | 0.00500 | 0.000633 mg/L |   |          | 06/28/23 16:04 | 1       |
| Bromomethane                  | <0.00142  | U            | 0.00500 | 0.00142 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 2-Butanone                    | <0.00828  | U            | 0.0500  | 0.00828 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Carbon tetrachloride          | <0.000896 | U            | 0.00500 | 0.000896 mg/L |   |          | 06/28/23 16:04 | 1       |
| Chlorobenzene                 | <0.000530 | U            | 0.00100 | 0.000530 mg/L |   |          | 06/28/23 16:04 | 1       |
| Chloroethane                  | <0.00198  | U            | 0.0100  | 0.00198 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Chloroform                    | <0.000643 | U            | 0.00100 | 0.000643 mg/L |   |          | 06/28/23 16:04 | 1       |
| Chloromethane                 | <0.00204  | U            | 0.0100  | 0.00204 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 2-Chlorotoluene               | <0.00118  | U            | 0.00200 | 0.00118 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 4-Chlorotoluene               | <0.000472 | U            | 0.00100 | 0.000472 mg/L |   |          | 06/28/23 16:04 | 1       |
| cis-1,2-Dichloroethene        | <0.000714 | U            | 0.00100 | 0.000714 mg/L |   |          | 06/28/23 16:04 | 1       |
| cis-1,3-Dichloropropene       | <0.00107  | U            | 0.00500 | 0.00107 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Dibromochloromethane          | <0.000547 | U            | 0.00500 | 0.000547 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dibromoethane             | <0.000999 | U            | 0.00500 | 0.000999 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dichlorobenzene           | <0.000509 | U            | 0.00100 | 0.000509 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,3-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,4-Dichlorobenzene           | <0.000513 | U            | 0.00100 | 0.000513 mg/L |   |          | 06/28/23 16:04 | 1       |
| Dichlorodifluoromethane       | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1-Dichloroethane            | <0.000635 | U            | 0.00100 | 0.000635 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dichloroethane            | <0.000590 | U            | 0.00100 | 0.000590 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1-Dichloroethene            | <0.000738 | U            | 0.00100 | 0.000738 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2-Dichloropropane           | <0.000667 | U            | 0.00500 | 0.000667 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,3-Dichloropropane           | <0.000514 | U            | 0.00500 | 0.000514 mg/L |   |          | 06/28/23 16:04 | 1       |
| 2,2-Dichloropropane           | <0.000780 | U            | 0.00500 | 0.000780 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1-Dichloropropene           | <0.00160  | U            | 0.00500 | 0.00160 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Ethylbenzene                  | <0.000411 | U            | 0.00100 | 0.000411 mg/L |   |          | 06/28/23 16:04 | 1       |
| Hexachlorobutadiene           | <0.00126  | U            | 0.00500 | 0.00126 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Isopropylbenzene              | <0.000613 | U            | 0.00100 | 0.000613 mg/L |   |          | 06/28/23 16:04 | 1       |
| Methylene Chloride            | <0.00173  | U            | 0.00500 | 0.00173 mg/L  |   |          | 06/28/23 16:04 | 1       |
| m,p-Xylenes                   | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/28/23 16:04 | 1       |
| MTBE                          | <0.00139  | U            | 0.00500 | 0.00139 mg/L  |   |          | 06/28/23 16:04 | 1       |
| Naphthalene                   | <0.00135  | U            | 0.0100  | 0.00135 mg/L  |   |          | 06/28/23 16:04 | 1       |
| n-Butylbenzene                | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 16:04 | 1       |
| N-Propylbenzene               | <0.000498 | U            | 0.00100 | 0.000498 mg/L |   |          | 06/28/23 16:04 | 1       |
| o-Xylene                      | <0.000551 | U            | 0.00100 | 0.000551 mg/L |   |          | 06/28/23 16:04 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000919 | U            | 0.00100 | 0.000919 mg/L |   |          | 06/28/23 16:04 | 1       |
| sec-Butylbenzene              | <0.000468 | U            | 0.00100 | 0.000468 mg/L |   |          | 06/28/23 16:04 | 1       |
| Styrene                       | <0.000655 | U            | 0.00100 | 0.000655 mg/L |   |          | 06/28/23 16:04 | 1       |
| tert-Butylbenzene             | <0.000442 | U            | 0.00100 | 0.000442 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000644 | U            | 0.00100 | 0.000644 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000470 | U            | 0.00100 | 0.000470 mg/L |   |          | 06/28/23 16:04 | 1       |
| Tetrachloroethene             | <0.000801 | U            | 0.00100 | 0.000801 mg/L |   |          | 06/28/23 16:04 | 1       |
| Toluene                       | <0.000475 | U            | 0.00100 | 0.000475 mg/L |   |          | 06/28/23 16:04 | 1       |

