



## GAS MITIGATION MONTHLY REPORT - NOVEMBER 2021

Property:

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

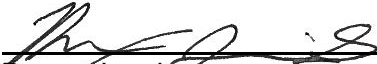
**New Mexico EMNRD OCD  
Order No. R-4934-F, Case No. 14981**

December 14, 2021

Prepared for:

**Occidental Permian LTD  
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**South Hobbs G/SA Unit Operations**  
**Order No. R-4934-F, Case No. 14981**  
**Unit F, Section 5, Township 19S, Range 38E**  
**Latitude 32.690683, Longitude -103.173158**  
**Lea County, New Mexico**

### 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>Order No. R-4934-F<br>Case No. 14981 |

This Gas Mitigation Monthly Report - November 2021 summarizes activities subsequent to the first vacuum recovery event initiated on November 8, 2021 to address the remaining free gas at the site. 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 (2) monitoring wells (MW-1 and MW-2) are referred to as the "Site".

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 surface. No other anomalies were observed in the adjacent area oil and gas wells.

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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 gained from the NMOCD to drill two (2) 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 (2) 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 November 28, 2021. 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 #846 300 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.

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, chloride, nitrite as N and TDS. Benzene concentrations ranged from non-detect in monitoring well MW-1 to 0.0167 milligrams per liter (mg/l) in the Levey Well. However, the trendline shows benzene concentrations are decreasing overall in the Levey Well. Chloride concentrations in the Levey Well were highly variable ranging from 190 mg/l to 635 mg/l with an average chloride concentration over the sampling period of 366 mg/l. Chloride concentrations in MW-1 ranged from 339 mg/l to 363 mg/l. TDS analytical results ranged from 1,100 mg/l to 2,570 mg/l, which exceeds the applicable WQCC GQS of 1,000 mg/l. 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 data 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.



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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 ( $H_2S$ ) has not been detected in any of the three (3) aforementioned wells since July 15, 2020. All detections of  $H_2S$  prior to July 15, 2020 were within the well bore. No  $H_2S$  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 11/28/2021, with no pressure observed in either monitoring well. The pressure reading charts are 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 (2) reports, one co-authored and supplied by Lisa Molofsky of GSI 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.

## **1.2 Groundwater Recovery – Levey Water Well**

As of July 1, 2021, the Levey water 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 water well during November 14-27, 2021 was approximately 302,833 gallons. Prior to initiating the vacuum recovery events, it was noted that the flow meter on the Levey water well had been previously damaged. The flow meter was subsequently replaced by OXY operations. Groundwater recovery data from November 1-13, 2021 is not available.

## **1.3 Gas Recovery – Levey Water Well**

OXY conducted two (2) vacuum recovery events during the month of November 2021 with positive results as shown on **Table 4** in **Appendix B**. The purpose of these events is to attach a vacuum pump truck to the Levey water 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 December 2021 once every two (2) weeks until the sampling results of the air (VOCs) is minimal after displacement of the overlying pressure, or the process proves to become ineffective.

## **2.0 AIR AND GROUNDWATER MONITORING**

### **2.1 Air Sampling Program**

#### **Levey Water Well**

The air samples on November 8 and 22, 2021 were taken prior to, during and subsequent to each vacuum event utilizing a Summa passivated canister. Upon arrival at the Site, the Levey water well is turned off and allowed to stabilize for approximately one (1) hour. An air sample is taken after one (1) hour of the Levey water well stabilization, prior to initiating the vacuum event. The vacuum is applied to the Levey water well for a duration of approximately one (1) hour. Approximately 15 minutes and 45 minutes into the event, an air sample is taken. The vacuum is then turned off and an additional air sample from the Levey water well is taken one (1) hour subsequent to each vacuum event. Water was not recovered during either vacuum event.

The Summa canisters were shipped under proper chain-of-custody to Pace Analytical Laboratory in Mount Juliet, TN for analysis of 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 November 2021 sampling events are provided in **Appendix C**.

## 2.2 Groundwater Sampling Program

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

### Levey Water Well

As of July 1, 2021, the Levey water well runs full time and recovered groundwater is transferred via flowline to a nearby tank battery for proper disposal. Prior to sample collection, the Levey water well is tuned off and allowed to stabilize for approximately one (1) hour prior to sampling. Once the Levey water well is properly purged and readings from the YSI Pro Plus stabilize, a groundwater sample is collected.

The groundwater samples collected from the Levey water 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 (1) groundwater sample is collected from each monitoring well.

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 (3) to five (5) minutes. Purging is considered complete once key parameters (especially pH and conductivity) have stabilized for three (3) 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 Xenco (formerly Xenco) of Midland, Texas under proper chain-of-custody procedures.

The groundwater samples collected from the monitoring wells 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 #846 300 and pH utilizing EPA Method SW-846 #150.1.

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 water well began on November 8, 2021 and will continue on a bi-weekly basis through December 2021. Based on the concentrations observed in the Levey water well air samples, the vacuum events are drawing the free gas over to the Levey water 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 cyclohexane, ethanol, heptane, n-hexane, 2-propanol, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, o-xylene and TPH were observed prior to the initiation of each vacuum recovery event.

Once initiated, an air sample is taken at 15 minutes and 45 minutes into the vacuum recovery event. During each of the vacuum recovery events, cyclohexane, ethanol, heptane, n-hexane, 2-propanol, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, o-xylene and TPH concentrations significantly decrease throughout the duration of the event.

Approximately one (1) hour after the termination of the vacuum recovery event, a final air sample is collected. Elevated concentrations of acetone, cyclohexane, ethanol, heptane, n-hexane, 2-propanol, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, o-xylene and 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 water well.

Air samples are also collected on a bi-weekly basis approximately one (1) week subsequent to the vacuum recovery event. During each of the bi-weekly air sampling events, elevated concentrations of acetone, cyclohexane, ethanol, heptane, n-hexane, 2-propanol, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, o-xylene and 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 water well.

#### 3.2 Groundwater Samples

Ensolum compared the laboratory analytical results or laboratory practical quantitation limits (PQLs) associated with the November 2021 groundwater samples collected from the Levey water 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 Water Well**

TDS analytical results ranged from 1,050 mg/l to 1,350 mg/l, which exceeds the applicable WQCC GQS of 1,000 mg/l. 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 (3) 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 water well sampling first began on December 6, 2019. Through mitigation activities, including groundwater recovery and vacuum recovery events, the benzene concentration in the Levey water well has significantly decreased over time. As of September 21, 2021, benzene no longer exceeds the WQCC GQS of 0.005 mg/l. Benzene concentration over time are graphed and included in **Appendix A**, showing the significant decrease of benzene in the Levey water well over time.

In addition, the chloride concentration in the Levey water well have significantly decreased over time. As of September 21, 2021, chloride no longer exceeds the WQCC GQS of 250.0 mg/l.

### **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 0.0200 mg/l to 0.0331 mg/l, which exceed the WQCC GQS of 0.005 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.

The groundwater samples collected from monitoring well MW-2 did not exhibit chloride concentrations above the WQCC GQS of 250.0 mg/l. The groundwater samples collected from monitoring well MW-1 exhibited chloride concentrations that ranged from 267 mg/l to 311 mg/l, which exceed the WQCC GQS of 250.0 mg/l.

The groundwater samples collected from monitoring well MW-1 did not exhibit Nitrite as N concentrations above the WQCC GQS of 1.0 mg/l. The only Nitrite as N exceedance of 1.28 mg/l from monitoring well MW-2 was on November 18, 2021, which is above the WQCC GQS of 1.0 mg/l.

## **3.0 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 water well. This has been demonstrated by over three (3) 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 #182 well has shown to be effective in discontinuing the source of free gas related to the Levey water well.



**Based on the results of all monitoring activities, OXY has the following recommendations and/or requests of action:**

- **Continue to remove free gas accumulations from the underlying red bed and groundwater-bearing zone as mechanically practical to do so, and to acceptable levels of removal to achieve compliance expectations.**
- **Continue to monitor the Levey water well and monitoring wells MW-1 and MW-2 for significant changes in pressure, which could indicate a secondary source weekly, until compliance of free gas removal is achieved.**
- **Continue groundwater sampling the Levey water well and monitoring wells MW-1 and MW-2 through December 2021; and,**
- **If concentrations continue to be steady and/or declining for the remainder of 2021, institute groundwater sampling on a quarterly basis in 2022 or until compliance is achieved. OXY will also request to re-start injection in South Hobbs G/SA Unit #290 production/injection well upon NMOCD approval.**

#### **4.0 REFERENCES**

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<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





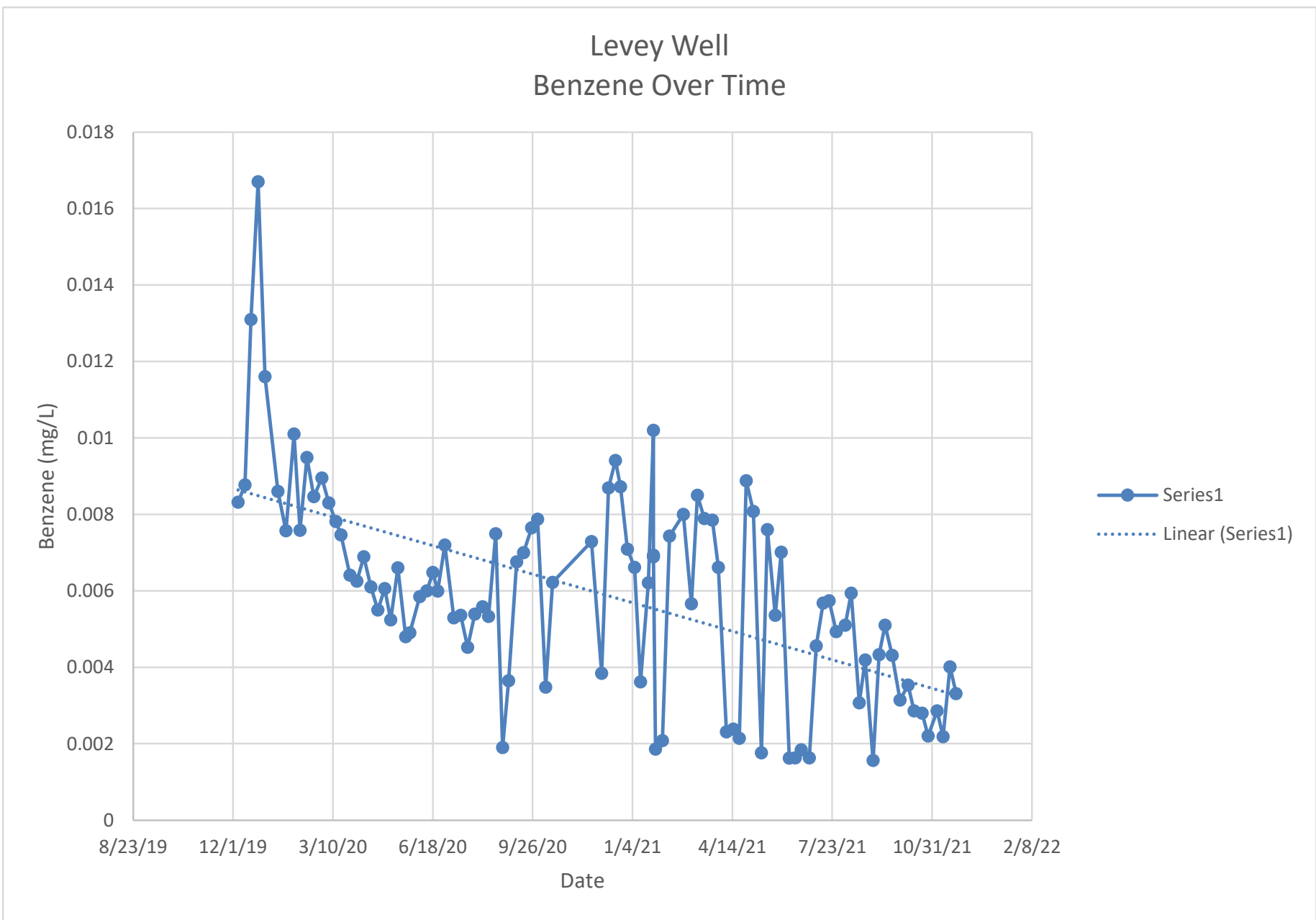
#### SITE MAP

PERMIAN EOR, INC  
S HOBBS G/SA UNIT  
SE ¼ of the NW ¼, Sec 5, T29S, R38E, Hobbs, New Mexico  
32.690683° N, 103.173158° W

PROJECT NUMBER: 03B1417001

FIGURE

1





## APPENDIX B

### Tables



| TABLE 1 - GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY                          |            |             |         |              |          |             |               |                                  |                |                  |                   |            |               |                 |                 |                               |                    |                            |                     |                  |             |                 |                       |           |                        |                        |  |
|----------------------------------------------------------------------------------------|------------|-------------|---------|--------------|----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|----------------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|--|
| Permian EOR - Levey Well                                                               |            |             |         |              |          |             |               |                                  |                |                  |                   |            |               |                 |                 |                               |                    |                            |                     |                  |             |                 |                       |           |                        |                        |  |
| Hobbs, New Mexico                                                                      |            |             |         |              |          |             |               |                                  |                |                  |                   |            |               |                 |                 |                               |                    |                            |                     |                  |             |                 |                       |           |                        |                        |  |
| Well ID                                                                                | 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 | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | cis-1,2-Dichloroeth(y)lene | 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                | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | NE                         | 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   | NA            | <0.00100        | <0.00100        | 0.00138                       | <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   | NA            | <0.00100        | <0.00100        | 0.00112                       | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00173                       | <0.000285          | <0.000174                  | <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   | NA            | <0.00100        | <0.00100        | 0.00183                       | <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   | NA            | <0.00100        | <0.00100        | 0.00127                       | <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   | NA            | <0.00100        | <0.00100        | <0.00100                      | <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   | NA            | <0.00100        | <0.00100        | 0.00180                       | <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            | <0.0100    | NA            | 0.0343          | 0.0344          | <0.0100                       | <0.0100            | <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   | NA            | <0.00100        | <0.00100        | 0.00165                       | <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   | NA            | <0.00100        | <0.00100        | 0.00251                       | <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   | NA            | <0.00100        | <0.00100        | 0.00229                       | <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   | NA            | <0.00500        | <0.00500        | <0.00500                      | <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   | NA            | <0.00100        | <0.00100        | 0.00254                       | <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   | NA            | <0.00100        | <0.00100        | 0.00247                       | <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   | NA            | <0.00100        | <0.00100        | 0.00224                       | <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   | NA            | <0.00100        | <0.00100        | 0.00189                       | <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   | NA            | <0.00100        | <0.00100        | 0.00209                       | <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   | NA            | <0.00100        | <0.00100        | 0.00188                       | <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   | NA            | <0.00100        | <0.00100        | 0.00175                       | <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   | NA            | <0.00100        | <0.00100        | 0.00179                       | <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   | NA            | <0.00100        | <0.00100        | 0.00159                       | <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   | NA            | <0.00100        | <0.00100        | 0.00171                       | <0.00100           | <0.00100                   | <0.00500            | 0.0138           | <0.0100     | 0.0270          | <0.00100              | <0.0100   | 0.202                  | 0.0582                 |  |
|                                                                                        | 5/14/2020  | 0.00660     | 0.0357  | 0.0268       | 0.0141   | 0.0882      | 0.102         | <0.0500                          | 0.00236        | 0.00324          | <0.00100          | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00191                       | <0.00100           | <0.00100                   | <0.00500            | 0.0165           | <0.0100     | 0.0236          | <0.00100              | <0.00100  | 0.201                  | 0.0453                 |  |
|                                                                                        | 5/22/2020  | 0.00480     | 0.00851 | 0.0193       | 0.00896  | 0.0567      | 0.0657        | <0.0500                          | <0.00100       | <0.00100         | <0.00100          | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00194                       | <0.00100           | <0.00100                   | <0.00500            | 0.0137           | <0.0100     | 0.0276          | <0.00100              | <0.00100  | 0.187                  | 0.0597                 |  |
|                                                                                        | 5/26/2020  | 0.00490     | 0.0169  | 0.0210       | 0.0109   | 0.0637      | 0.0746        | <0.0500                          | 0.00122        | 0.00300          | <0.00100          | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00164                       | <0.00100           | <0.00100                   | <0.00500            | 0.0138           | <0.0100     | 0.0256          | <0.00100              | <0.00100  | 0.192                  | 0.0532                 |  |
|                                                                                        | 6/5/2020   | 0.00585     | 0.0317  | 0.0228       | 0.0117   | 0.0744      | 0.0861        | <0.0500                          | 0.00183        | 0.00271          | <0.00100          | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00155                       | <0.00100           | <0.00100                   | <0.00500            | 0.0134           | <0.0100     | 0.0182          | <0.00100              | <0.00100  | 0.129                  | 0.0367                 |  |
|                                                                                        | 6/12/2020  | 0.00600     | 0.0299  | 0.0231       | 0.0122   | 0.0757      | 0.0879        | <0.0500                          | <0.00100       | 0.00283          | <0.00100          | <0.00100   | NA            | <0.00100        | <0.00100        | 0.00154                       | <0.00100           | <0.00100                   | <0.00500            | 0.0135           | <0.0100     | 0.0211          | <0.00100              | <0.00100  | 0.150                  | 0.0429                 |  |
|                                                                                        | 6/18/2020  | 0.00648     | 0.0374  | 0.0236       | 0.0129   | 0.0818      | 0.0947        | <0.0500                          | <0.00100       | 0.00256          | <0.00100          | &          |               |                 |                 |                               |                    |                            |                     |                  |             |                 |                       |           |                        |                        |  |