Eurofins Midland



## QC Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-109976/10

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 109976

| Analyte                   | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.000945 | U            | 0.00100 | 0.000945 mg/L |   |          | 06/28/23 16:04 | 1       |
| trans-1,3-Dichloropropene | <0.00127  | U            | 0.00500 | 0.00127 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00217  | U            | 0.00500 | 0.00217 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00175  | U            | 0.00500 | 0.00175 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,1,1-Trichloroethane     | <0.00169  | U            | 0.00500 | 0.00169 mg/L  |   |          | 06/28/23 16:04 | 1       |
| 1,1,2-Trichloroethane     | <0.000511 | U            | 0.00100 | 0.000511 mg/L |   |          | 06/28/23 16:04 | 1       |
| Trichloroethene           | <0.000791 | U            | 0.00500 | 0.000791 mg/L |   |          | 06/28/23 16:04 | 1       |
| Trichlorofluoromethane    | <0.000638 | U            | 0.00100 | 0.000638 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2,3-Trichloropropane    | <0.000490 | U            | 0.00100 | 0.000490 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000417 | U            | 0.00100 | 0.000417 mg/L |   |          | 06/28/23 16:04 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000456 | U            | 0.00100 | 0.000456 mg/L |   |          | 06/28/23 16:04 | 1       |
| Vinyl chloride            | <0.000638 | U            | 0.00200 | 0.000638 mg/L |   |          | 06/28/23 16:04 | 1       |
| Xylenes, Total            | <0.00124  | U            | 0.0100  | 0.00124 mg/L  |   |          | 06/28/23 16:04 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 102          |              | 74 - 124 |          | 06/28/23 16:04 | 1       |
| Dibromofluoromethane (Surr)  | 102          |              | 75 - 131 |          | 06/28/23 16:04 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103          |              | 63 - 144 |          | 06/28/23 16:04 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 80 - 120 |          | 06/28/23 16:04 | 1       |

Lab Sample ID: LCS 860-109976/3

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 109976

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene                     | 0.0500      | 0.05460    |               | mg/L |   | 109  | 75 - 125    |
| Bromobenzene                | 0.0500      | 0.05549    |               | mg/L |   | 111  | 75 - 125    |
| Bromochloromethane          | 0.0500      | 0.05531    |               | mg/L |   | 111  | 60 - 140    |
| Bromodichloromethane        | 0.0500      | 0.05296    |               | mg/L |   | 106  | 75 - 125    |
| Bromoform                   | 0.0500      | 0.05464    |               | mg/L |   | 109  | 70 - 130    |
| Bromomethane                | 0.0500      | 0.04294    |               | mg/L |   | 86   | 60 - 140    |
| 2-Butanone                  | 0.250       | 0.2474     |               | mg/L |   | 99   | 60 - 140    |
| Carbon tetrachloride        | 0.0500      | 0.05286    |               | mg/L |   | 106  | 70 - 130    |
| Chlorobenzene               | 0.0500      | 0.05463    |               | mg/L |   | 109  | 65 - 135    |
| Chloroethane                | 0.0500      | 0.04538    |               | mg/L |   | 91   | 60 - 140    |
| Chloroform                  | 0.0500      | 0.05477    |               | mg/L |   | 110  | 70 - 121    |
| Chloromethane               | 0.0500      | 0.04533    |               | mg/L |   | 91   | 60 - 140    |
| 2-Chlorotoluene             | 0.0500      | 0.05698    |               | mg/L |   | 114  | 73 - 125    |
| 4-Chlorotoluene             | 0.0500      | 0.05513    |               | mg/L |   | 110  | 74 - 125    |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05433    |               | mg/L |   | 109  | 75 - 125    |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05481    |               | mg/L |   | 110  | 74 - 125    |
| Dibromochloromethane        | 0.0500      | 0.05288    |               | mg/L |   | 106  | 73 - 125    |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.06277    | *+            | mg/L |   | 126  | 59 - 125    |
| 1,2-Dibromoethane           | 0.0500      | 0.05397    |               | mg/L |   | 108  | 73 - 125    |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05700    |               | mg/L |   | 114  | 75 - 125    |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05776    |               | mg/L |   | 116  | 75 - 125    |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05641    |               | mg/L |   | 113  | 75 - 125    |
| Dichlorodifluoromethane     | 0.0500      | 0.04639    |               | mg/L |   | 93   | 50 - 150    |

Eurofins Midland



## QC Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-109976/3

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1-Dichloroethane            | 0.0500      | 0.05453    |               | mg/L |   | 109  | 70 - 130    |
| 1,2-Dichloroethane            | 0.0500      | 0.05505    |               | mg/L |   | 110  | 72 - 130    |
| 1,1-Dichloroethene            | 0.0500      | 0.05378    |               | mg/L |   | 108  | 50 - 150    |
| 1,2-Dichloropropane           | 0.0500      | 0.05480    |               | mg/L |   | 110  | 74 - 125    |
| 1,3-Dichloropropane           | 0.0500      | 0.05362    |               | mg/L |   | 107  | 75 - 125    |
| 2,2-Dichloropropane           | 0.0500      | 0.05192    |               | mg/L |   | 104  | 75 - 125    |
| 1,1-Dichloropropene           | 0.0500      | 0.05580    |               | mg/L |   | 112  | 75 - 125    |
| Ethylbenzene                  | 0.0500      | 0.05510    |               | mg/L |   | 110  | 75 - 125    |
| Hexachlorobutadiene           | 0.0500      | 0.05775    |               | mg/L |   | 115  | 75 - 125    |
| Isopropylbenzene              | 0.0500      | 0.05556    |               | mg/L |   | 111  | 75 - 125    |
| Methylene Chloride            | 0.0500      | 0.04973    |               | mg/L |   | 99   | 71 - 125    |
| m,p-Xylenes                   | 0.0500      | 0.05641    |               | mg/L |   | 113  | 75 - 125    |
| MTBE                          | 0.0500      | 0.05344    |               | mg/L |   | 107  | 65 - 135    |
| Naphthalene                   | 0.0500      | 0.07472    | *+            | mg/L |   | 149  | 70 - 130    |
| n-Butylbenzene                | 0.0500      | 0.05770    |               | mg/L |   | 115  | 75 - 125    |
| N-Propylbenzene               | 0.0500      | 0.05771    |               | mg/L |   | 115  | 75 - 125    |
| o-Xylene                      | 0.0500      | 0.05556    |               | mg/L |   | 111  | 75 - 125    |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05786    |               | mg/L |   | 116  | 75 - 125    |
| sec-Butylbenzene              | 0.0500      | 0.05700    |               | mg/L |   | 114  | 75 - 125    |
| Styrene                       | 0.0500      | 0.05677    |               | mg/L |   | 114  | 75 - 125    |
| tert-Butylbenzene             | 0.0500      | 0.05705    |               | mg/L |   | 114  | 75 - 125    |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05415    |               | mg/L |   | 108  | 72 - 125    |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05657    |               | mg/L |   | 113  | 74 - 125    |
| Tetrachloroethene             | 0.0500      | 0.05485    |               | mg/L |   | 110  | 71 - 125    |
| Toluene                       | 0.0500      | 0.05383    |               | mg/L |   | 108  | 70 - 130    |
| trans-1,2-Dichloroethene      | 0.0500      | 0.05401    |               | mg/L |   | 108  | 75 - 125    |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05447    |               | mg/L |   | 109  | 66 - 125    |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.07036    | *+            | mg/L |   | 141  | 75 - 137    |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.06448    |               | mg/L |   | 129  | 75 - 135    |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05381    |               | mg/L |   | 108  | 70 - 130    |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05342    |               | mg/L |   | 107  | 70 - 130    |
| Trichloroethene               | 0.0500      | 0.05391    |               | mg/L |   | 108  | 75 - 135    |
| Trichlorofluoromethane        | 0.0500      | 0.04854    |               | mg/L |   | 97   | 60 - 140    |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05635    |               | mg/L |   | 113  | 75 - 125    |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05785    |               | mg/L |   | 116  | 75 - 125    |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05654    |               | mg/L |   | 113  | 60 - 140    |
| Vinyl chloride                | 0.0500      | 0.04514    |               | mg/L |   | 90   | 60 - 140    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 101           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 101           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 101           |               | 63 - 144 |
| Toluene-d8 (Surr)            | 101           |               | 80 - 120 |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109976/4

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike  | LCSD    | LCSD      | Unit | D | %Rec | %Rec     | RPD | Limit |
|-------------------------------|--------|---------|-----------|------|---|------|----------|-----|-------|
|                               | Added  | Result  | Qualifier |      |   |      | Limits   |     |       |
| Benzene                       | 0.0500 | 0.05085 |           | mg/L |   | 102  | 75 - 125 | 7   | 25    |
| Bromobenzene                  | 0.0500 | 0.05376 |           | mg/L |   | 108  | 75 - 125 | 3   | 25    |
| Bromochloromethane            | 0.0500 | 0.05655 |           | mg/L |   | 113  | 60 - 140 | 2   | 25    |
| Bromodichloromethane          | 0.0500 | 0.04850 |           | mg/L |   | 97   | 75 - 125 | 9   | 25    |
| Bromoform                     | 0.0500 | 0.05151 |           | mg/L |   | 103  | 70 - 130 | 6   | 25    |
| Bromomethane                  | 0.0500 | 0.04536 |           | mg/L |   | 91   | 60 - 140 | 5   | 25    |
| 2-Butanone                    | 0.250  | 0.2601  |           | mg/L |   | 104  | 60 - 140 | 5   | 25    |
| Carbon tetrachloride          | 0.0500 | 0.05423 |           | mg/L |   | 108  | 70 - 130 | 3   | 25    |
| Chlorobenzene                 | 0.0500 | 0.05171 |           | mg/L |   | 103  | 65 - 135 | 5   | 25    |
| Chloroethane                  | 0.0500 | 0.04958 |           | mg/L |   | 99   | 60 - 140 | 9   | 25    |
| Chloroform                    | 0.0500 | 0.05577 |           | mg/L |   | 112  | 70 - 121 | 2   | 25    |
| Chloromethane                 | 0.0500 | 0.04804 |           | mg/L |   | 96   | 60 - 140 | 6   | 25    |
| 2-Chlorotoluene               | 0.0500 | 0.05266 |           | mg/L |   | 105  | 73 - 125 | 8   | 25    |
| 4-Chlorotoluene               | 0.0500 | 0.05334 |           | mg/L |   | 107  | 74 - 125 | 3   | 25    |
| cis-1,2-Dichloroethene        | 0.0500 | 0.05568 |           | mg/L |   | 111  | 75 - 125 | 2   | 25    |
| cis-1,3-Dichloropropene       | 0.0500 | 0.05066 |           | mg/L |   | 101  | 74 - 125 | 8   | 25    |
| Dibromochloromethane          | 0.0500 | 0.05022 |           | mg/L |   | 100  | 73 - 125 | 5   | 25    |
| 1,2-Dibromo-3-Chloropropane   | 0.0500 | 0.06277 | *+        | mg/L |   | 126  | 59 - 125 | 0   | 25    |
| 1,2-Dibromoethane             | 0.0500 | 0.05129 |           | mg/L |   | 103  | 73 - 125 | 5   | 25    |
| 1,2-Dichlorobenzene           | 0.0500 | 0.05615 |           | mg/L |   | 112  | 75 - 125 | 2   | 25    |
| 1,3-Dichlorobenzene           | 0.0500 | 0.05608 |           | mg/L |   | 112  | 75 - 125 | 3   | 25    |
| 1,4-Dichlorobenzene           | 0.0500 | 0.05503 |           | mg/L |   | 110  | 75 - 125 | 2   | 25    |
| Dichlorodifluoromethane       | 0.0500 | 0.04870 |           | mg/L |   | 97   | 50 - 150 | 5   | 25    |
| 1,1-Dichloroethane            | 0.0500 | 0.05529 |           | mg/L |   | 111  | 70 - 130 | 1   | 25    |
| 1,2-Dichloroethane            | 0.0500 | 0.05014 |           | mg/L |   | 100  | 72 - 130 | 9   | 25    |
| 1,1-Dichloroethene            | 0.0500 | 0.05484 |           | mg/L |   | 110  | 50 - 150 | 2   | 25    |
| 1,2-Dichloropropane           | 0.0500 | 0.05013 |           | mg/L |   | 100  | 74 - 125 | 9   | 25    |
| 1,3-Dichloropropane           | 0.0500 | 0.05107 |           | mg/L |   | 102  | 75 - 125 | 5   | 25    |
| 2,2-Dichloropropane           | 0.0500 | 0.05509 |           | mg/L |   | 110  | 75 - 125 | 6   | 25    |
| 1,1-Dichloropropene           | 0.0500 | 0.05717 |           | mg/L |   | 114  | 75 - 125 | 2   | 25    |
| Ethylbenzene                  | 0.0500 | 0.05288 |           | mg/L |   | 106  | 75 - 125 | 4   | 25    |
| Hexachlorobutadiene           | 0.0500 | 0.05826 |           | mg/L |   | 117  | 75 - 125 | 1   | 25    |
| Isopropylbenzene              | 0.0500 | 0.05383 |           | mg/L |   | 108  | 75 - 125 | 3   | 25    |
| Methylene Chloride            | 0.0500 | 0.05063 |           | mg/L |   | 101  | 71 - 125 | 2   | 25    |
| m,p-Xylenes                   | 0.0500 | 0.05332 |           | mg/L |   | 107  | 75 - 125 | 6   | 25    |
| MTBE                          | 0.0500 | 0.05509 |           | mg/L |   | 110  | 65 - 135 | 3   | 25    |
| Naphthalene                   | 0.0500 | 0.07814 | *+        | mg/L |   | 156  | 70 - 130 | 4   | 25    |
| n-Butylbenzene                | 0.0500 | 0.05729 |           | mg/L |   | 115  | 75 - 125 | 1   | 25    |
| N-Propylbenzene               | 0.0500 | 0.05637 |           | mg/L |   | 113  | 75 - 125 | 2   | 25    |
| o-Xylene                      | 0.0500 | 0.05294 |           | mg/L |   | 106  | 75 - 125 | 5   | 25    |
| p-Cymene (p-Isopropyltoluene) | 0.0500 | 0.05693 |           | mg/L |   | 114  | 75 - 125 | 2   | 25    |
| sec-Butylbenzene              | 0.0500 | 0.05604 |           | mg/L |   | 112  | 75 - 125 | 2   | 25    |
| Styrene                       | 0.0500 | 0.05377 |           | mg/L |   | 108  | 75 - 125 | 5   | 25    |
| tert-Butylbenzene             | 0.0500 | 0.05645 |           | mg/L |   | 113  | 75 - 125 | 1   | 25    |
| 1,1,1,2-Tetrachloroethane     | 0.0500 | 0.05100 |           | mg/L |   | 102  | 72 - 125 | 6   | 25    |
| 1,1,2,2-Tetrachloroethane     | 0.0500 | 0.05566 |           | mg/L |   | 111  | 74 - 125 | 2   | 25    |
| Tetrachloroethene             | 0.0500 | 0.05172 |           | mg/L |   | 103  | 71 - 125 | 6   | 25    |
| Toluene                       | 0.0500 | 0.05127 |           | mg/L |   | 103  | 70 - 130 | 5   | 25    |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-109976/4