| TABLE 1 - GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY                          |           |             |         |              |          |             |               |                                  |                |                  |                   |            |               |                 |                 |                               |                    |                            |                     |                  |             |                 |                       |           |                        |                        |
|----------------------------------------------------------------------------------------|-----------|-------------|---------|--------------|----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|----------------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|
| Permian EOR - Levey Well                                                               |           |             |         |              |          |             |               |                                  |                |                  |                   |            |               |                 |                 |                               |                    |                            |                     |                  |             |                 |                       |           |                        |                        |
| Hobbs, New Mexico                                                                      |           |             |         |              |          |             |               |                                  |                |                  |                   |            |               |                 |                 |                               |                    |                            |                     |                  |             |                 |                       |           |                        |                        |
| Well ID                                                                                | 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 | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | cis-1,2-Dichloroeth(y)lene | 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                | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | NE                         | NE                  | NE               | 0.03        | NE              | 0.01                  | 0.1       | NE                     | NE                     |
| Levey Well (cont')                                                                     | 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   | NA            | <0.00100        | <0.00100        | 0.00140                       | <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   | NA            | <0.00100        | <0.00100        | 0.00157                       | <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   | NA            | <0.00100        | <0.00100        | 0.00159                       | <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   | NA            | <0.00100        | <0.00100        | 0.00162                       | <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   | NA            | <0.00100        | <0.00100        | 0.00145                       | <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   | NA            | <0.00100        | <0.00100        | 0.00146                       | <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   | NA            | <0.00100        | <0.00100        | <0.00100                      | <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   | NA            | <0.00100        | <0.00100        | 0.00101                       | <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   | NA            | <0.00100        | <0.00100        | 0.00145                       | <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   | NA            | <0.00100        | <0.00100        | 0.00142                       | <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   | NA            | <0.00100        | <0.00100        | 0.00110                       | <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   | NA            | <0.00100        | <0.00100        | 0.00176                       | <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   | NA            | <0.000214       | <0.000183       | 0.00139                       | <0.000285          | <0.000174                  | <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   | <0.0100       | <0.00100        | <0.00100        | 0.00143                       | <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   | <0.0100       | 0.00302         | <0.000183       | 0.00144                       | <0.000244          | <0.000174                  | <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   | <0.0100       | <0.00100        | <0.00100        | 0.00103                       | <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   | <0.0100       | <0.00100        | <0.00100        | 0.00109                       | <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         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00103                       | <0.000285          | <0.000174                  | <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         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00163                       | <0.000285          | <0.000174                  | <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         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00130                       | <0.000285          | <0.000174                  | <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         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000802 J                    | <0.000285          | <0.000174                  | <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       | 0.0182   | 0.112       | 0.130         | 0.0188 J                         | <0.000286      | 0.00254          | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00157                       | <0.000285          | <0.000174                  | <0.000481           | 0.0146           | <0.00200    | 0.00825         | <0.000228             | <0.000623 | 0.0403                 | 0.0128                 |
|                                                                                        | 5/27/2021 | 0.00536     | 0.0360  | 0.0206       | 0.0117   | 0.0657      | 0.0774        | 0.0139 J                         | <0.000286      | <0.000199        | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00139                       | <0.000285          | <0.000174                  | <0.000481           | 0.0111           | <0.00200    | 0.00924         | <0.000228             | <0.000623 | 0.0483                 | 0.0150                 |
|                                                                                        | 6/2/2021  | 0.00701     | 0.0521  | 0.0258       | 0.0154   | 0.0906      | 0.106         | <0.00270                         | <0.000286      | 0.00254          | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00160                       | <0.000285          | <0.000174                  | <0.000481           | 0.0130           | <0.00200    | 0.00800         | <0.000228             | <0.000623 | 0.0388                 | 0.0128                 |
|                                                                                        | 6/10/2021 | 0.00162     | 0.00304 | 0.00713      | 0.00221  | 0.0146      | 0.0168        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | 0.00195    | 0.0126        | <0.000214       | <0.000183       | 0.000716 J                    | <0.000285          | <0.000174                  | 0.00516             | 0.00483          | <0.00200    | 0.0109          | <0.000228             | <0.000623 | 0.0658                 | 0.0195                 |
|                                                                                        | 6/16/2021 | 0.00163     | 0.00240 | 0.00673      | 0.00204  | 0.0138      | 0.0158        | <0.00270                         | <0.000286      | 0.00127          | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000757 J                    | <0.000285          | <0.000174                  | <0.000481           | 0.00461          | <0.00200    | 0.0115          | <0.000228             | <0.000623 | 0.0728                 | 0.0210                 |
|                                                                                        | 6/22/2021 | 0.00184     | 0.00219 | 0.00736      | 0.00186  | 0.0156      | 0.0175        | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000682 J                    | <0.000285          | <0.000174                  | <0.000481           | 0.00499          | <0.00200    | 0.0111          | <0.000228             | <0.000623 | 0.0714                 | 0.0208                 |

| TABLE 1 - GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY                          |            |                |            |              |           |             |               |                                     |                |                  |                   |            |               |                 |                 |                                  |                    |                            |                     |                  |             |                 |                       |           |                        |                        |  |
|----------------------------------------------------------------------------------------|------------|----------------|------------|--------------|-----------|-------------|---------------|-------------------------------------|----------------|------------------|-------------------|------------|---------------|-----------------|-----------------|----------------------------------|--------------------|----------------------------|---------------------|------------------|-------------|-----------------|-----------------------|-----------|------------------------|------------------------|--|
| Permian EOR - Levey Well                                                               |            |                |            |              |           |             |               |                                     |                |                  |                   |            |               |                 |                 |                                  |                    |                            |                     |                  |             |                 |                       |           |                        |                        |  |
| Hobbs, New Mexico                                                                      |            |                |            |              |           |             |               |                                     |                |                  |                   |            |               |                 |                 |                                  |                    |                            |                     |                  |             |                 |                       |           |                        |                        |  |
| Well ID                                                                                | Date       | VOCs<br>(mg/l) |            |              |           |             |               |                                     |                |                  |                   |            |               |                 |                 |                                  |                    |                            |                     |                  |             |                 |                       |           |                        |                        |  |
|                                                                                        |            | Benzene        | Toluene    | Ethylbenzene | o-Xylene  | m,p-Xylenes | Total Xylenes | Methyl ethyl ketone<br>(2-Butanone) | n-Butylbenzene | Sec-Butylbenzene | tert-Butylbenzene | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene<br>(p-Isopropyltoluene) | 1,2-Dichloroethane | cis-1,2-Dichloroeth(y)lene | 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                | 0.1        | NE            | NE              | NE              | NE                               | 0.005              | NE                         | 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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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   | NA            | <0.00100        | <0.00100        | <0.00100                         | <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   | NA            | <0.00100        | <0.00100        | <0.00100                         | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000270 J                       | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | 0.000230 J                 | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000260 J                       | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <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   | <0.0100       | <0.00100        | <0.00100        | <0.00100                         | <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  | 0.000333 J   | <0.000192 | 0.000714 J  | 0.000714 J    | <0.00270                            | <0.000286      | <0.000199        | <0.000195         | <0.00100   | <0.0100       | <0.00100        | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <0.000481           | <0.000161        | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.000980 J             | 0.000392 J             |  |
|                                                                                        | 4/8/2021   | 0.00128        | <0.000500  | 0.000463 J   | <0.000192 | 0.000985 J  | 0.000985 J    | <0.00270                            | <0.000286      | <0.000199        | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <0.000481           | 0.000214 J       | <0.00200    | 0.000271 J      | <0.000228             | <0.000162 | 0.00171                | <0.000279              |  |
|                                                                                        | 4/15/2021  | 0.00124        | <0.000500  | 0.000366 J   | <0.000192 | 0.00140 J   | 0.00140 J     | <0.00270                            | <0.000286      | <0.000199        | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <0.000481           | <0.000161        | <0.00200    | <0.000179       | <0.000228             | <0.000162 | 0.00185                | <0.000279              |  |
|                                                                                        | 4/21/2021  | 0.00114        | <0.000500  | 0.00114      | <0.000192 | 0.00148 J   | 0.00148 J     | <0.00270                            | <0.000286      | <0.000199        | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <0.000481           | 0.000421 J       | <0.00200    | 0.000338 J      | <0.000228             | <0.000623 | 0.00187                | 0.000711 J             |  |
|                                                                                        | 4/28/2021  | 0.00126        | <0.000500  | 0.00116      | <0.000192 | 0.00220 J   | 0.00220 J     | <0.00270                            | <0.000286      | 0.000203 J       | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | <0.000233                        | <0.000285          | <0.000174                  | <0.000481           | 0.000593 J       | <0.00200    | 0.000274 J      | <0.000228             | <0.000623 | 0.00150                | 0.000483 J             |  |
|                                                                                        | 5/5/2021   | 0.00149        | <0.000500  | 0.000834 J   | <0.000192 | 0.00124 J   | 0.00124 J     | &                                   |                |                  |                   |            |               |                 |                 |                                  |                    |                            |                     |                  |             |                 |                       |           |                        |                        |  |

| TABLE 1 - GROUNDWATER SAMPLING (VOCs) ANALYTICAL DATA SUMMARY                          |            |             |         |              |          |             |               |                                  |                |                  |                   |            |               |                 |                 |                               |                    |                          |                     |                  |             |                 |                       |            |                        |                        |  |  |
|----------------------------------------------------------------------------------------|------------|-------------|---------|--------------|----------|-------------|---------------|----------------------------------|----------------|------------------|-------------------|------------|---------------|-----------------|-----------------|-------------------------------|--------------------|--------------------------|---------------------|------------------|-------------|-----------------|-----------------------|------------|------------------------|------------------------|--|--|
| Permian EOR - Levey Well                                                               |            |             |         |              |          |             |               |                                  |                |                  |                   |            |               |                 |                 |                               |                    |                          |                     |                  |             |                 |                       |            |                        |                        |  |  |
| Hobbs, New Mexico                                                                      |            |             |         |              |          |             |               |                                  |                |                  |                   |            |               |                 |                 |                               |                    |                          |                     |                  |             |                 |                       |            |                        |                        |  |  |
| Well ID                                                                                | 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 | Chloroform | Chloromethane | 2-Chlorotoluene | 4-Chlorotoluene | p-Cymene (p-Isopropyltoluene) | 1,2-Dichloroethane | cis-1,2-Dichloroethylene | 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                | 0.1        | NE            | NE              | NE              | NE                            | 0.005              | NE                       | 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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000660                      | <0.000285          | <0.000174                | <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   | NA            | <0.00100        | <0.00100        | <0.00100                      | <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   | NA            | <0.00100        | <0.00100        | <0.00100                      | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00143                       | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00113                       | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00101                       | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000540 J                    | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00105                       | 0.000500 J         | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000710 J                    | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000470 J                    | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.00116                       | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000590 J                    | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000940 J                    | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000480 J                    | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000930 J                    | <0.000285          | <0.000174                | <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         | <0.000259  | NA            | <0.000214       | <0.000183       | 0.000720 J                    | <0.000285          | <0.000174                | <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          | <0.000259  | NA            | <0.00100        | <0.00100        | <0.00100                      | <0.00500           | <0.00500                 | <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   | <0.0100       | <0.00100        | <0.00100        | 0.000610 J                    | <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         | <0.00100   | <0.0100       | 0.00151         | <0.000183       | 0.00109                       | <0.000285          | <0.000174                | <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         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000579 J                    | <0.000285          | <0.000174                | <0.000481           | 0.00799          | <0.00200    | 0.00235         | <0.000228             | <0.000162  | 0.0237                 | <0.000279              |  |  |
|                                                                                        | 4/15/2021  | 0.0260      | 0.0132  | 0.0236       | 0.0176   | 0.129       | 0.147         | <0.00270                         | <0.000286      | <0.000199        | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000925 J                    | <0.000285          | <0.000174                | <0.000481           | 0.0102           | <0.00200    | 0.00320         | <0.000228             | <0.000162  | 0.0381                 | 0.00968                |  |  |
|                                                                                        | 4/21/2021  | 0.0220      | 0.00991 | 0.0180       | 0.0162   | 0.118       | 0.134         | <0.00270                         | 0.000776 J     | 0.00121          | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000901 J                    | <0.000285          | <0.000174                | <0.000481           | 0.0106           | <0.00200    | 0.00267         | <0.000228             | <0.000623  | 0.0364                 | <0.000279              |  |  |
|                                                                                        | 4/28/2021  | 0.0320      | 0.0265  | 0.0408       | 0.0297   | 0.187       | 0.217         | <0.00270                         | 0.00121        | 0.00159          | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.00127                       | <0.000285          | <0.000174                | <0.000481           | 0.0159           | <0.00200    | 0.00438         | <0.000228             | <0.000623  | 0.0496                 | 0.0126                 |  |  |
|                                                                                        | 5/5/2021   | 0.0234      | 0.0123  | 0.0180       | 0.0147   | 0.115       | 0.130         | <0.00270                         | 0.000841 J     | 0.00124          | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000766 J                    | <0.000285          | <0.000174                | <0.000481           | 0.00959          | <0.00200    | 0.00274         | <0.000228             | <0.000623  | 0.0331                 | <0.000279              |  |  |
|                                                                                        | 5/13/2021  | 0.0273      | 0.00926 | 0.0180       | 0.0165   | 0.115       | 0.132         | <0.00270                         | <0.000286      | 0.00123          | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000996 J                    | <0.000285          | <0.000174                | <0.000481           | 0.0112           | <0.00200    | 0.00303         | <0.000228             | <0.000623  | 0.0396                 | 0.00983                |  |  |
|                                                                                        | 5/19/2021  | 0.0246      | 0.0111  | 0.0276       | 0.0160   | 0.127       | 0.143         | <0.00270                         | 0.000834 J     | 0.00115          | <0.000195         | <0.000259  | <0.000318     | <0.000214       | <0.000183       | 0.000937 J                    | <0.000285          | <0.000174                | <0.000481           | 0.0106           | <0.00200    | 0.00354</       |                       |            |                        |                        |  |  |





| TABLE 2 - GROUNDWATER SAMPLING (General Water Chemistry) ANALYTICAL DATA SUMMARY       |            |         |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |
|----------------------------------------------------------------------------------------|------------|---------|----------|----------|--------------|--------------|---------|---------|-----------|-----------|--------|------------------------|------------------------------------|----------------------------------|----------------------|------|
| Permian EOR - Levey Well<br>Hobbs, New Mexico                                          |            |         |          |          |              |              |         |         |           |           |        |                        |                                    |                                  |                      |      |
| Well ID                                                                                | 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    | 2,210                  | 1,340                              | <4.00                            | 8.10                 | 6.27 |
|                                                                                        | 1/12/2021  | 0.605   | 326      | <0.500   | 0.137        | 1.05         | <0.500  | 324     | 64.3      | 5.68      | 97.8   | 1,680                  | 1,160                              | <4.00                            | 7.00                 | 6.57 |
|                                                                                        | 1/20/2021  | 0.796   | 486      | <0.500   | 0.138        | <0.100       | 7.68    | 397     | 73.0      | 6.00      | 127    | 2,170                  | 1,200                              | <4.00                            | 5.70                 | 6.24 |
|                                                                                        | 1/27/2021  | 0.510   | 264      | 0.905    | 0.137        | 1.16         | 23.1    | 296     | 55.1      | 4.75      | 83.1   | 1,350                  | 875                                | <4.00                            | 1.70                 | 6.38 |
|                                                                                        | 2/3/2021   | 0.501   | 275      | 0.842    | 0.122        | 1.02         | 20.5    | 329     | 59.0      | 4.76      | 89.4   | 1,370                  | 940                                | <4.00                            | 0.00                 | 6.37 |
|                                                                                        | 2/10/2021  | 0.615   | 561      | <0.500   | 0.147        | 0.308        | 24.9    | 416     | 77.9      | 7.03      | 156    | 1,980                  | 1,170                              | <4.00                            | 4.50                 | 6.3  |



| TABLE 2 - GROUNDWATER SAMPLING (General Water Chemistry) ANALYTICAL DATA SUMMARY       |            |                                  |          |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      |                      |      |
|----------------------------------------------------------------------------------------|------------|----------------------------------|----------|----------|--------------|--------------|---------|---------|-----------|-----------|--------|------------------------|-----------------------------------|---------------------------------|-------|------|----------------------|------|
| Permian EOR - Levey Well<br>Hobbs, New Mexico                                          |            |                                  |          |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      |                      |      |
| Well ID                                                                                | 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 |      |
| 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      | NA       |              |              |         |         |           |           |        |                        |                                   |                                 |       |      |                      |      |
|                                                                                        | 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      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.42                 |      |
|                                                                                        | 1/20/2021  | NA                               | 353      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.34                 |      |
|                                                                                        | 1/27/2021  | NA                               | 334      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.44                 |      |
|                                                                                        | 2/3/2021   | NA                               | 368      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.38                 |      |
|                                                                                        | 2/10/2021  | NA                               | 339      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.45                 |      |
|                                                                                        | 2/24/2021  | NA                               | 343      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.45                 |      |
|                                                                                        | 3/4/2021   | NA                               | 339      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.38                 |      |
|                                                                                        | 3/10/2021  | NA                               | 324      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.34                 |      |
|                                                                                        | 3/17/2021  | NA                               | 330      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 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  |                      |      |
| 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      | NA       |              |              |         |         |           |           |        |                        |                                   |                                 |       |      |                      |      |
|                                                                                        | 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      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.20                 |      |
|                                                                                        | 1/20/2021  | NA                               | 133      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.12                 |      |
|                                                                                        | 1/27/2021  | NA                               | 140      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.24                 |      |
|                                                                                        | 2/3/2021   | NA                               | 178      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.17                 |      |
|                                                                                        | 2/10/2021  | NA                               | 133      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.19                 |      |
|                                                                                        | 2/24/2021  | NA                               | 146      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.17                 |      |
|                                                                                        | 3/4/2021   | NA                               | 166      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.07                 |      |
|                                                                                        | 3/10/2021  | NA                               | 175      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 6.14                 |      |
|                                                                                        | 3/17/2021  | NA                               | 163      |          |              |              |         |         |           |           |        |                        |                                   |                                 |       |      | 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  |                      |      |



| TABLE 3 - GROUNDWATER SAMPLING (Additional Parameters) ANALYTICAL DATA SUMMARY         |            |                                  |                       |         |         |         |           |             |  |
|----------------------------------------------------------------------------------------|------------|----------------------------------|-----------------------|---------|---------|---------|-----------|-------------|--|
| Permian EOR - South Hobbs G/SA Unit                                                    |            |                                  |                       |         |         |         |           |             |  |
| Hobbs, New Mexico                                                                      |            |                                  |                       |         |         |         |           |             |  |
| Well ID                                                                                | Date       | (mg/l)                           |                       |         |         |         |           | °C          |  |
|                                                                                        |            | Sulfide                          | Carbon Dioxide (Free) | TPH GRO | TPH DRO | TPH MRO | 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        |  |



TABLE 3 - GROUNDWATER SAMPLING (Additional Parameters) ANALYTICAL DATA SUMMARY

Permian EOR - South Hobbs G/SA Unit

Hobbs, New Mexico

| Well ID                                                                                | Date       | (mg/l)                           |                       |         |         |         |           | °C          |  |
|----------------------------------------------------------------------------------------|------------|----------------------------------|-----------------------|---------|---------|---------|-----------|-------------|--|
|                                                                                        |            | Sulfide                          | Carbon Dioxide (Free) | TPH GRO | TPH DRO | TPH MRO | 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      |             |  |

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 - AIR SAMPLING (VOCs) ANALYTICAL DATA SUMMARY |           |      |         |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
|-------------------------------------------------------|-----------|------|---------|---------|--------------|------------------|---------------|-----------------|-------------|--------------------|------------------------|---------|--------------|----------------|------------------------|-------------------------|---------|----------|------------------|--------------------|---------------------|------------------|-----------------------------|---------------------|-------------|------------|---------|---------------------|-----------------|---------|-----------------------|-------------------|------------------------|------------------------|---------------|------------|----------|--------------------------|
| Permian EOR - Levey Well<br>Hobbs, New Mexico         |           |      |         |         |              |                  |               |                 |             |                    |                        |         |              |                |                        |                         |         |          |                  |                    |                     |                  |                             |                     |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |
| Well ID                                               | 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              | <1.39              | 122                 | 200              | <10.2                       | <1.64               | <6.60       | 205        | <1.70   | <2.72               | <1.18           | 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               |             |            |         |                     |                 |         |                       |                   |                        |                        |               |            |          |                          |





## APPENDIX C

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



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-8024-1

Laboratory Sample Delivery Group: Hobbs NM

Client Project/Site: Levey Well Hobb NM - 03B1417001

Sampling Event: Levey Well

For:

Ensolum  
705 W. Wadley  
Suite 210  
Midland, Texas 79701

Attn: Beaux Jennings

A handwritten signature in black ink that reads "J. Kramer".

Authorized for release by:  
11/12/2021 1:53:44 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

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

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

Laboratory Job ID: 880-8024-1  
SDG: Hobbs NM

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Definitions/Glossary

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

Job ID: 880-8024-1  
SDG: Hobbs NM

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.                                                       |

HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| H         | Sample was prepped or analyzed beyond the specified holding time                                               |
| H3        | Sample was received and analyzed past holding time.                                                            |
| 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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| 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.                                                       |

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                        |

Definitions/Glossary

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

Job ID: 880-8024-1  
SDG: Hobbs NM

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|-----------------------------------------------------------------------------|
| TEF          | Toxicity Equivalent Factor (Dioxin)                                         |
| TEQ          | Toxicity Equivalent Quotient (Dioxin)                                       |
| 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: Levey Well Hobb NM - 03B1417001

Job ID: 880-8024-1  
SDG: Hobbs NM

**Job ID: 880-8024-1****Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative  
880-8024-1****Receipt**

The sample was received on 11/8/2021 8:18 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 4.5°C

**Receipt Exceptions**

The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Levey Well (880-8024-1).

**GC/MS VOA**

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 860-29835 recovered outside control limits for the following analytes: Naphthalene. These analytes were biased high in the LCSD 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\_ORGFMS: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-29906 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300\_ORGFMS: The following sample was received outside of holding time: Levey Well (880-8024-1).

Method 300\_ORGFMS: The following sample was received outside of holding time: Levey Well (880-8024-1).

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

**Metals**

Method 200.7: The method blank for preparation batch 860-30023 and analytical batch 860-30362 contained calcium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 200.7: Due to the high concentration of calcium and sodium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 860-30023 and analytical batch 860-30362 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) 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

Job ID: 880-8024-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-8024-1

Date Collected: 11/05/21 13:10

Matrix: Water

Date Received: 11/08/21 08:18

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

| Analyte                              | Result          | Qualifier | RL      | Unit     | D    | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------|---------|----------|------|----------|----------------|---------|
| <b>Benzene</b>                       | <b>0.00286</b>  |           | 0.00100 | 0.000214 | mg/L |          | 11/09/21 20:46 | 1       |
| Bromobenzene                         | <0.000300       | U         | 0.00100 | 0.000300 | mg/L |          | 11/09/21 20:46 | 1       |
| Bromochloromethane                   | <0.000209       | U         | 0.00100 | 0.000209 | mg/L |          | 11/09/21 20:46 | 1       |
| Bromodichloromethane                 | <0.000231       | U         | 0.00100 | 0.000231 | mg/L |          | 11/09/21 20:46 | 1       |
| Bromoform                            | <0.000630       | U         | 0.00500 | 0.000630 | mg/L |          | 11/09/21 20:46 | 1       |
| Bromomethane                         | <0.00105        | U         | 0.00500 | 0.00105  | mg/L |          | 11/09/21 20:46 | 1       |
| <b>2-Butanone</b>                    | <b>0.00462</b>  | <b>J</b>  | 0.0500  | 0.00270  | mg/L |          | 11/09/21 20:46 | 1       |
| Carbon tetrachloride                 | <0.000423       | U         | 0.00500 | 0.000423 | mg/L |          | 11/09/21 20:46 | 1       |
| Chlorobenzene                        | <0.000159       | U         | 0.00100 | 0.000159 | mg/L |          | 11/09/21 20:46 | 1       |
| Chloroethane                         | <0.000433       | U         | 0.0100  | 0.000433 | mg/L |          | 11/09/21 20:46 | 1       |
| Chloroform                           | <0.000259       | U         | 0.00100 | 0.000259 | mg/L |          | 11/09/21 20:46 | 1       |
| Chloromethane                        | <0.000318       | U         | 0.0100  | 0.000318 | mg/L |          | 11/09/21 20:46 | 1       |
| 2-Chlorotoluene                      | <0.000214       | U         | 0.00100 | 0.000214 | mg/L |          | 11/09/21 20:46 | 1       |
| 4-Chlorotoluene                      | <0.000183       | U         | 0.00100 | 0.000183 | mg/L |          | 11/09/21 20:46 | 1       |
| cis-1,2-Dichloroethene               | <0.000174       | U         | 0.00100 | 0.000174 | mg/L |          | 11/09/21 20:46 | 1       |
| cis-1,3-Dichloropropene              | <0.000690       | U         | 0.00500 | 0.000690 | mg/L |          | 11/09/21 20:46 | 1       |
| Dibromochloromethane                 | <0.000739       | U         | 0.00500 | 0.000739 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,2-Dibromo-3-Chloropropane          | <0.000319       | U         | 0.00100 | 0.000319 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,2-Dibromoethane                    | <0.000337       | U         | 0.00500 | 0.000337 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,2-Dichlorobenzene                  | <0.000236       | U         | 0.00100 | 0.000236 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,3-Dichlorobenzene                  | <0.000197       | U         | 0.00100 | 0.000197 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,4-Dichlorobenzene                  | <0.000199       | U         | 0.00100 | 0.000199 | mg/L |          | 11/09/21 20:46 | 1       |
| Dichlorodifluoromethane              | <0.000316       | U         | 0.00100 | 0.000316 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,1-Dichloroethane                   | <0.000244       | U         | 0.00100 | 0.000244 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,2-Dichloroethane                   | <0.000285       | U         | 0.00100 | 0.000285 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,1-Dichloroethene                   | <0.000216       | U         | 0.00100 | 0.000216 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,2-Dichloropropane                  | <0.000396       | U         | 0.00500 | 0.000396 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,3-Dichloropropane                  | <0.000439       | U         | 0.00500 | 0.000439 | mg/L |          | 11/09/21 20:46 | 1       |
| 2,2-Dichloropropane                  | <0.000360       | U         | 0.00500 | 0.000360 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,1-Dichloropropene                  | <0.000481       | U         | 0.00500 | 0.000481 | mg/L |          | 11/09/21 20:46 | 1       |
| <b>Ethylbenzene</b>                  | <b>0.0115</b>   |           | 0.00100 | 0.000515 | mg/L |          | 11/09/21 20:46 | 1       |
| Hexachlorobutadiene                  | <0.00200        | U         | 0.00500 | 0.00200  | mg/L |          | 11/09/21 20:46 | 1       |
| <b>Isopropylbenzene</b>              | <b>0.00552</b>  |           | 0.00100 | 0.000161 | mg/L |          | 11/09/21 20:46 | 1       |
| Methylene Chloride                   | <0.00191        | U         | 0.00500 | 0.00191  | mg/L |          | 11/09/21 20:46 | 1       |
| <b>m,p-Xylenes</b>                   | <b>0.0428</b>   |           | 0.0100  | 0.000330 | mg/L |          | 11/09/21 20:46 | 1       |
| MTBE                                 | <0.000571       | U         | 0.00500 | 0.000571 | mg/L |          | 11/09/21 20:46 | 1       |
| Naphthalene                          | <0.00200        | U *+      | 0.0100  | 0.00200  | mg/L |          | 11/09/21 20:46 | 1       |
| n-Butylbenzene                       | <0.000286       | U         | 0.00100 | 0.000286 | mg/L |          | 11/09/21 20:46 | 1       |
| <b>N-Propylbenzene</b>               | <b>0.00371</b>  |           | 0.00100 | 0.000179 | mg/L |          | 11/09/21 20:46 | 1       |
| <b>o-Xylene</b>                      | <b>0.00643</b>  |           | 0.00100 | 0.000192 | mg/L |          | 11/09/21 20:46 | 1       |
| <b>p-Cymene (p-Isopropyltoluene)</b> | <b>0.000688</b> | <b>J</b>  | 0.00100 | 0.000233 | mg/L |          | 11/09/21 20:46 | 1       |
| sec-Butylbenzene                     | <0.000199       | U         | 0.00100 | 0.000199 | mg/L |          | 11/09/21 20:46 | 1       |
| Styrene                              | <0.000623       | U         | 0.00100 | 0.000623 | mg/L |          | 11/09/21 20:46 | 1       |
| tert-Butylbenzene                    | <0.000195       | U         | 0.00100 | 0.000195 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,1,1,2-Tetrachloroethane            | <0.000327       | U         | 0.00100 | 0.000327 | mg/L |          | 11/09/21 20:46 | 1       |
| 1,1,2,2-Tetrachloroethane            | <0.000284       | U         | 0.00100 | 0.000284 | mg/L |          | 11/09/21 20:46 | 1       |
| Tetrachloroethene                    | <0.000500       | U         | 0.00100 | 0.000500 | mg/L |          | 11/09/21 20:46 | 1       |
| <b>Toluene</b>                       | <b>0.0223</b>   |           | 0.00100 | 0.000500 | mg/L |          | 11/09/21 20:46 | 1       |
| trans-1,2-Dichloroethene             | <0.000256       | U         | 0.00100 | 0.000256 | mg/L |          | 11/09/21 20:46 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Ensolum

Job ID: 880-8024-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-8024-1

Date Collected: 11/05/21 13:10

Matrix: Water

Date Received: 11/08/21 08:18

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

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.000752 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/09/21 20:46 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 20:46 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 20:46 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/09/21 20:46 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/09/21 20:46 | 1       |
| Trichloroethene           | <0.000424 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/10/21 14:11 | 1       |
| Trichlorofluoromethane    | <0.000245 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/09/21 20:46 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/09/21 20:46 | 1       |
| 1,2,4-Trimethylbenzene    | 0.0288    |           | 0.00100 | 0.000252 mg/L |   |          | 11/09/21 20:46 | 1       |
| 1,3,5-Trimethylbenzene    | 0.00852   |           | 0.00100 | 0.000279 mg/L |   |          | 11/09/21 20:46 | 1       |
| Vinyl chloride            | <0.000234 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/09/21 20:46 | 1       |
| Xylenes, Total            | 0.0492    |           | 0.0100  | 0.000330 mg/L |   |          | 11/09/21 20:46 | 1       |
| Total BTEX                | 0.0859    |           | 0.0100  | 0.00100 mg/L  |   |          | 11/09/21 20:46 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 100       |           | 74 - 124 |          | 11/09/21 20:46 | 1       |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 74 - 124 |          | 11/10/21 14:11 | 1       |
| Dibromofluoromethane (Surr)  | 98        |           | 75 - 131 |          | 11/09/21 20:46 | 1       |
| Dibromofluoromethane (Surr)  | 98        |           | 75 - 131 |          | 11/10/21 14:11 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 63 - 144 |          | 11/09/21 20:46 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 63 - 144 |          | 11/10/21 14:11 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 117 |          | 11/09/21 20:46 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 117 |          | 11/10/21 14:11 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result  | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
| Bromide      | 0.367   | J         | 0.500 | 0.0711 mg/L |   |          | 11/09/21 16:55 | 1       |
| Nitrate as N | 0.220   | H H3      | 0.100 | 0.0391 mg/L |   |          | 11/09/21 16:55 | 1       |
| Chloride     | 231     |           | 0.500 | 0.200 mg/L  |   |          | 11/11/21 14:52 | 1       |
| Nitrite as N | <0.0293 | U H H3    | 0.100 | 0.0293 mg/L |   |          | 11/09/21 16:55 | 1       |
| Fluoride     | 1.45    |           | 0.500 | 0.100 mg/L  |   |          | 11/09/21 16:55 | 1       |
| Sulfate      | 41.7    |           | 0.500 | 0.109 mg/L  |   |          | 11/09/21 16:55 | 1       |

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

| Analyte   | Result | Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | 328    | B         | 10.0  | 1.47 mg/L   |   | 11/10/21 07:35 | 11/11/21 13:48 | 50      |
| Magnesium | 63.6   |           | 0.200 | 0.0500 mg/L |   | 11/10/21 07:35 | 11/11/21 13:41 | 1       |
| Potassium | 5.06   |           | 0.500 | 0.107 mg/L  |   | 11/10/21 07:35 | 11/11/21 13:41 | 1       |
| Sodium    | 90.7   |           | 0.500 | 0.0667 mg/L |   | 11/10/21 07:35 | 11/11/21 13:41 | 1       |
| SiO2      | 68.4   |           | 1.07  | 0.0781 mg/L |   | 11/10/21 07:35 | 11/11/21 13:41 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Anion/Cation Balance            | 5.76   |           |      | %         |   |          | 11/12/21 11:37 | 1       |
| Alkalinity                      | 657    |           | 4.00 | 4.00 mg/L |   |          | 11/10/21 16:12 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 657    |           | 4.00 | 4.00 mg/L |   |          | 11/10/21 16:12 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/10/21 16:12 | 1       |
| Hydroxide Alkalinity            | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/10/21 16:12 | 1       |
| Phenolphthalein Alkalinity      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/10/21 16:12 | 1       |
| Total Dissolved Solids          | 1050   |           | 10.0 | 10.0 mg/L |   |          | 11/09/21 18:28 | 1       |

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

Client Sample ID: Levey Well  
Date Collected: 11/05/21 13:10  
Date Received: 11/08/21 08:18

Lab Sample ID: 880-8024-1  
Matrix: Water

| General Chemistry (Continued) |        |           |    |         |   |          |                |     |     |
|-------------------------------|--------|-----------|----|---------|---|----------|----------------|-----|-----|
| Analyte                       | Result | Qualifier | RL | Unit    | D | Prepared | Analyzed       | Dil | Fac |
| pH                            | 6.9    | HF        |    | SU      |   |          | 11/10/21 16:35 | 1   |     |
| Temperature                   | 22.3   | HF        |    | Celsius |   |          | 11/10/21 16:35 | 1   |     |

Surrogate Summary

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

Job ID: 880-8024-1  
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) | (80-117) |
| 860-15153-Q-4 MS   | Matrix Spike           | 100                                            | 99       | 102      | 99       |
| 860-15153-Q-12 MS  | Matrix Spike           | 100                                            | 100      | 101      | 100      |
| 880-8024-1         | Levey Well             | 100                                            | 98       | 105      | 103      |
| 880-8024-1         | Levey Well             | 102                                            | 98       | 105      | 103      |
| LCS 860-29835/1009 | Lab Control Sample     | 100                                            | 100      | 100      | 100      |
| LCS 860-30029/3    | Lab Control Sample     | 101                                            | 101      | 99       | 99       |
| LCSD 860-29835/10  | Lab Control Sample Dup | 101                                            | 100      | 100      | 99       |
| LCSD 860-30029/4   | Lab Control Sample Dup | 99                                             | 98       | 97       | 100      |
| MB 860-29835/15    | Method Blank           | 100                                            | 98       | 101      | 102      |
| MB 860-30029/10    | Method Blank           | 100                                            | 100      | 102      | 101      |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)