Matrix: Water

Analysis Batch: 109976

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.05463     |                | mg/L |   | 109  | 75 - 125    | 1   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05215     |                | mg/L |   | 104  | 66 - 125    | 4   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.07299     | *+             | mg/L |   | 146  | 75 - 137    | 4   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.06507     |                | mg/L |   | 130  | 75 - 135    | 1   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05429     |                | mg/L |   | 109  | 70 - 130    | 1   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05119     |                | mg/L |   | 102  | 70 - 130    | 4   | 25        |
| Trichloroethene           | 0.0500      | 0.04901     |                | mg/L |   | 98   | 75 - 135    | 10  | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.05375     |                | mg/L |   | 107  | 60 - 140    | 10  | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05661     |                | mg/L |   | 113  | 75 - 125    | 0   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05714     |                | mg/L |   | 114  | 75 - 125    | 1   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.04989     |                | mg/L |   | 100  | 60 - 140    | 13  | 25        |
| Vinyl chloride            | 0.0500      | 0.04973     |                | mg/L |   | 99   | 60 - 140    | 10  | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 103            |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 108            |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 100            |                | 63 - 144    |
| Toluene-d8 (Surr)            | 102            |                | 80 - 120    |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-110412/1-A

Matrix: Water

Analysis Batch: 110365

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110412

| Analyte                              | MB Result | MB Qualifier | RL   | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.988    | U            | 5.00 | 0.988 mg/L |   | 06/30/23 09:40 | 06/30/23 12:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.988    | U            | 5.00 | 0.988 mg/L |   | 06/30/23 09:40 | 06/30/23 12:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.954    | U            | 5.00 | 0.954 mg/L |   | 06/30/23 09:40 | 06/30/23 12:56 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | MB Limits | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|-----------|----------------|----------------|---------|
| 1-Chlorooctane | 105          |              | 70 - 135  | 06/30/23 09:40 | 06/30/23 12:56 | 1       |
| o-Terphenyl    | 109          |              | 70 - 135  | 06/30/23 09:40 | 06/30/23 12:56 | 1       |

Lab Sample ID: LCS 860-110412/2-A

Matrix: Water

Analysis Batch: 110365

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110412

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 99.4        | 131.6      |               | mg/L |   | 132  | 70 - 135    |
| Diesel Range Organics (Over C10-C28) | 99.6        | 116.4      |               | mg/L |   | 117  | 70 - 135    |

| Surrogate      | LCS %Recovery | LCS Qualifier | LCS Limits |
|----------------|---------------|---------------|------------|
| 1-Chlorooctane | 101           |               | 70 - 135   |
| o-Terphenyl    | 117           |               | 70 - 135   |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: LCSD 860-110412/3-A