## QC Sample Results

Client: Ensolum

Job ID: 880-8024-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: MB 860-29835/15

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 29835

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromobenzene                  | <0.000300 | U            | 0.00100 | 0.000300 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromochloromethane            | <0.000209 | U            | 0.00100 | 0.000209 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromodichloromethane          | <0.000231 | U            | 0.00100 | 0.000231 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromoform                     | <0.000630 | U            | 0.00500 | 0.000630 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromomethane                  | <0.00105  | U            | 0.00500 | 0.00105 mg/L  |   |          | 11/09/21 15:38 | 1       |
| 2-Butanone                    | <0.00270  | U            | 0.0500  | 0.00270 mg/L  |   |          | 11/09/21 15:38 | 1       |
| Carbon tetrachloride          | <0.000423 | U            | 0.00500 | 0.000423 mg/L |   |          | 11/09/21 15:38 | 1       |
| Chlorobenzene                 | <0.000159 | U            | 0.00100 | 0.000159 mg/L |   |          | 11/09/21 15:38 | 1       |
| Chloroethane                  | <0.000433 | U            | 0.0100  | 0.000433 mg/L |   |          | 11/09/21 15:38 | 1       |
| Chloroform                    | <0.000259 | U            | 0.00100 | 0.000259 mg/L |   |          | 11/09/21 15:38 | 1       |
| Chloromethane                 | <0.000318 | U            | 0.0100  | 0.000318 mg/L |   |          | 11/09/21 15:38 | 1       |
| 2-Chlorotoluene               | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/09/21 15:38 | 1       |
| 4-Chlorotoluene               | <0.000183 | U            | 0.00100 | 0.000183 mg/L |   |          | 11/09/21 15:38 | 1       |
| cis-1,2-Dichloroethene        | <0.000174 | U            | 0.00100 | 0.000174 mg/L |   |          | 11/09/21 15:38 | 1       |
| cis-1,3-Dichloropropene       | <0.000690 | U            | 0.00500 | 0.000690 mg/L |   |          | 11/09/21 15:38 | 1       |
| Dibromochloromethane          | <0.000739 | U            | 0.00500 | 0.000739 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.000319 | U            | 0.00100 | 0.000319 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dibromoethane             | <0.000337 | U            | 0.00500 | 0.000337 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dichlorobenzene           | <0.000236 | U            | 0.00100 | 0.000236 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,3-Dichlorobenzene           | <0.000197 | U            | 0.00100 | 0.000197 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,4-Dichlorobenzene           | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/09/21 15:38 | 1       |
| Dichlorodifluoromethane       | <0.000316 | U            | 0.00100 | 0.000316 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1-Dichloroethane            | <0.000244 | U            | 0.00100 | 0.000244 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dichloroethane            | <0.000285 | U            | 0.00100 | 0.000285 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U            | 0.00100 | 0.000216 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U            | 0.00500 | 0.000396 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U            | 0.00500 | 0.000439 mg/L |   |          | 11/09/21 15:38 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U            | 0.00500 | 0.000360 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U            | 0.00500 | 0.000481 mg/L |   |          | 11/09/21 15:38 | 1       |
| Ethylbenzene                  | <0.000515 | U            | 0.00100 | 0.000515 mg/L |   |          | 11/09/21 15:38 | 1       |
| Hexachlorobutadiene           | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 15:38 | 1       |
| Isopropylbenzene              | <0.000161 | U            | 0.00100 | 0.000161 mg/L |   |          | 11/09/21 15:38 | 1       |
| Methylene Chloride            | <0.00191  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/09/21 15:38 | 1       |
| m,p-Xylenes                   | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/09/21 15:38 | 1       |
| MTBE                          | <0.000571 | U            | 0.00500 | 0.000571 mg/L |   |          | 11/09/21 15:38 | 1       |
| Naphthalene                   | <0.00200  | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/09/21 15:38 | 1       |
| n-Butylbenzene                | <0.000286 | U            | 0.00100 | 0.000286 mg/L |   |          | 11/09/21 15:38 | 1       |
| N-Propylbenzene               | <0.000179 | U            | 0.00100 | 0.000179 mg/L |   |          | 11/09/21 15:38 | 1       |
| o-Xylene                      | <0.000192 | U            | 0.00100 | 0.000192 mg/L |   |          | 11/09/21 15:38 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U            | 0.00100 | 0.000233 mg/L |   |          | 11/09/21 15:38 | 1       |
| sec-Butylbenzene              | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/09/21 15:38 | 1       |
| Styrene                       | <0.000623 | U            | 0.00100 | 0.000623 mg/L |   |          | 11/09/21 15:38 | 1       |
| tert-Butylbenzene             | <0.000195 | U            | 0.00100 | 0.000195 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U            | 0.00100 | 0.000327 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U            | 0.00100 | 0.000284 mg/L |   |          | 11/09/21 15:38 | 1       |
| Tetrachloroethene             | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/09/21 15:38 | 1       |
| Toluene                       | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/09/21 15:38 | 1       |

Eurofins Xenco, Midland

## QC Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

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

Lab Sample ID: MB 860-29835/15

Matrix: Water

Analysis Batch: 29835

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  | <0.000256 | U            | 0.00100 | 0.000256 mg/L |   |          | 11/09/21 15:38 | 1       |
| trans-1,3-Dichloropropene | <0.000752 | U            | 0.00500 | 0.000752 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 15:38 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 15:38 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U            | 0.00500 | 0.000504 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U            | 0.00100 | 0.000228 mg/L |   |          | 11/09/21 15:38 | 1       |
| Trichloroethene           | <0.000424 | U            | 0.00500 | 0.000424 mg/L |   |          | 11/09/21 15:38 | 1       |
| Trichlorofluoromethane    | <0.000245 | U            | 0.00100 | 0.000245 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U            | 0.00100 | 0.000283 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000252 | U            | 0.00100 | 0.000252 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000279 | U            | 0.00100 | 0.000279 mg/L |   |          | 11/09/21 15:38 | 1       |
| Vinyl chloride            | <0.000234 | U            | 0.00200 | 0.000234 mg/L |   |          | 11/09/21 15:38 | 1       |
| Xylenes, Total            | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/09/21 15:38 | 1       |
| Total BTEX                | <0.00100  | U            | 0.0100  | 0.00100 mg/L  |   |          | 11/09/21 15:38 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 100          |              | 74 - 124 |          | 11/09/21 15:38 | 1       |
| Dibromofluoromethane (Surr)  | 98           |              | 75 - 131 |          | 11/09/21 15:38 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101          |              | 63 - 144 |          | 11/09/21 15:38 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 80 - 117 |          | 11/09/21 15:38 | 1       |

Lab Sample ID: LCS 860-29835/1009

Matrix: Water

Analysis Batch: 29835

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      | 0.04872    |               | mg/L |   | 97   | 66 - 142     |
| Bromobenzene                | 0.0500      | 0.05137    |               | mg/L |   | 103  | 75 - 125     |
| Bromochloromethane          | 0.0500      | 0.05070    |               | mg/L |   | 101  | 60 - 140     |
| Bromodichloromethane        | 0.0500      | 0.05140    |               | mg/L |   | 103  | 75 - 125     |
| Bromoform                   | 0.0500      | 0.05338    |               | mg/L |   | 107  | 75 - 125     |
| Bromomethane                | 0.0500      | 0.05090    |               | mg/L |   | 102  | 60 - 140     |
| 2-Butanone                  | 0.250       | 0.2661     |               | mg/L |   | 106  | 60 - 140     |
| Carbon tetrachloride        | 0.0500      | 0.05005    |               | mg/L |   | 100  | 62 - 125     |
| Chlorobenzene               | 0.0500      | 0.05213    |               | mg/L |   | 104  | 60 - 133     |
| Chloroethane                | 0.0500      | 0.04932    |               | mg/L |   | 99   | 60 - 140     |
| Chloroform                  | 0.0500      | 0.05142    |               | mg/L |   | 103  | 70 - 130     |
| Chloromethane               | 0.0500      | 0.04939    |               | mg/L |   | 99   | 60 - 140     |
| 2-Chlorotoluene             | 0.0500      | 0.05178    |               | mg/L |   | 104  | 73 - 125     |
| 4-Chlorotoluene             | 0.0500      | 0.05181    |               | mg/L |   | 104  | 74 - 125     |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05167    |               | mg/L |   | 103  | 75 - 125     |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05229    |               | mg/L |   | 105  | 74 - 125     |
| Dibromochloromethane        | 0.0500      | 0.05191    |               | mg/L |   | 104  | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05372    |               | mg/L |   | 107  | 59 - 125     |
| 1,2-Dibromoethane           | 0.0500      | 0.05266    |               | mg/L |   | 105  | 73 - 125     |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05158    |               | mg/L |   | 103  | 75 - 125     |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05194    |               | mg/L |   | 104  | 75 - 125     |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05105    |               | mg/L |   | 102  | 75 - 125     |

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## QC Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

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

Lab Sample ID: LCS 860-29835/1009

Matrix: Water

Analysis Batch: 29835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Dichlorodifluoromethane       | 0.0500      | 0.05047    |               | mg/L |   | 101  | 70 - 130     |
| 1,1-Dichloroethane            | 0.0500      | 0.05200    |               | mg/L |   | 104  | 72 - 125     |
| 1,2-Dichloroethane            | 0.0500      | 0.05097    |               | mg/L |   | 102  | 68 - 127     |
| 1,1-Dichloroethene            | 0.0500      | 0.04715    |               | mg/L |   | 94   | 59 - 172     |
| 1,2-Dichloropropane           | 0.0500      | 0.05122    |               | mg/L |   | 102  | 74 - 125     |
| 1,3-Dichloropropane           | 0.0500      | 0.05135    |               | mg/L |   | 103  | 75 - 125     |
| 2,2-Dichloropropane           | 0.0500      | 0.05189    |               | mg/L |   | 104  | 75 - 125     |
| 1,1-Dichloropropene           | 0.0500      | 0.05328    |               | mg/L |   | 107  | 75 - 125     |
| Ethylbenzene                  | 0.0500      | 0.05326    |               | mg/L |   | 107  | 75 - 125     |
| Hexachlorobutadiene           | 0.0500      | 0.05429    |               | mg/L |   | 109  | 75 - 125     |
| Isopropylbenzene              | 0.0500      | 0.04727    |               | mg/L |   | 95   | 75 - 125     |
| Methylene Chloride            | 0.0500      | 0.04976    |               | mg/L |   | 100  | 75 - 125     |
| m,p-Xylenes                   | 0.0500      | 0.05277    |               | mg/L |   | 106  | 75 - 125     |
| MTBE                          | 0.0500      | 0.05202    |               | mg/L |   | 104  | 65 - 135     |
| Naphthalene                   | 0.0500      | 0.05156    |               | mg/L |   | 103  | 70 - 130     |
| n-Butylbenzene                | 0.0500      | 0.05302    |               | mg/L |   | 106  | 75 - 125     |
| N-Propylbenzene               | 0.0500      | 0.05258    |               | mg/L |   | 105  | 75 - 125     |
| o-Xylene                      | 0.0500      | 0.05330    |               | mg/L |   | 107  | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05362    |               | mg/L |   | 107  | 75 - 125     |
| sec-Butylbenzene              | 0.0500      | 0.05334    |               | mg/L |   | 107  | 75 - 125     |
| Styrene                       | 0.0500      | 0.04705    |               | mg/L |   | 94   | 75 - 125     |
| tert-Butylbenzene             | 0.0500      | 0.05342    |               | mg/L |   | 107  | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05236    |               | mg/L |   | 105  | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05153    |               | mg/L |   | 103  | 74 - 125     |
| Tetrachloroethene             | 0.0500      | 0.05299    |               | mg/L |   | 106  | 71 - 125     |
| Toluene                       | 0.0500      | 0.05123    |               | mg/L |   | 102  | 59 - 139     |
| trans-1,2-Dichloroethene      | 0.0500      | 0.05245    |               | mg/L |   | 105  | 75 - 125     |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05200    |               | mg/L |   | 104  | 66 - 125     |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05057    |               | mg/L |   | 101  | 75 - 137     |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.04624    |               | mg/L |   | 92   | 75 - 135     |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05267    |               | mg/L |   | 105  | 75 - 125     |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05155    |               | mg/L |   | 103  | 75 - 127     |
| Trichloroethene               | 0.0500      | 0.05213    |               | mg/L |   | 104  | 62 - 137     |
| Trichlorofluoromethane        | 0.0500      | 0.05312    |               | mg/L |   | 106  | 60 - 140     |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05385    |               | mg/L |   | 108  | 75 - 125     |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05330    |               | mg/L |   | 107  | 75 - 125     |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05294    |               | mg/L |   | 106  | 60 - 140     |
| Vinyl chloride                | 0.0500      | 0.05303    |               | mg/L |   | 106  | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 100           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 63 - 144 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 117 |

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## QC Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-29835/10

Matrix: Water

Analysis Batch: 29835

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         | 0.05072        |                   | mg/L |   | 101  | 66 - 142        | 4   | 25           |
| Bromobenzene                  | 0.0500         | 0.05348        |                   | mg/L |   | 107  | 75 - 125        | 4   | 25           |
| Bromochloromethane            | 0.0500         | 0.05271        |                   | mg/L |   | 105  | 60 - 140        | 4   | 25           |
| Bromodichloromethane          | 0.0500         | 0.05406        |                   | mg/L |   | 108  | 75 - 125        | 5   | 25           |
| Bromoform                     | 0.0500         | 0.05552        |                   | mg/L |   | 111  | 75 - 125        | 4   | 25           |
| Bromomethane                  | 0.0500         | 0.05408        |                   | mg/L |   | 108  | 60 - 140        | 6   | 25           |
| 2-Butanone                    | 0.250          | 0.2743         |                   | mg/L |   | 110  | 60 - 140        | 3   | 25           |
| Carbon tetrachloride          | 0.0500         | 0.05023        |                   | mg/L |   | 100  | 62 - 125        | 0   | 25           |
| Chlorobenzene                 | 0.0500         | 0.05320        |                   | mg/L |   | 106  | 60 - 133        | 2   | 25           |
| Chloroethane                  | 0.0500         | 0.05342        |                   | mg/L |   | 107  | 60 - 140        | 8   | 25           |
| Chloroform                    | 0.0500         | 0.05313        |                   | mg/L |   | 106  | 70 - 130        | 3   | 25           |
| Chloromethane                 | 0.0500         | 0.05223        |                   | mg/L |   | 104  | 60 - 140        | 6   | 25           |
| 2-Chlorotoluene               | 0.0500         | 0.05359        |                   | mg/L |   | 107  | 73 - 125        | 3   | 25           |
| 4-Chlorotoluene               | 0.0500         | 0.05353        |                   | mg/L |   | 107  | 74 - 125        | 3   | 25           |
| cis-1,2-Dichloroethene        | 0.0500         | 0.05326        |                   | mg/L |   | 107  | 75 - 125        | 3   | 25           |
| cis-1,3-Dichloropropene       | 0.0500         | 0.05485        |                   | mg/L |   | 110  | 74 - 125        | 5   | 25           |
| Dibromochloromethane          | 0.0500         | 0.05411        |                   | mg/L |   | 108  | 73 - 125        | 4   | 25           |
| 1,2-Dibromo-3-Chloropropane   | 0.0500         | 0.05935        |                   | mg/L |   | 119  | 59 - 125        | 10  | 25           |
| 1,2-Dibromoethane             | 0.0500         | 0.05408        |                   | mg/L |   | 108  | 73 - 125        | 3   | 25           |
| 1,2-Dichlorobenzene           | 0.0500         | 0.05419        |                   | mg/L |   | 108  | 75 - 125        | 5   | 25           |
| 1,3-Dichlorobenzene           | 0.0500         | 0.05392        |                   | mg/L |   | 108  | 75 - 125        | 4   | 25           |
| 1,4-Dichlorobenzene           | 0.0500         | 0.05306        |                   | mg/L |   | 106  | 75 - 125        | 4   | 25           |
| Dichlorodifluoromethane       | 0.0500         | 0.05264        |                   | mg/L |   | 105  | 70 - 130        | 4   | 25           |
| 1,1-Dichloroethane            | 0.0500         | 0.05339        |                   | mg/L |   | 107  | 72 - 125        | 3   | 25           |
| 1,2-Dichloroethane            | 0.0500         | 0.05255        |                   | mg/L |   | 105  | 68 - 127        | 3   | 25           |
| 1,1-Dichloroethene            | 0.0500         | 0.04708        |                   | mg/L |   | 94   | 59 - 172        | 0   | 25           |
| 1,2-Dichloropropane           | 0.0500         | 0.05316        |                   | mg/L |   | 106  | 74 - 125        | 4   | 25           |
| 1,3-Dichloropropane           | 0.0500         | 0.05280        |                   | mg/L |   | 106  | 75 - 125        | 3   | 25           |
| 2,2-Dichloropropane           | 0.0500         | 0.05204        |                   | mg/L |   | 104  | 75 - 125        | 0   | 25           |
| 1,1-Dichloropropene           | 0.0500         | 0.05322        |                   | mg/L |   | 106  | 75 - 125        | 0   | 25           |
| Ethylbenzene                  | 0.0500         | 0.05420        |                   | mg/L |   | 108  | 75 - 125        | 2   | 25           |
| Hexachlorobutadiene           | 0.0500         | 0.05917        |                   | mg/L |   | 118  | 75 - 125        | 9   | 25           |
| Isopropylbenzene              | 0.0500         | 0.04766        |                   | mg/L |   | 95   | 75 - 125        | 1   | 25           |
| Methylene Chloride            | 0.0500         | 0.05086        |                   | mg/L |   | 102  | 75 - 125        | 2   | 25           |
| m,p-Xylenes                   | 0.0500         | 0.05392        |                   | mg/L |   | 108  | 75 - 125        | 2   | 25           |
| MTBE                          | 0.0500         | 0.05410        |                   | mg/L |   | 108  | 65 - 135        | 4   | 25           |
| Naphthalene                   | 0.0500         | 0.06598        | *+                | mg/L |   | 132  | 70 - 130        | 25  | 25           |
| n-Butylbenzene                | 0.0500         | 0.05505        |                   | mg/L |   | 110  | 75 - 125        | 4   | 25           |
| N-Propylbenzene               | 0.0500         | 0.05421        |                   | mg/L |   | 108  | 75 - 125        | 3   | 25           |
| o-Xylene                      | 0.0500         | 0.05415        |                   | mg/L |   | 108  | 75 - 125        | 2   | 25           |
| p-Cymene (p-Isopropyltoluene) | 0.0500         | 0.05553        |                   | mg/L |   | 111  | 75 - 125        | 4   | 25           |
| sec-Butylbenzene              | 0.0500         | 0.05465        |                   | mg/L |   | 109  | 75 - 125        | 2   | 25           |
| Styrene                       | 0.0500         | 0.04787        |                   | mg/L |   | 96   | 75 - 125        | 2   | 25           |
| tert-Butylbenzene             | 0.0500         | 0.05506        |                   | mg/L |   | 110  | 75 - 125        | 3   | 25           |
| 1,1,1,2-Tetrachloroethane     | 0.0500         | 0.05442        |                   | mg/L |   | 109  | 72 - 125        | 4   | 25           |
| 1,1,2,2-Tetrachloroethane     | 0.0500         | 0.05500        |                   | mg/L |   | 110  | 74 - 125        | 7   | 25           |
| Tetrachloroethene             | 0.0500         | 0.05389        |                   | mg/L |   | 108  | 71 - 125        | 2   | 25           |
| Toluene                       | 0.0500         | 0.05243        |                   | mg/L |   | 105  | 59 - 139        | 2   | 25           |

Eurofins Xenco, Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-8024-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-29835/10

Matrix: Water

Analysis Batch: 29835

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      | 0.05383     |                | mg/L |   | 108  | 75 - 125     | 3   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05448     |                | mg/L |   | 109  | 66 - 125     | 5   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.06445     |                | mg/L |   | 129  | 75 - 137     | 24  | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05358     |                | mg/L |   | 107  | 75 - 135     | 15  | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05253     |                | mg/L |   | 105  | 75 - 125     | 0   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05341     |                | mg/L |   | 107  | 75 - 127     | 4   | 25        |
| Trichloroethene           | 0.0500      | 0.05393     |                | mg/L |   | 108  | 62 - 137     | 3   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.05608     |                | mg/L |   | 112  | 60 - 140     | 5   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05725     |                | mg/L |   | 115  | 75 - 125     | 6   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05536     |                | mg/L |   | 111  | 75 - 125     | 4   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05450     |                | mg/L |   | 109  | 60 - 140     | 3   | 25        |
| Vinyl chloride            | 0.0500      | 0.05611     |                | mg/L |   | 112  | 60 - 140     | 6   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 101            |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 100            |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 100            |                | 63 - 144    |
| Toluene-d8 (Surr)            | 99             |                | 80 - 117    |

Lab Sample ID: MB 860-30029/10

Matrix: Water

Analysis Batch: 30029

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL      | Unit     | D    | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|---------|----------|------|----------|----------------|---------|
| Benzene                     | <0.000214 | U            | 0.00100 | 0.000214 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromobenzene                | <0.000300 | U            | 0.00100 | 0.000300 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromochloromethane          | <0.000209 | U            | 0.00100 | 0.000209 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromodichloromethane        | <0.000231 | U            | 0.00100 | 0.000231 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromoform                   | <0.000630 | U            | 0.00500 | 0.000630 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromomethane                | <0.00105  | U            | 0.00500 | 0.00105  | mg/L |          | 11/10/21 11:27 | 1       |
| 2-Butanone                  | <0.00270  | U            | 0.0500  | 0.00270  | mg/L |          | 11/10/21 11:27 | 1       |
| Carbon tetrachloride        | <0.000423 | U            | 0.00500 | 0.000423 | mg/L |          | 11/10/21 11:27 | 1       |
| Chlorobenzene               | <0.000159 | U            | 0.00100 | 0.000159 | mg/L |          | 11/10/21 11:27 | 1       |
| Chloroethane                | <0.000433 | U            | 0.0100  | 0.000433 | mg/L |          | 11/10/21 11:27 | 1       |
| Chloroform                  | <0.000259 | U            | 0.00100 | 0.000259 | mg/L |          | 11/10/21 11:27 | 1       |
| Chloromethane               | <0.000318 | U            | 0.0100  | 0.000318 | mg/L |          | 11/10/21 11:27 | 1       |
| 2-Chlorotoluene             | <0.000214 | U            | 0.00100 | 0.000214 | mg/L |          | 11/10/21 11:27 | 1       |
| 4-Chlorotoluene             | <0.000183 | U            | 0.00100 | 0.000183 | mg/L |          | 11/10/21 11:27 | 1       |
| cis-1,2-Dichloroethene      | <0.000174 | U            | 0.00100 | 0.000174 | mg/L |          | 11/10/21 11:27 | 1       |
| cis-1,3-Dichloropropene     | <0.000690 | U            | 0.00500 | 0.000690 | mg/L |          | 11/10/21 11:27 | 1       |
| Dibromochloromethane        | <0.000739 | U            | 0.00500 | 0.000739 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.000319 | U            | 0.00100 | 0.000319 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,2-Dibromoethane           | <0.000337 | U            | 0.00500 | 0.000337 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,2-Dichlorobenzene         | <0.000236 | U            | 0.00100 | 0.000236 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,3-Dichlorobenzene         | <0.000197 | U            | 0.00100 | 0.000197 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,4-Dichlorobenzene         | <0.000199 | U            | 0.00100 | 0.000199 | mg/L |          | 11/10/21 11:27 | 1       |
| Dichlorodifluoromethane     | <0.000316 | U            | 0.00100 | 0.000316 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,1-Dichloroethane          | <0.000244 | U            | 0.00100 | 0.000244 | mg/L |          | 11/10/21 11:27 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8024-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: MB 860-30029/10

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 30029

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| 1,2-Dichloroethane            | <0.000285 | U            | 0.00100 | 0.000285 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U            | 0.00100 | 0.000216 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U            | 0.00500 | 0.000396 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U            | 0.00500 | 0.000439 mg/L |   |          | 11/10/21 11:27 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U            | 0.00500 | 0.000360 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U            | 0.00500 | 0.000481 mg/L |   |          | 11/10/21 11:27 | 1       |
| Ethylbenzene                  | <0.000515 | U            | 0.00100 | 0.000515 mg/L |   |          | 11/10/21 11:27 | 1       |
| Hexachlorobutadiene           | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/10/21 11:27 | 1       |
| Isopropylbenzene              | <0.000161 | U            | 0.00100 | 0.000161 mg/L |   |          | 11/10/21 11:27 | 1       |
| Methylene Chloride            | <0.00191  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/10/21 11:27 | 1       |
| m,p-Xylenes                   | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/10/21 11:27 | 1       |
| MTBE                          | <0.000571 | U            | 0.00500 | 0.000571 mg/L |   |          | 11/10/21 11:27 | 1       |
| Naphthalene                   | <0.00200  | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/10/21 11:27 | 1       |
| n-Butylbenzene                | <0.000286 | U            | 0.00100 | 0.000286 mg/L |   |          | 11/10/21 11:27 | 1       |
| N-Propylbenzene               | <0.000179 | U            | 0.00100 | 0.000179 mg/L |   |          | 11/10/21 11:27 | 1       |
| o-Xylene                      | <0.000192 | U            | 0.00100 | 0.000192 mg/L |   |          | 11/10/21 11:27 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U            | 0.00100 | 0.000233 mg/L |   |          | 11/10/21 11:27 | 1       |
| sec-Butylbenzene              | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/10/21 11:27 | 1       |
| Styrene                       | <0.000623 | U            | 0.00100 | 0.000623 mg/L |   |          | 11/10/21 11:27 | 1       |
| tert-Butylbenzene             | <0.000195 | U            | 0.00100 | 0.000195 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U            | 0.00100 | 0.000327 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U            | 0.00100 | 0.000284 mg/L |   |          | 11/10/21 11:27 | 1       |
| Tetrachloroethene             | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/10/21 11:27 | 1       |
| Toluene                       | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/10/21 11:27 | 1       |
| trans-1,2-Dichloroethene      | <0.000256 | U            | 0.00100 | 0.000256 mg/L |   |          | 11/10/21 11:27 | 1       |
| trans-1,3-Dichloropropene     | <0.000752 | U            | 0.00500 | 0.000752 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/10/21 11:27 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/10/21 11:27 | 1       |
| 1,1,1-Trichloroethane         | <0.000504 | U            | 0.00500 | 0.000504 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1,2-Trichloroethane         | <0.000228 | U            | 0.00100 | 0.000228 mg/L |   |          | 11/10/21 11:27 | 1       |
| Trichloroethene               | <0.000424 | U            | 0.00500 | 0.000424 mg/L |   |          | 11/10/21 11:27 | 1       |
| Trichlorofluoromethane        | <0.000245 | U            | 0.00100 | 0.000245 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,2,3-Trichloropropane        | <0.000283 | U            | 0.00100 | 0.000283 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,2,4-Trimethylbenzene        | <0.000252 | U            | 0.00100 | 0.000252 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,3,5-Trimethylbenzene        | <0.000279 | U            | 0.00100 | 0.000279 mg/L |   |          | 11/10/21 11:27 | 1       |
| Vinyl chloride                | <0.000234 | U            | 0.00200 | 0.000234 mg/L |   |          | 11/10/21 11:27 | 1       |
| Xylenes, Total                | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/10/21 11:27 | 1       |
| Total BTEX                    | <0.00100  | U            | 0.0100  | 0.00100 mg/L  |   |          | 11/10/21 11:27 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 100          |              | 74 - 124 |          | 11/10/21 11:27 | 1       |
| Dibromofluoromethane (Surr)  | 100          |              | 75 - 131 |          | 11/10/21 11:27 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 102          |              | 63 - 144 |          | 11/10/21 11:27 | 1       |
| Toluene-d8 (Surr)            | 101          |              | 80 - 117 |          | 11/10/21 11:27 | 1       |

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## QC Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

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

Lab Sample ID: LCS 860-30029/3

Matrix: Water

Analysis Batch: 30029

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      | 0.05145    |               | mg/L |   | 103  | 66 - 142     |
| Bromobenzene                  | 0.0500      | 0.05584    |               | mg/L |   | 112  | 75 - 125     |
| Bromochloromethane            | 0.0500      | 0.05292    |               | mg/L |   | 106  | 60 - 140     |
| Bromodichloromethane          | 0.0500      | 0.05545    |               | mg/L |   | 111  | 75 - 125     |
| Bromoform                     | 0.0500      | 0.05531    |               | mg/L |   | 111  | 75 - 125     |
| Bromomethane                  | 0.0500      | 0.04961    |               | mg/L |   | 99   | 60 - 140     |
| 2-Butanone                    | 0.250       | 0.2791     |               | mg/L |   | 112  | 60 - 140     |
| Carbon tetrachloride          | 0.0500      | 0.05299    |               | mg/L |   | 106  | 62 - 125     |
| Chlorobenzene                 | 0.0500      | 0.05405    |               | mg/L |   | 108  | 60 - 133     |
| Chloroethane                  | 0.0500      | 0.04859    |               | mg/L |   | 97   | 60 - 140     |
| Chloroform                    | 0.0500      | 0.05586    |               | mg/L |   | 112  | 70 - 130     |
| Chloromethane                 | 0.0500      | 0.04697    |               | mg/L |   | 94   | 60 - 140     |
| 2-Chlorotoluene               | 0.0500      | 0.05547    |               | mg/L |   | 111  | 73 - 125     |
| 4-Chlorotoluene               | 0.0500      | 0.05550    |               | mg/L |   | 111  | 74 - 125     |
| cis-1,2-Dichloroethene        | 0.0500      | 0.05564    |               | mg/L |   | 111  | 75 - 125     |
| cis-1,3-Dichloropropene       | 0.0500      | 0.05497    |               | mg/L |   | 110  | 74 - 125     |
| Dibromochloromethane          | 0.0500      | 0.05480    |               | mg/L |   | 110  | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane   | 0.0500      | 0.05789    |               | mg/L |   | 116  | 59 - 125     |
| 1,2-Dibromoethane             | 0.0500      | 0.05356    |               | mg/L |   | 107  | 73 - 125     |
| 1,2-Dichlorobenzene           | 0.0500      | 0.05551    |               | mg/L |   | 111  | 75 - 125     |
| 1,3-Dichlorobenzene           | 0.0500      | 0.05519    |               | mg/L |   | 110  | 75 - 125     |
| 1,4-Dichlorobenzene           | 0.0500      | 0.05446    |               | mg/L |   | 109  | 75 - 125     |
| Dichlorodifluoromethane       | 0.0500      | 0.05083    |               | mg/L |   | 102  | 70 - 130     |
| 1,1-Dichloroethane            | 0.0500      | 0.05617    |               | mg/L |   | 112  | 72 - 125     |
| 1,2-Dichloroethane            | 0.0500      | 0.05296    |               | mg/L |   | 106  | 68 - 127     |
| 1,1-Dichloroethene            | 0.0500      | 0.04792    |               | mg/L |   | 96   | 59 - 172     |
| 1,2-Dichloropropane           | 0.0500      | 0.05511    |               | mg/L |   | 110  | 74 - 125     |
| 1,3-Dichloropropane           | 0.0500      | 0.05352    |               | mg/L |   | 107  | 75 - 125     |
| 2,2-Dichloropropane           | 0.0500      | 0.05782    |               | mg/L |   | 116  | 75 - 125     |
| 1,1-Dichloropropene           | 0.0500      | 0.05466    |               | mg/L |   | 109  | 75 - 125     |
| Ethylbenzene                  | 0.0500      | 0.05508    |               | mg/L |   | 110  | 75 - 125     |
| Hexachlorobutadiene           | 0.0500      | 0.05807    |               | mg/L |   | 116  | 75 - 125     |
| Isopropylbenzene              | 0.0500      | 0.04867    |               | mg/L |   | 97   | 75 - 125     |
| Methylene Chloride            | 0.0500      | 0.05204    |               | mg/L |   | 104  | 75 - 125     |
| m,p-Xylenes                   | 0.0500      | 0.05422    |               | mg/L |   | 108  | 75 - 125     |
| MTBE                          | 0.0500      | 0.05546    |               | mg/L |   | 111  | 65 - 135     |
| Naphthalene                   | 0.0500      | 0.05861    |               | mg/L |   | 117  | 70 - 130     |
| n-Butylbenzene                | 0.0500      | 0.05555    |               | mg/L |   | 111  | 75 - 125     |
| N-Propylbenzene               | 0.0500      | 0.05559    |               | mg/L |   | 111  | 75 - 125     |
| o-Xylene                      | 0.0500      | 0.05498    |               | mg/L |   | 110  | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05619    |               | mg/L |   | 112  | 75 - 125     |
| sec-Butylbenzene              | 0.0500      | 0.05553    |               | mg/L |   | 111  | 75 - 125     |
| Styrene                       | 0.0500      | 0.04889    |               | mg/L |   | 98   | 75 - 125     |
| tert-Butylbenzene             | 0.0500      | 0.05619    |               | mg/L |   | 112  | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05659    |               | mg/L |   | 113  | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05491    |               | mg/L |   | 110  | 74 - 125     |
| Tetrachloroethene             | 0.0500      | 0.05375    |               | mg/L |   | 108  | 71 - 125     |
| Toluene                       | 0.0500      | 0.05306    |               | mg/L |   | 106  | 59 - 139     |

Eurofins Xenco, Midland

## QC Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

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

Lab Sample ID: LCS 860-30029/3

Matrix: Water

Analysis Batch: 30029

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.05268    |               | mg/L |   | 105  | 75 - 125     |
| trans-1,3-Dichloropropene | 0.0500      | 0.05517    |               | mg/L |   | 110  | 66 - 125     |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.05897    |               | mg/L |   | 118  | 75 - 137     |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05208    |               | mg/L |   | 104  | 75 - 135     |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05647    |               | mg/L |   | 113  | 75 - 125     |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05416    |               | mg/L |   | 108  | 75 - 127     |
| Trichloroethene           | 0.0500      | 0.05454    |               | mg/L |   | 109  | 62 - 137     |
| Trichlorofluoromethane    | 0.0500      | 0.05422    |               | mg/L |   | 108  | 60 - 140     |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05419    |               | mg/L |   | 108  | 75 - 125     |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05636    |               | mg/L |   | 113  | 75 - 125     |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05586    |               | mg/L |   | 112  | 60 - 140     |
| Vinyl chloride            | 0.0500      | 0.04999    |               | mg/L |   | 100  | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 101           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 101           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 99            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 99            |               | 80 - 117 |