Matrix: Water

Analysis Batch: 110365

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110412

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 99.4           | 133.6          |                | mg/L |   | 134  | 70 - 135    | 1   | 35        |
| Diesel Range Organics (Over C10-C28) | 99.6           | 118.5          |                | mg/L |   | 119  | 70 - 135    | 2   | 35        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |      |   |      |             |     |           |
| 1-Chlorooctane                       | 102            |                | 70 - 135       |      |   |      |             |     |           |
| o-Terphenyl                          | 118            |                | 70 - 135       |      |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-109981/7

Matrix: Water

Analysis Batch: 109981

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB Result | MB Qualifier | RL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|-------|------|---|----------|----------------|---------|
| Chloride | <0.250    | U            | 0.500 | mg/L |   |          | 06/28/23 11:26 | 1       |
| Fluoride | <0.100    | U            | 0.500 | mg/L |   |          | 06/28/23 11:26 | 1       |
| Sulfate  | <0.200    | U            | 0.500 | mg/L |   |          | 06/28/23 11:26 | 1       |

Lab Sample ID: LCS 860-109981/8

Matrix: Water

Analysis Batch: 109981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 10.0        | 9.656      |               | mg/L |   | 97   | 90 - 110    |
| Fluoride | 10.0        | 10.03      |               | mg/L |   | 100  | 90 - 110    |
| Sulfate  | 10.0        | 9.465      |               | mg/L |   | 95   | 90 - 110    |

Lab Sample ID: LCSD 860-109981/9

Matrix: Water

Analysis Batch: 109981

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 10.0        | 9.742       |                | mg/L |   | 97   | 90 - 110    | 1   | 20        |
| Fluoride | 10.0        | 10.10       |                | mg/L |   | 101  | 90 - 110    | 1   | 20        |
| Sulfate  | 10.0        | 9.566       |                | mg/L |   | 96   | 90 - 110    | 1   | 20        |

Lab Sample ID: LLCS 860-109981/11

Matrix: Water

Analysis Batch: 109981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|-------------|----------------|------|---|------|-------------|
| Chloride | 0.500       | 0.4797      | J              | mg/L |   | 96   | 50 - 150    |
| Fluoride | 0.500       | 0.3520      | J              | mg/L |   | 70   | 50 - 150    |
| Sulfate  | 0.500       | 0.3903      | J              | mg/L |   | 78   | 50 - 150    |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-109982/7

Matrix: Water

Analysis Batch: 109982

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte      | MB<br>Result | MB<br>Qualifier | RL    |        | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------------|-----------------|-------|--------|------|---|----------|----------------|---------|
| Nitrate as N | <0.0391      | U               | 0.100 | 0.0391 | mg/L |   |          | 06/28/23 11:26 | 1       |
| Nitrite as N | 0.06279      | J               | 0.100 | 0.0293 | mg/L |   |          | 06/28/23 11:26 | 1       |

Lab Sample ID: LCS 860-109982/8

Matrix: Water

Analysis Batch: 109982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|------|---|------|----------------|
| Nitrate as N | 10.0           | 9.789         |                  | mg/L |   | 98   | 80 - 120       |
| Nitrite as N | 10.0           | 9.728         |                  | mg/L |   | 97   | 80 - 120       |

Lab Sample ID: LCSD 860-109982/9

Matrix: Water

Analysis Batch: 109982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Nitrate as N | 10.0           | 9.878          |                   | mg/L |   | 99   | 80 - 120       | 1   | 20           |
| Nitrite as N | 10.0           | 9.845          |                   | mg/L |   | 98   | 80 - 120       | 1   | 20           |

Lab Sample ID: LLCS 860-109982/10

Matrix: Water

Analysis Batch: 109982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LLCS<br>Result | LLCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|--------------|----------------|----------------|-------------------|------|---|------|----------------|
| Nitrate as N | 0.100          | 0.09222        | J                 | mg/L |   | 92   | 50 - 150       |
| Nitrite as N | 0.100          | 0.06754        | J                 | mg/L |   | 68   | 50 - 150       |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-110289/3

Matrix: Water

Analysis Batch: 110289

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                         | MB<br>Result | MB<br>Qualifier | RL   |      | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------------|-----------------|------|------|------|---|----------|----------------|---------|
| Alkalinity                      | <4.00        | U               | 4.00 | 4.00 | mg/L |   |          | 06/29/23 11:45 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00        | U               | 4.00 | 4.00 | mg/L |   |          | 06/29/23 11:45 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00        | U               | 4.00 | 4.00 | mg/L |   |          | 06/29/23 11:45 | 1       |

Lab Sample ID: LCS 860-110289/4

Matrix: Water

Analysis Batch: 110289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------|----------------|---------------|------------------|------|---|------|----------------|
| Alkalinity | 250            | 256.1         |                  | mg/L |   | 102  | 85 - 115       |

Eurofins Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 860-110289/5

Matrix: Water

Analysis Batch: 110289

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte    | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Alkalinity | 250         | 251.6       |                | mg/L |   | 101  | 85 - 115    | 2   | 20        |

## Method: SM 4500 H+ B - pH

Lab Sample ID: 880-30041-1 DU

Matrix: Water

Analysis Batch: 110075

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte     | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit      | D | RPD | RPD Limit |
|-------------|---------------|------------------|-----------|--------------|-----------|---|-----|-----------|
| pH          | 6.9           | HF               | 6.9       |              | SU        |   | 0   | 20        |
| Temperature | 20.3          | HF               | 20.3      |              | Degrees C |   | 0   | 20        |

## Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-110279/1

Matrix: Water

Analysis Batch: 110279

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|---------|-----------|--------------|------|------------|---|----------|----------------|---------|
| Sulfide | <0.495    | U            | 5.00 | 0.495 mg/L |   |          | 06/29/23 15:54 | 1       |

Lab Sample ID: LCS 860-110279/2

Matrix: Water

Analysis Batch: 110279

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfide | 50.0        | 43.00      |               | mg/L |   | 86   | 80 - 120    |

Lab Sample ID: LCSD 860-110279/3

Matrix: Water

Analysis Batch: 110279

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Sulfide | 50.0        | 43.00       |                | mg/L |   | 86   | 80 - 120    | 0   | 20        |

Lab Sample ID: 880-30041-1 MS

Matrix: Water

Analysis Batch: 110279

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfide | <0.495        | U                | 50.0        | 41.80     |              | mg/L |   | 84   | 80 - 120    |

Lab Sample ID: 880-30041-1 MSD

Matrix: Water

Analysis Batch: 110279

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfide | <0.495        | U                | 50.0        | 41.80      |               | mg/L |   | 84   | 80 - 120    | 0   | 20        |

Eurofins Midland

## QC Association Summary

Client: Ensolum

Job ID: 880-30041-1

Project/Site: South Hobbs - 03B1417002

## GC/MS VOA

## Analysis Batch: 109976

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-30041-1       | MW-1                   | Total/NA  | Water  | 8260C  |            |
| 880-30041-2       | MW-2                   | Total/NA  | Water  | 8260C  |            |
| MB 860-109976/10  | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-109976/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-109976/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## GC Semi VOA

## Analysis Batch: 101425

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-30041-1   | MW-1             | Total/NA  | Water  | 8015 NM |            |
| 880-30041-2   | MW-2             | Total/NA  | Water  | 8015 NM |            |

## Analysis Batch: 110365

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-30041-1         | MW-1                   | Total/NA  | Water  | 8015B NM | 110412     |
| 880-30041-2         | MW-2                   | Total/NA  | Water  | 8015B NM | 110412     |
| MB 860-110412/1-A   | Method Blank           | Total/NA  | Water  | 8015B NM | 110412     |
| LCS 860-110412/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 110412     |
| LCSD 860-110412/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 110412     |

## Prep Batch: 110412

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|---------------------|------------------------|-----------|--------|----------------|------------|
| 880-30041-1         | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-30041-2         | MW-2                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 860-110412/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 860-110412/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 860-110412/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |

## HPLC/IC

## Analysis Batch: 109981

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-30041-1        | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-30041-2        | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-109981/7    | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-109981/8   | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-109981/9  | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-109981/11 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 109982

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-30041-1        | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-30041-2        | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-109982/7    | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-109982/8   | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-109982/9  | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LLCS 860-109982/10 | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

Eurofins Midland

QC Association Summary

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

General Chemistry

Analysis Batch: 110075

| Lab Sample ID  | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|----------------|------------------|-----------|--------|--------------|------------|
| 880-30041-1    | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-30041-2    | MW-2             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-30041-1 DU | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 110279

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|-------------------|------------------------|-----------|--------|--------------|------------|
| 880-30041-1       | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-30041-2       | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| MB 860-110279/1   | Method Blank           | Total/NA  | Water  | SM 4500 S2 F |            |
| LCS 860-110279/2  | Lab Control Sample     | Total/NA  | Water  | SM 4500 S2 F |            |
| LCSD 860-110279/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-30041-1 MS    | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-30041-1 MSD   | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |

Analysis Batch: 110289

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-30041-1       | MW-1                   | Total/NA  | Water  | SM 2320B |            |
| 880-30041-2       | MW-2                   | Total/NA  | Water  | SM 2320B |            |
| MB 860-110289/3   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-110289/4  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-110289/5 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 110497

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method        | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 880-30041-1   | MW-1             | Total/NA  | Water  | SM 4500 CO2 D |            |
| 880-30041-2   | MW-2             | Total/NA  | Water  | SM 4500 CO2 D |            |



Lab Chronicle

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

Client Sample ID: MW-1

Date Collected: 06/26/23 10:50

Date Received: 06/27/23 10:13

Lab Sample ID: 880-30041-1

Matrix: Water

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 109976       | AN      | EET HOU | 06/28/23 18:55       |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 101425       | CZT     | EET HOU | 06/30/23 17:25       |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 110412       | SAR     | EET HOU | 06/30/23 09:40       |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 110365       | MCA     | EET HOU | 06/30/23 13:37       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 109981       | RBNS    | EET HOU | 06/28/23 11:07       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 109982       | RBNS    | EET HOU | 06/28/23 11:07       |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 110289       | TL      | EET HOU | 06/29/23 14:23       |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 110497       | MC      | EET HOU | 06/30/23 15:04       |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 110075       | TL      | EET HOU | 06/28/23 15:38       |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 110279       | SCI     | EET HOU | 06/29/23 15:54       |

Client Sample ID: MW-2

Date Collected: 06/26/23 09:30

Date Received: 06/27/23 10:13

Lab Sample ID: 880-30041-2

Matrix: Water

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 109976       | AN      | EET HOU | 06/28/23 19:16       |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 101425       | CZT     | EET HOU | 06/30/23 17:25       |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 110412       | SAR     | EET HOU | 06/30/23 09:40       |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 110365       | MCA     | EET HOU | 06/30/23 14:00       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 109981       | RBNS    | EET HOU | 06/28/23 10:48       |
| Total/NA  | Analysis   | 300.0          |     | 1               | 109982       | RBNS    | EET HOU | 06/28/23 10:48       |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 110289       | TL      | EET HOU | 06/29/23 14:40       |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 110497       | MC      | EET HOU | 06/30/23 15:04       |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 110075       | TL      | EET HOU | 06/28/23 15:41       |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 110279       | SCI     | EET HOU | 06/29/23 15:54       |