Lab Sample ID: LCSD 860-30029/4

Matrix: Water

Analysis Batch: 30029

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      | 0.04944     |                | mg/L |   | 99   | 66 - 142     | 4   | 25        |
| Bromobenzene                | 0.0500      | 0.05072     |                | mg/L |   | 101  | 75 - 125     | 10  | 25        |
| Bromochloromethane          | 0.0500      | 0.05122     |                | mg/L |   | 102  | 60 - 140     | 3   | 25        |
| Bromodichloromethane        | 0.0500      | 0.05299     |                | mg/L |   | 106  | 75 - 125     | 5   | 25        |
| Bromoform                   | 0.0500      | 0.05304     |                | mg/L |   | 106  | 75 - 125     | 4   | 25        |
| Bromomethane                | 0.0500      | 0.04926     |                | mg/L |   | 99   | 60 - 140     | 1   | 25        |
| 2-Butanone                  | 0.250       | 0.2607      |                | mg/L |   | 104  | 60 - 140     | 7   | 25        |
| Carbon tetrachloride        | 0.0500      | 0.04933     |                | mg/L |   | 99   | 62 - 125     | 7   | 25        |
| Chlorobenzene               | 0.0500      | 0.05105     |                | mg/L |   | 102  | 60 - 133     | 6   | 25        |
| Chloroethane                | 0.0500      | 0.04876     |                | mg/L |   | 98   | 60 - 140     | 0   | 25        |
| Chloroform                  | 0.0500      | 0.05299     |                | mg/L |   | 106  | 70 - 130     | 5   | 25        |
| Chloromethane               | 0.0500      | 0.04910     |                | mg/L |   | 98   | 60 - 140     | 4   | 25        |
| 2-Chlorotoluene             | 0.0500      | 0.05038     |                | mg/L |   | 101  | 73 - 125     | 10  | 25        |
| 4-Chlorotoluene             | 0.0500      | 0.05061     |                | mg/L |   | 101  | 74 - 125     | 9   | 25        |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05183     |                | mg/L |   | 104  | 75 - 125     | 7   | 25        |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05319     |                | mg/L |   | 106  | 74 - 125     | 3   | 25        |
| Dibromochloromethane        | 0.0500      | 0.05290     |                | mg/L |   | 106  | 73 - 125     | 4   | 25        |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05488     |                | mg/L |   | 110  | 59 - 125     | 5   | 25        |
| 1,2-Dibromoethane           | 0.0500      | 0.05196     |                | mg/L |   | 104  | 73 - 125     | 3   | 25        |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05142     |                | mg/L |   | 103  | 75 - 125     | 8   | 25        |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05032     |                | mg/L |   | 101  | 75 - 125     | 9   | 25        |
| 1,4-Dichlorobenzene         | 0.0500      | 0.04996     |                | mg/L |   | 100  | 75 - 125     | 9   | 25        |
| Dichlorodifluoromethane     | 0.0500      | 0.05593     |                | mg/L |   | 112  | 70 - 130     | 10  | 25        |
| 1,1-Dichloroethane          | 0.0500      | 0.05254     |                | mg/L |   | 105  | 72 - 125     | 7   | 25        |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8024-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-30029/4

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 30029

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,2-Dichloroethane            | 0.0500      | 0.05185     |                | mg/L |   | 104  | 68 - 127     | 2   | 25        |
| 1,1-Dichloroethene            | 0.0500      | 0.04464     |                | mg/L |   | 89   | 59 - 172     | 7   | 25        |
| 1,2-Dichloropropane           | 0.0500      | 0.05326     |                | mg/L |   | 107  | 74 - 125     | 3   | 25        |
| 1,3-Dichloropropane           | 0.0500      | 0.05236     |                | mg/L |   | 105  | 75 - 125     | 2   | 25        |
| 2,2-Dichloropropane           | 0.0500      | 0.05278     |                | mg/L |   | 106  | 75 - 125     | 9   | 25        |
| 1,1-Dichloropropene           | 0.0500      | 0.05070     |                | mg/L |   | 101  | 75 - 125     | 8   | 25        |
| Ethylbenzene                  | 0.0500      | 0.05186     |                | mg/L |   | 104  | 75 - 125     | 6   | 25        |
| Hexachlorobutadiene           | 0.0500      | 0.05697     |                | mg/L |   | 114  | 75 - 125     | 2   | 25        |
| Isopropylbenzene              | 0.0500      | 0.04666     |                | mg/L |   | 93   | 75 - 125     | 4   | 25        |
| Methylene Chloride            | 0.0500      | 0.05008     |                | mg/L |   | 100  | 75 - 125     | 4   | 25        |
| m,p-Xylenes                   | 0.0500      | 0.05092     |                | mg/L |   | 102  | 75 - 125     | 6   | 25        |
| MTBE                          | 0.0500      | 0.05315     |                | mg/L |   | 106  | 65 - 135     | 4   | 25        |
| Naphthalene                   | 0.0500      | 0.05417     |                | mg/L |   | 108  | 70 - 130     | 8   | 25        |
| n-Butylbenzene                | 0.0500      | 0.05360     |                | mg/L |   | 107  | 75 - 125     | 4   | 25        |
| N-Propylbenzene               | 0.0500      | 0.05136     |                | mg/L |   | 103  | 75 - 125     | 8   | 25        |
| o-Xylene                      | 0.0500      | 0.05208     |                | mg/L |   | 104  | 75 - 125     | 5   | 25        |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05312     |                | mg/L |   | 106  | 75 - 125     | 6   | 25        |
| sec-Butylbenzene              | 0.0500      | 0.05266     |                | mg/L |   | 105  | 75 - 125     | 5   | 25        |
| Styrene                       | 0.0500      | 0.04613     |                | mg/L |   | 92   | 75 - 125     | 6   | 25        |
| tert-Butylbenzene             | 0.0500      | 0.05234     |                | mg/L |   | 105  | 75 - 125     | 7   | 25        |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05370     |                | mg/L |   | 107  | 72 - 125     | 5   | 25        |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05274     |                | mg/L |   | 105  | 74 - 125     | 4   | 25        |
| Tetrachloroethene             | 0.0500      | 0.05014     |                | mg/L |   | 100  | 71 - 125     | 7   | 25        |
| Toluene                       | 0.0500      | 0.05025     |                | mg/L |   | 101  | 59 - 139     | 5   | 25        |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04930     |                | mg/L |   | 99   | 75 - 125     | 7   | 25        |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05250     |                | mg/L |   | 105  | 66 - 125     | 5   | 25        |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05318     |                | mg/L |   | 106  | 75 - 137     | 10  | 25        |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.04770     |                | mg/L |   | 95   | 75 - 135     | 9   | 25        |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05219     |                | mg/L |   | 104  | 75 - 125     | 8   | 25        |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05245     |                | mg/L |   | 105  | 75 - 127     | 3   | 25        |
| Trichloroethene               | 0.0500      | 0.05142     |                | mg/L |   | 103  | 62 - 137     | 6   | 25        |
| Trichlorofluoromethane        | 0.0500      | 0.05595     |                | mg/L |   | 112  | 60 - 140     | 3   | 25        |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05087     |                | mg/L |   | 102  | 75 - 125     | 6   | 25        |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05160     |                | mg/L |   | 103  | 75 - 125     | 9   | 25        |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05199     |                | mg/L |   | 104  | 60 - 140     | 7   | 25        |
| Vinyl chloride                | 0.0500      | 0.05160     |                | mg/L |   | 103  | 60 - 140     | 3   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 99             |                | 74 - 124 |
| Dibromofluoromethane (Surr)  | 98             |                | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 97             |                | 63 - 144 |
| Toluene-d8 (Surr)            | 100            |                | 80 - 117 |

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## QC Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-29905/206

Matrix: Water

Analysis Batch: 29905

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 |   |          | 11/11/21 10:02 | 1       |
| Chloride | <0.200       | U               | 0.500 | 0.200 mg/L  |   |          | 11/11/21 10:02 | 1       |
| Fluoride | <0.100       | U               | 0.500 | 0.100 mg/L  |   |          | 11/11/21 10:02 | 1       |
| Sulfate  | <0.109       | U               | 0.500 | 0.109 mg/L  |   |          | 11/11/21 10:02 | 1       |

Lab Sample ID: MB 860-29905/3

Matrix: Water

Analysis Batch: 29905

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 |   |          | 11/09/21 09:28 | 1       |
| Chloride | <0.200       | U               | 0.500 | 0.200 mg/L  |   |          | 11/09/21 09:28 | 1       |
| Fluoride | <0.100       | U               | 0.500 | 0.100 mg/L  |   |          | 11/09/21 09:28 | 1       |
| Sulfate  | <0.109       | U               | 0.500 | 0.109 mg/L  |   |          | 11/09/21 09:28 | 1       |

Lab Sample ID: LCS 860-29905/207

Matrix: Water

Analysis Batch: 29905

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           | 9.857         |                  | mg/L |   | 99   | 90 - 110        |
| Chloride | 10.0           | 10.33         |                  | mg/L |   | 103  | 90 - 110        |
| Fluoride | 10.0           | 10.60         |                  | mg/L |   | 106  | 90 - 110        |
| Sulfate  | 10.0           | 9.494         |                  | mg/L |   | 95   | 90 - 110        |

Lab Sample ID: LCS 860-29905/4

Matrix: Water

Analysis Batch: 29905

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           | 9.840         |                  | mg/L |   | 98   | 90 - 110        |
| Chloride | 10.0           | 10.37         |                  | mg/L |   | 104  | 90 - 110        |
| Fluoride | 10.0           | 10.44         |                  | mg/L |   | 104  | 90 - 110        |
| Sulfate  | 10.0           | 9.598         |                  | mg/L |   | 96   | 90 - 110        |

Lab Sample ID: LCSD 860-29905/208

Matrix: Water

Analysis Batch: 29905

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           | 9.872          |                   | mg/L |   | 99   | 90 - 110        | 0   | 20           |
| Chloride | 10.0           | 10.33          |                   | mg/L |   | 103  | 90 - 110        | 0   | 20           |
| Fluoride | 10.0           | 10.63          |                   | mg/L |   | 106  | 90 - 110        | 0   | 20           |
| Sulfate  | 10.0           | 9.490          |                   | mg/L |   | 95   | 90 - 110        | 0   | 20           |

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## QC Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-29905/5

Matrix: Water

Analysis Batch: 29905

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD   | LCSD      | Unit | D | %Rec | %Rec.    | RPD | RPD   |
|----------|-------------|--------|-----------|------|---|------|----------|-----|-------|
|          |             | Result | Qualifier |      |   |      | Limits   |     | Limit |
| Bromide  | 10.0        | 9.919  |           | mg/L |   | 99   | 90 - 110 | 1   | 20    |
| Fluoride | 10.0        | 10.48  |           | mg/L |   | 105  | 90 - 110 | 0   | 20    |
| Sulfate  | 10.0        | 9.869  |           | mg/L |   | 99   | 90 - 110 | 3   | 20    |

Lab Sample ID: MB 860-29906/3

Matrix: Water

Analysis Batch: 29906

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 | mg/L |   |          | 11/09/21 09:28 | 1       |
| Nitrite as N | <0.0293 | U         | 0.100 | mg/L |   |          | 11/09/21 09:28 | 1       |

Lab Sample ID: LCS 860-29906/4

Matrix: Water

Analysis Batch: 29906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |  |
|--------------|-------------|------------|---------------|------|---|------|--------------|--|
|              |             |            |               |      |   |      | Limits       |  |
| Nitrate as N | 10.0        | 10.11      |               | mg/L |   | 101  | 80 - 120     |  |
| Nitrite as N | 5.00        | 5.206      |               | mg/L |   | 104  | 80 - 120     |  |

Lab Sample ID: LCSD 860-29906/5

Matrix: Water

Analysis Batch: 29906

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec.    |  | RPD | RPD Limits |
|--------------|-------------|-------------|----------------|------|---|------|----------|--|-----|------------|
|              |             |             |                |      |   |      | Limits   |  |     |            |
| Nitrate as N | 10.0        | 10.21       |                | mg/L |   | 102  | 80 - 120 |  | 1   | 20         |
| Nitrite as N | 5.00        | 5.209       |                | mg/L |   | 104  | 80 - 120 |  | 0   | 20         |

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

Lab Sample ID: MB 860-30023/1-A

Matrix: Water

Analysis Batch: 30362

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 30023

| Analyte   | MB MB   |           | RL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|-------|------|---|----------------|----------------|---------|
|           | Result  | Qualifier |       |      |   |                |                |         |
| Calcium   | 0.03204 | J         | 0.200 | mg/L |   | 11/10/21 07:35 | 11/11/21 16:24 | 1       |
| Magnesium | <0.0500 | U         | 0.200 | mg/L |   | 11/10/21 07:35 | 11/11/21 16:24 | 1       |
| Potassium | <0.107  | U         | 0.500 | mg/L |   | 11/10/21 07:35 | 11/11/21 16:24 | 1       |
| Sodium    | <0.0667 | U         | 0.500 | mg/L |   | 11/10/21 07:35 | 11/11/21 16:24 | 1       |
| SiO2      | <0.0781 | U         | 1.07  | mg/L |   | 11/10/21 07:35 | 11/11/21 16:24 | 1       |

Lab Sample ID: LCS 860-30023/2-A

Matrix: Water

Analysis Batch: 30362

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 30023

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |  |
|-----------|-------------|------------|---------------|------|---|------|--------------|--|
|           |             |            |               |      |   |      | Limits       |  |
| Calcium   | 25.0        | 21.40      |               | mg/L |   | 86   | 85 - 115     |  |
| Magnesium | 25.0        | 21.29      |               | mg/L |   | 85   | 85 - 115     |  |
| Potassium | 10.0        | 8.743      |               | mg/L |   | 87   | 85 - 115     |  |
| Sodium    | 25.0        | 22.02      |               | mg/L |   | 88   | 85 - 115     |  |

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## QC Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

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

Lab Sample ID: LCS 860-30023/2-A

Matrix: Water

Analysis Batch: 30362

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 30023

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| SiO2    | 21.4        | 19.48      |               | mg/L |   | 91   | 85 - 115     |

Lab Sample ID: LCSD 860-30023/3-A

Matrix: Water

Analysis Batch: 30362

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 30023

| Analyte   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Calcium   | 25.0        | 21.35       |                | mg/L |   | 85   | 85 - 115     | 0   | 20        |
| Magnesium | 25.0        | 21.19       |                | mg/L |   | 85   | 85 - 115     | 1   | 20        |
| Potassium | 10.0        | 8.699       |                | mg/L |   | 87   | 85 - 115     | 1   | 20        |
| Sodium    | 25.0        | 21.99       |                | mg/L |   | 88   | 85 - 115     | 0   | 20        |
| SiO2      | 21.4        | 19.42       |                | mg/L |   | 91   | 85 - 115     | 0   | 20        |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-30176/4

Matrix: Water

Analysis Batch: 30176

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 |   |          | 11/10/21 12:57 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/10/21 12:57 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/10/21 12:57 | 1       |
| Hydroxide Alkalinity            | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/10/21 12:57 | 1       |
| Phenolphthalein Alkalinity      | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/10/21 12:57 | 1       |

Lab Sample ID: LCS 860-30176/5

Matrix: Water

Analysis Batch: 30176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|------|---|------|--------------|
| Alkalinity | 250         | 232.1      |               | mg/L |   | 93   | 85 - 115     |

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

Lab Sample ID: MB 860-29998/1

Matrix: Water

Analysis Batch: 29998

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 |   |          | 11/09/21 18:28 | 1       |

Lab Sample ID: LCS 860-29998/2

Matrix: Water

Analysis Batch: 29998

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        | 1104       |               | mg/L |   | 110  | 80 - 120     |

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QC Sample Results

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

Job ID: 880-8024-1  
SDG: Hobbs NM

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

|                                 |  |  |  |                                          |        |           |      |   |       |          |           |
|---------------------------------|--|--|--|------------------------------------------|--------|-----------|------|---|-------|----------|-----------|
| Lab Sample ID: LCSD 860-29998/3 |  |  |  | Client Sample ID: Lab Control Sample Dup |        |           |      |   |       |          |           |
| Matrix: Water                   |  |  |  | Prep Type: Total/NA                      |        |           |      |   |       |          |           |
| Analysis Batch: 29998           |  |  |  |                                          |        |           |      |   |       |          |           |
|                                 |  |  |  | Spike                                    | LCSD   | LCSD      |      |   | %Rec. | RPD      |           |
| Analyte                         |  |  |  | Added                                    | Result | Qualifier | Unit | D | %Rec  | Limits   | RPD Limit |
| Total Dissolved Solids          |  |  |  | 1000                                     | 1046   |           | mg/L |   | 105   | 80 - 120 | 5 10      |

## QC Association Summary

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

Job ID: 880-8024-1  
SDG: Hobbs NM

## GC/MS VOA

## Analysis Batch: 29835

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-8024-1         | Levey Well             | Total/NA  | Water  | 8260C  |            |
| MB 860-29835/15    | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-29835/1009 | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-29835/10  | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## Analysis Batch: 30029

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8024-1       | Levey Well             | Total/NA  | Water  | 8260C  |            |
| MB 860-30029/10  | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-30029/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-30029/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## HPLC/IC

## Analysis Batch: 29905

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-8024-1         | Levey Well             | Total/NA  | Water  | 300.0  |            |
| 880-8024-1         | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-29905/206   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| MB 860-29905/3     | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-29905/207  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCS 860-29905/4    | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-29905/208 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LCSD 860-29905/5   | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 29906

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8024-1       | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-29906/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-29906/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-29906/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Metals

## Prep Batch: 30023

| Lab Sample ID      | Client Sample ID       | Prep Type         | Matrix | Method | Prep Batch |
|--------------------|------------------------|-------------------|--------|--------|------------|
| 880-8024-1         | Levey Well             | Total Recoverable | Water  | 200.7  |            |
| MB 860-30023/1-A   | Method Blank           | Total Recoverable | Water  | 200.7  |            |
| LCS 860-30023/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |
| LCSD 860-30023/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7  |            |

## Analysis Batch: 30362

| Lab Sample ID      | Client Sample ID       | Prep Type         | Matrix | Method        | Prep Batch |
|--------------------|------------------------|-------------------|--------|---------------|------------|
| 880-8024-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 30023      |
| 880-8024-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 30023      |
| MB 860-30023/1-A   | Method Blank           | Total Recoverable | Water  | 200.7 Rev 4.4 | 30023      |
| LCS 860-30023/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 30023      |
| LCSD 860-30023/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7 Rev 4.4 | 30023      |