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-23-50      | 06-30-23        |

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

| Analysis Method | Prep Method    | Matrix | Analyte                              |
|-----------------|----------------|--------|--------------------------------------|
| 8015 NM         |                | Water  | Total TPH                            |
| 8015B NM        | 8015NM Aq Prep | Water  | Diesel Range Organics (Over C10-C28) |
| 8015B NM        | 8015NM Aq Prep | Water  | Gasoline Range Organics (GRO)-C6-C10 |
| 8015B NM        | 8015NM Aq Prep | Water  | Oil Range Organics (Over C28-C36)    |
| SM 2320B        |                | Water  | Bicarbonate Alkalinity as CaCO3      |
| SM 2320B        |                | Water  | Carbonate Alkalinity as CaCO3        |
| SM 4500 CO2 D   |                | Water  | Carbon dioxide                       |
| SM 4500 CO2 D   |                | Water  | Carbon Dioxide, Free                 |
| SM 4500 H+ B    |                | Water  | Temperature                          |

Method Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

| Method         | Method Description                                    | Protocol | Laboratory |
|----------------|-------------------------------------------------------|----------|------------|
| 8260C          | Volatile Organic Compounds by GC/MS                   | SW846    | EET HOU    |
| 8015 NM        | Diesel Range Organics (DRO) (GC)                      | SW846    | EET HOU    |
| 8015B NM       | Diesel Range Organics (DRO) (GC)                      | SW846    | EET HOU    |
| 300.0          | Anions, Ion Chromatography                            | EPA      | EET HOU    |
| SM 2320B       | Alkalinity                                            | SM       | EET HOU    |
| SM 4500 CO2 D  | Carbon Dioxide and Forms of Alkalinity by Calculation | SM       | EET HOU    |
| SM 4500 H+ B   | pH                                                    | SM       | EET HOU    |
| SM 4500 S2 F   | Sulfide, Total                                        | SM       | EET HOU    |
| 5030C          | Purge and Trap                                        | SW846    | EET HOU    |
| 8015NM Aq Prep | Microextraction                                       | SW846    | EET HOU    |

**Protocol References:**  
EPA = US Environmental Protection Agency  
SM = "Standard Methods For The Examination Of Water And Wastewater"  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-30041-1

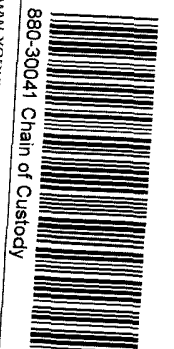
| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-30041-1   | MW-1             | Water  | 06/26/23 10:50 | 06/27/23 10:13 |
| 880-30041-2   | MW-2             | Water  | 06/26/23 09:30 | 06/27/23 10:13 |

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



Chain of Custody

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



880-30041 Chain of Custody

Hobbs NM (575) 392-7550 Phoenix AZ (480) 355-0900 Atlanta GA (770) 449-8800 Tampa FL (813) 620-2000

|                 |                     |                        |                       |
|-----------------|---------------------|------------------------|-----------------------|
| Project Manager | Beaux Jennings      | Bill to (if different) |                       |
| Company Name    | Ensolum LLC         | Company Name           |                       |
| Address         | 601 Marnefield #400 | Address                |                       |
| City, State ZIP | Midland TX 79701    | City, State ZIP        |                       |
| Phone           | 432-230-3344        | Email                  | bjennings@ensolum.com |

|                                                                                                                                                                             |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |                                    |
| State of Project:                                                                                                                                                           |                                    |
| Reporting Level II <input type="checkbox"/>                                                                                                                                 | Level III <input type="checkbox"/> |
| Deliverables EDD <input type="checkbox"/>                                                                                                                                   | ADAPT <input type="checkbox"/>     |
| Other <input type="checkbox"/>                                                                                                                                              |                                    |

|                                                              |                                                               |                                  |                                                               |
|--------------------------------------------------------------|---------------------------------------------------------------|----------------------------------|---------------------------------------------------------------|
| Project Name                                                 | South Hobbs                                                   | Turn Around                      |                                                               |
| Project Number                                               | 03B1417002                                                    | Routine <input type="checkbox"/> |                                                               |
| P.O. Number                                                  | 03B1417002                                                    | Rush 24 Hr                       |                                                               |
| Sampler's Name                                               | Shane Diller                                                  | Due Date                         |                                                               |
| <b>SAMPLE RECEIPT</b>                                        |                                                               |                                  |                                                               |
| Temperature (°C)                                             | 0.001                                                         | Temp Blank                       | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| Received Intact                                              | Yes <input checked="" type="radio"/> No <input type="radio"/> | Thermometer ID                   | 5493                                                          |
| Cooler Custody Seals                                         | Yes <input checked="" type="radio"/> No <input type="radio"/> | Correction Factor                | -30                                                           |
| Sample Custody Seals                                         | Yes <input checked="" type="radio"/> No <input type="radio"/> | Total Containers                 |                                                               |
| <b>ANALYSIS REQUEST</b>                                      |                                                               |                                  |                                                               |
| Sample Identification                                        | Matrix                                                        | Date Sampled                     | Time Sampled                                                  |
| MMW-1                                                        | GW                                                            | 6-26-23                          | 1050                                                          |
| MMW-2                                                        | GW                                                            | 6-26-23                          | 930                                                           |
| Number of Containers                                         |                                                               |                                  |                                                               |
| Dissolved Carbon Dioxide 4500 CO2 c                          |                                                               |                                  |                                                               |
| Dissolved Sulfide SW-846 #376.2                              |                                                               |                                  |                                                               |
| VOC SW-846 #8260                                             |                                                               |                                  |                                                               |
| TPH EPA Method #8015                                         |                                                               |                                  |                                                               |
| Chloride EPA Method #846 300                                 |                                                               |                                  |                                                               |
| pH EPA SW-846 Method 150.1                                   |                                                               |                                  |                                                               |
| TAT starts the day received by the lab if received by 4:30pm |                                                               |                                  |                                                               |
| Sample Comments                                              |                                                               |                                  |                                                               |
| 24 Hr                                                        |                                                               |                                  |                                                               |