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-8024-1  
SDG: Hobbs NM

General Chemistry

Analysis Batch: 29998

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 880-8024-1       | Levey Well             | Total/NA  | Water  | SM 2540C |            |
| MB 860-29998/1   | Method Blank           | Total/NA  | Water  | SM 2540C |            |
| LCS 860-29998/2  | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |
| LCSD 860-29998/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2540C |            |

Analysis Batch: 30159

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-8024-1    | Levey Well       | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 30176

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 880-8024-1       | Levey Well             | Total/NA  | Water  | SM 2320B |            |
| MB 860-30176/4   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-30176/5  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-30176/6 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 30472

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-8024-1    | Levey Well       | Total/NA  | Water  | SM 1030E |            |

Lab Chronicle

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

Job ID: 880-8024-1  
SDG: Hobbs NM

Client Sample ID: Levey Well      Lab Sample ID: 880-8024-1  
Date Collected: 11/05/21 13:10      Matrix: Water  
Date Received: 11/08/21 08:18

| Prep Type         | Batch Type | Batch Method  | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA          | Analysis   | 8260C         |     | 1               | 29835        | 11/09/21 20:46       | NA      | XEN STF |
| Total/NA          | Analysis   | 8260C         |     | 1               | 30029        | 11/10/21 14:11       | NA      | XEN STF |
| Total/NA          | Analysis   | 300.0         |     | 1               | 29905        | 11/09/21 16:55       | WP      | XEN STF |
| Total/NA          | Analysis   | 300.0         |     | 1               | 29906        | 11/09/21 16:55       | WP      | XEN STF |
| Total/NA          | Analysis   | 300.0         |     | 1               | 29905        | 11/11/21 14:52       | WP      | XEN STF |
| Total Recoverable | Prep       | 200.7         |     |                 | 30023        | 11/10/21 07:35       | MD      | XEN STF |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 1               | 30362        | 11/11/21 13:41       | AV      | XEN STF |
| Total Recoverable | Prep       | 200.7         |     |                 | 30023        | 11/10/21 07:35       | MD      | XEN STF |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 50              | 30362        | 11/11/21 13:48       | AV      | XEN STF |
| Total/NA          | Analysis   | SM 1030E      |     | 1               | 30472        | 11/12/21 11:37       | AA      | XEN STF |
| Total/NA          | Analysis   | SM 2320B      |     | 1               | 30176        | 11/10/21 16:12       | JP      | XEN STF |
| Total/NA          | Analysis   | SM 2540C      |     | 1               | 29998        | 11/09/21 18:28       | ADL     | XEN STF |
| Total/NA          | Analysis   | SM 4500 H+ B  |     | 1               | 30159        | 11/10/21 16:35       | JP      | XEN STF |

Laboratory References:  
XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

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

Job ID: 880-8024-1  
SDG: Hobbs NM

Laboratory: Eurofins Xenco, Stafford

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-21-44      | 06-30-22        |

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                         |
|-----------------|-------------|--------|---------------------------------|
| 200.7 Rev 4.4   | 200.7       | Water  | SiO2                            |
| 8260C           |             | Water  | Total BTEX                      |
| 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 Hobb NM - 03B1417001

Job ID: 880-8024-1  
SDG: Hobbs NM

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

**Protocol References:**

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:**

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



Sample Summary

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

Job ID: 880-8024-1  
SDG: Hobbs NM

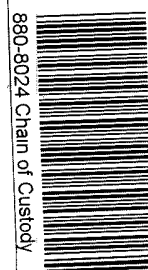
| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-8024-1    | Levey Well       | Water  | 11/05/21 13:10 | 11/08/21 08:18 |

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## Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0380 San Antonio, TX (210) 509-3334  
Midland TX (432-704-5440) El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296  
Hobbs NM (575-392-7550) Phoenix, AZ (480-555-0900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000)



880-8024 Chain of Custody

|                  |  |                   |  |                                                                         |  |
|------------------|--|-------------------|--|-------------------------------------------------------------------------|--|
| Project Manager: |  | Beaux Jennings    |  | Bill to: (if different)                                                 |  |
| Company Name:    |  | Ensolum LLC       |  | Company Name:                                                           |  |
| Address:         |  | 705 W Wadley #240 |  | Address:                                                                |  |
| City, State ZIP: |  | Midland TX        |  | City, State ZIP:                                                        |  |
| Phone:           |  | 432-230-3344      |  | Email: <a href="mailto:bjennings@ensolum.com">bjennings@ensolum.com</a> |  |

|                                                                                                                                                                                                  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 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"/><br>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:                                                                                                                  |  |  |  |  |  |

[illegible]

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-8024-1

SDG Number: Hobbs NM

Login Number: 8024

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

| Question                                                                         | Answer | Comment                             |
|----------------------------------------------------------------------------------|--------|-------------------------------------|
| The cooler's custody seal, if present, is intact.                                | True   |                                     |
| 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)    | False  | Refer to Job Narrative for details. |
| 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: 880-8024-1

SDG Number: Hobbs NM

Login Number: 8024

List Number: 2

Creator: Palmar, Pedro

List Source: Eurofins Xenco, Stafford

List Creation: 11/09/21 11:28 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?                                      | 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 America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-8023-1

Client Project/Site: South Hobbs - 03B1417002

Sampling Event: South Hobbs

**For:**

Ensolum  
705 W. Wadley  
Suite 210  
Midland, Texas 79701

Attn: Beaux Jennings

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
11/12/2021 1:53:17 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

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

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Laboratory Job ID: 880-8023-1

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Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| 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                                               |
| H3        | Sample was received and analyzed past holding time.                                                            |
| 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)                                                                         |

Eurofins Xenco, Midland

Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|-----------------------------------------------------------------------------|
| TEQ          | Toxicity Equivalent Quotient (Dioxin)                                       |
| TNTC         | Too Numerous To Count                                                       |

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Case Narrative

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

Job ID: 880-8023-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative  
880-8023-1

Receipt

The samples were received on 11/8/2021 8:17 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 4.5°C

Receipt Exceptions

The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-1 (880-8023-1) and MW-2 (880-8023-2).

GC/MS VOA

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 860-29835 recovered outside control limits for the following analytes: Naphthalene. These analytes were biased high in the LCSD 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

Method 8015MOD\_NM: Insufficient sample volume was available to perform a matrix spike duplicate (MSD) associated with preparation batch 860-29980.

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

HPLC/IC

Method 300\_ORGFMS: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-29906 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300\_ORGFMS: The following samples were received outside of holding time: MW-1 (880-8023-1) and MW-2 (880-8023-2).

Method 300\_ORGFMS: The following samples were received outside of holding time: MW-1 (880-8023-1) and MW-2 (880-8023-2).

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: 880-8023-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-8023-1

Date Collected: 11/05/21 14:10

Matrix: Water

Date Received: 11/08/21 08:17

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

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | 0.000247  | J         | 0.00100 | 0.000214 mg/L |   |          | 11/09/21 20:05 | 1       |
| Bromobenzene                  | <0.000300 | U         | 0.00100 | 0.000300 mg/L |   |          | 11/09/21 20:05 | 1       |
| Bromochloromethane            | <0.000209 | U         | 0.00100 | 0.000209 mg/L |   |          | 11/09/21 20:05 | 1       |
| Bromodichloromethane          | <0.000231 | U         | 0.00100 | 0.000231 mg/L |   |          | 11/09/21 20:05 | 1       |
| Bromoform                     | <0.000630 | U         | 0.00500 | 0.000630 mg/L |   |          | 11/09/21 20:05 | 1       |
| Bromomethane                  | <0.00105  | U         | 0.00500 | 0.00105 mg/L  |   |          | 11/09/21 20:05 | 1       |
| 2-Butanone                    | <0.00270  | U         | 0.0500  | 0.00270 mg/L  |   |          | 11/09/21 20:05 | 1       |
| Carbon tetrachloride          | <0.000423 | U         | 0.00500 | 0.000423 mg/L |   |          | 11/09/21 20:05 | 1       |
| Chlorobenzene                 | <0.000159 | U         | 0.00100 | 0.000159 mg/L |   |          | 11/09/21 20:05 | 1       |
| Chloroethane                  | <0.000433 | U         | 0.0100  | 0.000433 mg/L |   |          | 11/09/21 20:05 | 1       |
| Chloroform                    | <0.000259 | U         | 0.00100 | 0.000259 mg/L |   |          | 11/09/21 20:05 | 1       |
| Chloromethane                 | <0.000318 | U         | 0.0100  | 0.000318 mg/L |   |          | 11/09/21 20:05 | 1       |
| 2-Chlorotoluene               | <0.000214 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/09/21 20:05 | 1       |
| 4-Chlorotoluene               | <0.000183 | U         | 0.00100 | 0.000183 mg/L |   |          | 11/09/21 20:05 | 1       |
| cis-1,2-Dichloroethene        | <0.000174 | U         | 0.00100 | 0.000174 mg/L |   |          | 11/09/21 20:05 | 1       |
| cis-1,3-Dichloropropene       | <0.000690 | U         | 0.00500 | 0.000690 mg/L |   |          | 11/09/21 20:05 | 1       |
| Dibromochloromethane          | <0.000739 | U         | 0.00500 | 0.000739 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.000319 | U         | 0.00100 | 0.000319 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,2-Dibromoethane             | <0.000337 | U         | 0.00500 | 0.000337 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,2-Dichlorobenzene           | <0.000236 | U         | 0.00100 | 0.000236 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,3-Dichlorobenzene           | <0.000197 | U         | 0.00100 | 0.000197 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,4-Dichlorobenzene           | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/09/21 20:05 | 1       |
| Dichlorodifluoromethane       | <0.000316 | U         | 0.00100 | 0.000316 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,1-Dichloroethane            | <0.000244 | U         | 0.00100 | 0.000244 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,2-Dichloroethane            | <0.000285 | U         | 0.00100 | 0.000285 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U         | 0.00100 | 0.000216 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U         | 0.00500 | 0.000396 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U         | 0.00500 | 0.000439 mg/L |   |          | 11/09/21 20:05 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U         | 0.00500 | 0.000360 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U         | 0.00500 | 0.000481 mg/L |   |          | 11/09/21 20:05 | 1       |
| Ethylbenzene                  | <0.000515 | U         | 0.00100 | 0.000515 mg/L |   |          | 11/09/21 20:05 | 1       |
| Hexachlorobutadiene           | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 20:05 | 1       |
| Isopropylbenzene              | <0.000161 | U         | 0.00100 | 0.000161 mg/L |   |          | 11/09/21 20:05 | 1       |
| Methylene Chloride            | <0.00191  | U         | 0.00500 | 0.00191 mg/L  |   |          | 11/09/21 20:05 | 1       |
| m,p-Xylenes                   | <0.000330 | U         | 0.0100  | 0.000330 mg/L |   |          | 11/09/21 20:05 | 1       |
| MTBE                          | <0.000571 | U         | 0.00500 | 0.000571 mg/L |   |          | 11/09/21 20:05 | 1       |
| Naphthalene                   | <0.00200  | U *+      | 0.0100  | 0.00200 mg/L  |   |          | 11/09/21 20:05 | 1       |
| n-Butylbenzene                | <0.000286 | U         | 0.00100 | 0.000286 mg/L |   |          | 11/09/21 20:05 | 1       |
| N-Propylbenzene               | <0.000179 | U         | 0.00100 | 0.000179 mg/L |   |          | 11/09/21 20:05 | 1       |
| o-Xylene                      | <0.000192 | U         | 0.00100 | 0.000192 mg/L |   |          | 11/09/21 20:05 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U         | 0.00100 | 0.000233 mg/L |   |          | 11/09/21 20:05 | 1       |
| sec-Butylbenzene              | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/09/21 20:05 | 1       |
| Styrene                       | <0.000623 | U         | 0.00100 | 0.000623 mg/L |   |          | 11/09/21 20:05 | 1       |
| tert-Butylbenzene             | <0.000195 | U         | 0.00100 | 0.000195 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U         | 0.00100 | 0.000327 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U         | 0.00100 | 0.000284 mg/L |   |          | 11/09/21 20:05 | 1       |
| Tetrachloroethene             | <0.000500 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/09/21 20:05 | 1       |
| Toluene                       | <0.000500 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/09/21 20:05 | 1       |
| trans-1,2-Dichloroethene      | <0.000256 | U         | 0.00100 | 0.000256 mg/L |   |          | 11/09/21 20:05 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

Client Sample ID: MW-1

Lab Sample ID: 880-8023-1

Date Collected: 11/05/21 14:10

Matrix: Water

Date Received: 11/08/21 08:17

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

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.000752 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 20:05 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 20:05 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/09/21 20:05 | 1       |
| Trichloroethene           | <0.000424 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/10/21 13:30 | 1       |
| Trichlorofluoromethane    | <0.000245 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000252 | U         | 0.00100 | 0.000252 mg/L |   |          | 11/09/21 20:05 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000279 | U         | 0.00100 | 0.000279 mg/L |   |          | 11/09/21 20:05 | 1       |
| Vinyl chloride            | <0.000234 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/09/21 20:05 | 1       |
| Xylenes, Total            | <0.000330 | U         | 0.0100  | 0.000330 mg/L |   |          | 11/09/21 20:05 | 1       |
| Total BTEX                | <0.00100  | U         | 0.0100  | 0.00100 mg/L  |   |          | 11/09/21 20:05 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 99        |           | 74 - 124 |          | 11/09/21 20:05 | 1       |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 74 - 124 |          | 11/10/21 13:30 | 1       |
| Dibromofluoromethane (Surr)  | 102       |           | 75 - 131 |          | 11/09/21 20:05 | 1       |
| Dibromofluoromethane (Surr)  | 101       |           | 75 - 131 |          | 11/10/21 13:30 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 63 - 144 |          | 11/09/21 20:05 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 63 - 144 |          | 11/10/21 13:30 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 117 |          | 11/09/21 20:05 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 80 - 117 |          | 11/10/21 13:30 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Total TPH | <1.03  | U         | 5.21 | 1.03 mg/L |   |          | 11/05/21 09:45 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <1.03     | U         | 5.21     | 1.03 mg/L  |   | 11/09/21 17:12 | 11/09/21 19:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <1.03     | U         | 5.21     | 1.03 mg/L  |   | 11/09/21 17:12 | 11/09/21 19:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.993    | U         | 5.21     | 0.993 mg/L |   | 11/09/21 17:12 | 11/09/21 19:45 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 95        |           | 70 - 135 |            |   | 11/09/21 17:12 | 11/09/21 19:45 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 135 |            |   | 11/09/21 17:12 | 11/09/21 19:45 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result  | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 282     |           | 0.500 | 0.200 mg/L  |   |          | 11/11/21 13:13 | 1       |
| Nitrate as N | 0.191   | H H3      | 0.100 | 0.0391 mg/L |   |          | 11/09/21 16:02 | 1       |
| Fluoride     | 0.631   |           | 0.500 | 0.100 mg/L  |   |          | 11/09/21 16:02 | 1       |
| Nitrite as N | <0.0293 | U H H3    | 0.100 | 0.0293 mg/L |   |          | 11/09/21 16:02 | 1       |
| Sulfate      | 77.1    |           | 0.500 | 0.109 mg/L  |   |          | 11/09/21 16:02 | 1       |

## General Chemistry

| Analyte    | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Alkalinity | 571    |           | 4.00 | 4.00 mg/L |   |          | 11/10/21 15:46 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

## Client Sample ID: MW-1

Lab Sample ID: 880-8023-1

Date Collected: 11/05/21 14:10

Matrix: Water

Date Received: 11/08/21 08:17

## General Chemistry (Continued)

| Analyte                         | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------------|---|----------|----------------|---------|
| Bicarbonate Alkalinity as CaCO3 | 571    |           | 4.00 | 4.00 mg/L  |   |          | 11/10/21 15:46 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L  |   |          | 11/10/21 15:46 | 1       |
| Carbon dioxide                  | 617    |           |      | mg/L       |   |          | 11/11/21 15:03 | 1       |
| Carbon Dioxide, Free            | 114    |           |      | mg/L       |   |          | 11/11/21 15:03 | 1       |
| pH                              | 7.0    | HF        |      | SU         |   |          | 11/10/21 16:35 | 1       |
| Temperature                     | 22.9   | HF        |      | Celsius    |   |          | 11/10/21 16:35 | 1       |
| Sulfide                         | <0.495 | U         | 5.00 | 0.495 mg/L |   |          | 11/10/21 16:04 | 1       |