|                                              |               |                            |                                                                                   |
|----------------------------------------------|---------------|----------------------------|-----------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11       | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010           | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U                              |
|                                              |               | 1631 / 245.1 / 7470 / 7471 | Hg                                                                                |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|                              |                          | 6/21/23   |                              |                          |           |
|                              |                          | 6/3       |                              |                          |           |
|                              |                          |           |                              |                          |           |
|                              |                          |           |                              |                          |           |
|                              |                          |           |                              |                          |           |

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-30041-1

Login Number: 30041

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-30041-1

Login Number: 30041

List Number: 2

Creator: Canadilla, Surelis

List Source: Eurofins Houston

List Creation: 06/28/23 10:10 AM

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

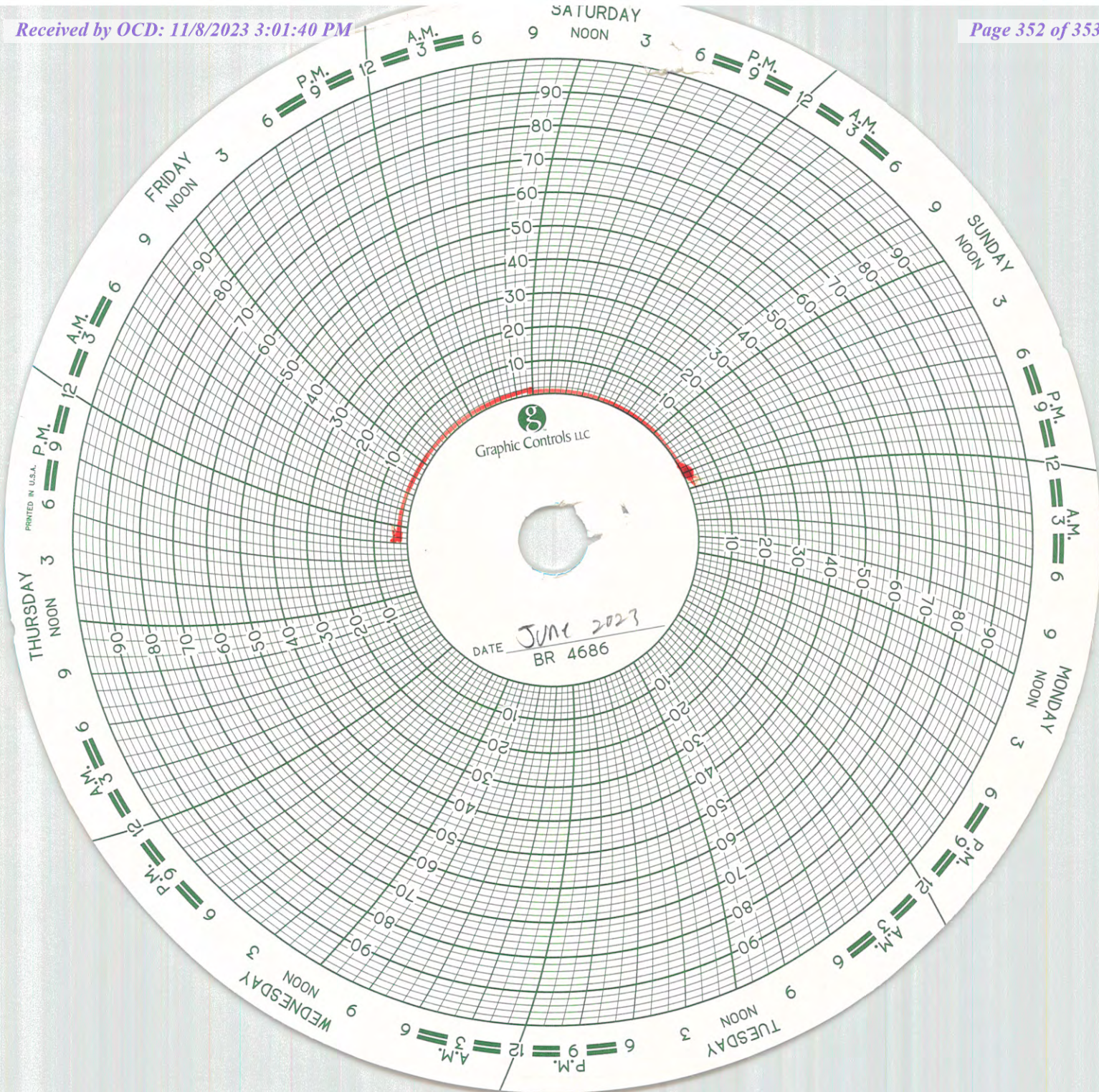


## APPENDIX D

### Levey Well Pressure Reading Documentation

---







**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 284073

CONDITIONS

|                                                                               |                                                                          |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984                                                         |
|                                                                               | Action Number:<br>284073                                                 |
|                                                                               | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By       | Condition                                                                                                                   | Condition Date |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------|
| michael.buchanan | Accepted for the record. GAS MITIGATION MONTHLY REPORT - JUNE 2023 South Hobbs G/SA Unit Order No. R-4934-F, Case No. 14981 | 3/21/2024      |