## Client Sample ID: MW-2

Lab Sample ID: 880-8023-2

Date Collected: 11/05/21 15:15

Matrix: Water

Date Received: 11/08/21 08:17

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

| Analyte                     | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                     | 0.0200    |           | 0.00100 | 0.000214 mg/L |   |          | 11/09/21 20:25 | 1       |
| Bromobenzene                | <0.000300 | U         | 0.00100 | 0.000300 mg/L |   |          | 11/09/21 20:25 | 1       |
| Bromochloromethane          | <0.000209 | U         | 0.00100 | 0.000209 mg/L |   |          | 11/09/21 20:25 | 1       |
| Bromodichloromethane        | <0.000231 | U         | 0.00100 | 0.000231 mg/L |   |          | 11/09/21 20:25 | 1       |
| Bromoform                   | <0.000630 | U         | 0.00500 | 0.000630 mg/L |   |          | 11/09/21 20:25 | 1       |
| Bromomethane                | <0.00105  | U         | 0.00500 | 0.00105 mg/L  |   |          | 11/09/21 20:25 | 1       |
| 2-Butanone                  | <0.00270  | U         | 0.0500  | 0.00270 mg/L  |   |          | 11/09/21 20:25 | 1       |
| Carbon tetrachloride        | <0.000423 | U         | 0.00500 | 0.000423 mg/L |   |          | 11/09/21 20:25 | 1       |
| Chlorobenzene               | <0.000159 | U         | 0.00100 | 0.000159 mg/L |   |          | 11/09/21 20:25 | 1       |
| Chloroethane                | <0.000433 | U         | 0.0100  | 0.000433 mg/L |   |          | 11/09/21 20:25 | 1       |
| Chloroform                  | <0.000259 | U         | 0.00100 | 0.000259 mg/L |   |          | 11/09/21 20:25 | 1       |
| Chloromethane               | <0.000318 | U         | 0.0100  | 0.000318 mg/L |   |          | 11/09/21 20:25 | 1       |
| 2-Chlorotoluene             | <0.000214 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/09/21 20:25 | 1       |
| 4-Chlorotoluene             | <0.000183 | U         | 0.00100 | 0.000183 mg/L |   |          | 11/09/21 20:25 | 1       |
| cis-1,2-Dichloroethene      | <0.000174 | U         | 0.00100 | 0.000174 mg/L |   |          | 11/09/21 20:25 | 1       |
| cis-1,3-Dichloropropene     | <0.000690 | U         | 0.00500 | 0.000690 mg/L |   |          | 11/09/21 20:25 | 1       |
| Dibromochloromethane        | <0.000739 | U         | 0.00500 | 0.000739 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.000319 | U         | 0.00100 | 0.000319 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,2-Dibromoethane           | <0.000337 | U         | 0.00500 | 0.000337 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,2-Dichlorobenzene         | <0.000236 | U         | 0.00100 | 0.000236 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,3-Dichlorobenzene         | <0.000197 | U         | 0.00100 | 0.000197 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,4-Dichlorobenzene         | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/09/21 20:25 | 1       |
| Dichlorodifluoromethane     | <0.000316 | U         | 0.00100 | 0.000316 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,1-Dichloroethane          | <0.000244 | U         | 0.00100 | 0.000244 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,2-Dichloroethane          | <0.000285 | U         | 0.00100 | 0.000285 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,1-Dichloroethene          | <0.000216 | U         | 0.00100 | 0.000216 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,2-Dichloropropane         | <0.000396 | U         | 0.00500 | 0.000396 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,3-Dichloropropane         | <0.000439 | U         | 0.00500 | 0.000439 mg/L |   |          | 11/09/21 20:25 | 1       |
| 2,2-Dichloropropane         | <0.000360 | U         | 0.00500 | 0.000360 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,1-Dichloropropene         | <0.000481 | U         | 0.00500 | 0.000481 mg/L |   |          | 11/09/21 20:25 | 1       |
| Ethylbenzene                | 0.0173    |           | 0.00100 | 0.000515 mg/L |   |          | 11/09/21 20:25 | 1       |
| Hexachlorobutadiene         | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 20:25 | 1       |
| Isopropylbenzene            | 0.00733   |           | 0.00100 | 0.000161 mg/L |   |          | 11/09/21 20:25 | 1       |
| Methylene Chloride          | <0.00191  | U         | 0.00500 | 0.00191 mg/L  |   |          | 11/09/21 20:25 | 1       |
| m,p-Xylenes                 | 0.0901    |           | 0.0100  | 0.000330 mg/L |   |          | 11/09/21 20:25 | 1       |
| MTBE                        | <0.000571 | U         | 0.00500 | 0.000571 mg/L |   |          | 11/09/21 20:25 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

Client Sample ID: MW-2

Lab Sample ID: 880-8023-2

Date Collected: 11/05/21 15:15

Matrix: Water

Date Received: 11/08/21 08:17

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

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Naphthalene                   | <0.00200  | U **      | 0.0100  | 0.00200 mg/L  |   |          | 11/09/21 20:25 | 1       |
| n-Butylbenzene                | <0.000286 | U         | 0.00100 | 0.000286 mg/L |   |          | 11/09/21 20:25 | 1       |
| N-Propylbenzene               | 0.00210   |           | 0.00100 | 0.000179 mg/L |   |          | 11/09/21 20:25 | 1       |
| o-Xylene                      | 0.00743   |           | 0.00100 | 0.000192 mg/L |   |          | 11/09/21 20:25 | 1       |
| p-Cymene (p-Isopropyltoluene) | 0.000616  | J         | 0.00100 | 0.000233 mg/L |   |          | 11/09/21 20:25 | 1       |
| sec-Butylbenzene              | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/09/21 20:25 | 1       |
| Styrene                       | <0.000623 | U         | 0.00100 | 0.000623 mg/L |   |          | 11/09/21 20:25 | 1       |
| tert-Butylbenzene             | <0.000195 | U         | 0.00100 | 0.000195 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U         | 0.00100 | 0.000327 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U         | 0.00100 | 0.000284 mg/L |   |          | 11/09/21 20:25 | 1       |
| Tetrachloroethene             | <0.000500 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/09/21 20:25 | 1       |
| Toluene                       | 0.00476   |           | 0.00100 | 0.000500 mg/L |   |          | 11/09/21 20:25 | 1       |
| trans-1,2-Dichloroethene      | <0.000256 | U         | 0.00100 | 0.000256 mg/L |   |          | 11/09/21 20:25 | 1       |
| trans-1,3-Dichloropropene     | <0.000752 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 20:25 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 20:25 | 1       |
| 1,1,1-Trichloroethane         | <0.000504 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,1,2-Trichloroethane         | <0.000228 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/09/21 20:25 | 1       |
| Trichloroethene               | <0.000424 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/10/21 13:51 | 1       |
| Trichlorofluoromethane        | <0.000245 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,2,3-Trichloropropane        | <0.000283 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,2,4-Trimethylbenzene        | 0.0223    |           | 0.00100 | 0.000252 mg/L |   |          | 11/09/21 20:25 | 1       |
| 1,3,5-Trimethylbenzene        | 0.00602   |           | 0.00100 | 0.000279 mg/L |   |          | 11/09/21 20:25 | 1       |
| Vinyl chloride                | <0.000234 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/09/21 20:25 | 1       |
| Xylenes, Total                | 0.0975    |           | 0.0100  | 0.000330 mg/L |   |          | 11/09/21 20:25 | 1       |
| Total BTEX                    | 0.140     |           | 0.0100  | 0.00100 mg/L  |   |          | 11/09/21 20:25 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 100       |           | 74 - 124 |          | 11/09/21 20:25 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 74 - 124 |          | 11/10/21 13:51 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 75 - 131 |          | 11/09/21 20:25 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 75 - 131 |          | 11/10/21 13:51 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 63 - 144 |          | 11/09/21 20:25 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 63 - 144 |          | 11/10/21 13:51 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 117 |          | 11/09/21 20:25 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 117 |          | 11/10/21 13:51 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | 1.39   | J         | 4.89 | 0.965 mg/L |   |          | 11/05/21 09:45 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       |       | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.39      | J         | 4.89     | 0.965 | mg/L |   | 11/09/21 17:12 | 11/09/21 20:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.965    | U         | 4.89     | 0.965 | mg/L |   | 11/09/21 17:12 | 11/09/21 20:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.932    | U         | 4.89     | 0.932 | mg/L |   | 11/09/21 17:12 | 11/09/21 20:21 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |      |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 92        |           | 70 - 135 |       |      |   | 11/09/21 17:12 | 11/09/21 20:21 | 1       |

Eurofins Xenco, Midland

Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

Client Sample ID: MW-2

Lab Sample ID: 880-8023-2

Date Collected: 11/05/21 15:15

Matrix: Water

Date Received: 11/08/21 08:17

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Surrogate   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 105       |           | 70 - 135 | 11/09/21 17:12 | 11/09/21 20:21 | 1       |

Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result  | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 141     |           | 0.500 | 0.200 mg/L  |   |          | 11/11/21 13:34 | 1       |
| Nitrate as N | <0.0391 | U H H3    | 0.100 | 0.0391 mg/L |   |          | 11/09/21 16:23 | 1       |
| Fluoride     | 0.363   | J         | 0.500 | 0.100 mg/L  |   |          | 11/09/21 16:23 | 1       |
| Nitrite as N | 0.454   | H H3      | 0.100 | 0.0293 mg/L |   |          | 11/09/21 16:23 | 1       |
| Sulfate      | 108     |           | 0.500 | 0.109 mg/L  |   |          | 11/09/21 16:23 | 1       |

General Chemistry

| Analyte                         | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------------|---|----------|----------------|---------|
| Alkalinity                      | 1250   |           | 4.00 | 4.00 mg/L  |   |          | 11/10/21 16:29 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 1250   |           | 4.00 | 4.00 mg/L  |   |          | 11/10/21 16:29 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L  |   |          | 11/10/21 16:29 | 1       |
| Carbon dioxide                  | 1730   |           |      | mg/L       |   |          | 11/11/21 15:03 | 1       |
| Carbon Dioxide, Free            | 628    |           |      | mg/L       |   |          | 11/11/21 15:03 | 1       |
| pH                              | 6.6    | HF        |      | SU         |   |          | 11/10/21 16:35 | 1       |
| Temperature                     | 22.8   | HF        |      | Celsius    |   |          | 11/10/21 16:35 | 1       |
| Sulfide                         | <0.495 | U         | 5.00 | 0.495 mg/L |   |          | 11/10/21 16:04 | 1       |

## Surrogate Summary

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID                      | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |                 |
|------------------------------------|------------------------|------------------------------------------------|------------------|-----------------|-----------------|
|                                    |                        | BFB<br>(74-124)                                | DBFM<br>(75-131) | DCA<br>(63-144) | TOL<br>(80-117) |
| 860-15153-Q-4 MS                   | Matrix Spike           | 100                                            | 99               | 102             | 99              |
| 860-15153-Q-12 MS                  | Matrix Spike           | 100                                            | 100              | 101             | 100             |
| 880-8023-1                         | MW-1                   | 99                                             | 102              | 107             | 104             |
| 880-8023-1                         | MW-1                   | 102                                            | 101              | 109             | 105             |
| 880-8023-2                         | MW-2                   | 100                                            | 99               | 103             | 103             |
| 880-8023-2                         | MW-2                   | 98                                             | 100              | 106             | 104             |
| LCS 860-29835/1009                 | Lab Control Sample     | 100                                            | 100              | 100             | 100             |
| LCS 860-30029/3                    | Lab Control Sample     | 101                                            | 101              | 99              | 99              |
| LCSD 860-29835/10                  | Lab Control Sample Dup | 101                                            | 100              | 100             | 99              |
| LCSD 860-30029/4                   | Lab Control Sample Dup | 99                                             | 98               | 97              | 100             |
| MB 860-29835/15                    | Method Blank           | 100                                            | 98               | 101             | 102             |
| MB 860-30029/10                    | Method Blank           | 100                                            | 100              | 102             | 101             |
| <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

| Lab Sample ID           | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
|                         |                        | 1CO1<br>(70-135)                               | OTPH1<br>(70-135) |
| 880-8023-1              | MW-1                   | 95                                             | 106               |
| 880-8023-1 MS           | MW-1                   | 106                                            | 102               |
| 880-8023-2              | MW-2                   | 92                                             | 105               |
| LCS 860-29980/2-A       | Lab Control Sample     | 119                                            | 104               |
| LCSD 860-29980/3-A      | Lab Control Sample Dup | 120                                            | 104               |
| MB 860-29980/1-A        | Method Blank           | 109                                            | 124               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-29835/15

Matrix: Water

Analysis Batch: 29835

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromobenzene                  | <0.000300 | U            | 0.00100 | 0.000300 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromochloromethane            | <0.000209 | U            | 0.00100 | 0.000209 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromodichloromethane          | <0.000231 | U            | 0.00100 | 0.000231 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromoform                     | <0.000630 | U            | 0.00500 | 0.000630 mg/L |   |          | 11/09/21 15:38 | 1       |
| Bromomethane                  | <0.00105  | U            | 0.00500 | 0.00105 mg/L  |   |          | 11/09/21 15:38 | 1       |
| 2-Butanone                    | <0.00270  | U            | 0.0500  | 0.00270 mg/L  |   |          | 11/09/21 15:38 | 1       |
| Carbon tetrachloride          | <0.000423 | U            | 0.00500 | 0.000423 mg/L |   |          | 11/09/21 15:38 | 1       |
| Chlorobenzene                 | <0.000159 | U            | 0.00100 | 0.000159 mg/L |   |          | 11/09/21 15:38 | 1       |
| Chloroethane                  | <0.000433 | U            | 0.0100  | 0.000433 mg/L |   |          | 11/09/21 15:38 | 1       |
| Chloroform                    | <0.000259 | U            | 0.00100 | 0.000259 mg/L |   |          | 11/09/21 15:38 | 1       |
| Chloromethane                 | <0.000318 | U            | 0.0100  | 0.000318 mg/L |   |          | 11/09/21 15:38 | 1       |
| 2-Chlorotoluene               | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/09/21 15:38 | 1       |
| 4-Chlorotoluene               | <0.000183 | U            | 0.00100 | 0.000183 mg/L |   |          | 11/09/21 15:38 | 1       |
| cis-1,2-Dichloroethene        | <0.000174 | U            | 0.00100 | 0.000174 mg/L |   |          | 11/09/21 15:38 | 1       |
| cis-1,3-Dichloropropene       | <0.000690 | U            | 0.00500 | 0.000690 mg/L |   |          | 11/09/21 15:38 | 1       |
| Dibromochloromethane          | <0.000739 | U            | 0.00500 | 0.000739 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.000319 | U            | 0.00100 | 0.000319 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dibromoethane             | <0.000337 | U            | 0.00500 | 0.000337 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dichlorobenzene           | <0.000236 | U            | 0.00100 | 0.000236 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,3-Dichlorobenzene           | <0.000197 | U            | 0.00100 | 0.000197 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,4-Dichlorobenzene           | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/09/21 15:38 | 1       |
| Dichlorodifluoromethane       | <0.000316 | U            | 0.00100 | 0.000316 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1-Dichloroethane            | <0.000244 | U            | 0.00100 | 0.000244 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dichloroethane            | <0.000285 | U            | 0.00100 | 0.000285 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U            | 0.00100 | 0.000216 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U            | 0.00500 | 0.000396 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U            | 0.00500 | 0.000439 mg/L |   |          | 11/09/21 15:38 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U            | 0.00500 | 0.000360 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U            | 0.00500 | 0.000481 mg/L |   |          | 11/09/21 15:38 | 1       |
| Ethylbenzene                  | <0.000515 | U            | 0.00100 | 0.000515 mg/L |   |          | 11/09/21 15:38 | 1       |
| Hexachlorobutadiene           | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 15:38 | 1       |
| Isopropylbenzene              | <0.000161 | U            | 0.00100 | 0.000161 mg/L |   |          | 11/09/21 15:38 | 1       |
| Methylene Chloride            | <0.00191  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/09/21 15:38 | 1       |
| m,p-Xylenes                   | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/09/21 15:38 | 1       |
| MTBE                          | <0.000571 | U            | 0.00500 | 0.000571 mg/L |   |          | 11/09/21 15:38 | 1       |
| Naphthalene                   | <0.00200  | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/09/21 15:38 | 1       |
| n-Butylbenzene                | <0.000286 | U            | 0.00100 | 0.000286 mg/L |   |          | 11/09/21 15:38 | 1       |
| N-Propylbenzene               | <0.000179 | U            | 0.00100 | 0.000179 mg/L |   |          | 11/09/21 15:38 | 1       |
| o-Xylene                      | <0.000192 | U            | 0.00100 | 0.000192 mg/L |   |          | 11/09/21 15:38 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U            | 0.00100 | 0.000233 mg/L |   |          | 11/09/21 15:38 | 1       |
| sec-Butylbenzene              | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/09/21 15:38 | 1       |
| Styrene                       | <0.000623 | U            | 0.00100 | 0.000623 mg/L |   |          | 11/09/21 15:38 | 1       |
| tert-Butylbenzene             | <0.000195 | U            | 0.00100 | 0.000195 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U            | 0.00100 | 0.000327 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U            | 0.00100 | 0.000284 mg/L |   |          | 11/09/21 15:38 | 1       |
| Tetrachloroethene             | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/09/21 15:38 | 1       |
| Toluene                       | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/09/21 15:38 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-29835/15

Matrix: Water

Analysis Batch: 29835

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  | <0.000256 | U            | 0.00100 | 0.000256 mg/L |   |          | 11/09/21 15:38 | 1       |
| trans-1,3-Dichloropropene | <0.000752 | U            | 0.00500 | 0.000752 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 15:38 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/09/21 15:38 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U            | 0.00500 | 0.000504 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U            | 0.00100 | 0.000228 mg/L |   |          | 11/09/21 15:38 | 1       |
| Trichloroethene           | <0.000424 | U            | 0.00500 | 0.000424 mg/L |   |          | 11/09/21 15:38 | 1       |
| Trichlorofluoromethane    | <0.000245 | U            | 0.00100 | 0.000245 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U            | 0.00100 | 0.000283 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000252 | U            | 0.00100 | 0.000252 mg/L |   |          | 11/09/21 15:38 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000279 | U            | 0.00100 | 0.000279 mg/L |   |          | 11/09/21 15:38 | 1       |
| Vinyl chloride            | <0.000234 | U            | 0.00200 | 0.000234 mg/L |   |          | 11/09/21 15:38 | 1       |
| Xylenes, Total            | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/09/21 15:38 | 1       |
| Total BTEX                | <0.00100  | U            | 0.0100  | 0.00100 mg/L  |   |          | 11/09/21 15:38 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 100          |              | 74 - 124 |          | 11/09/21 15:38 | 1       |
| Dibromofluoromethane (Surr)  | 98           |              | 75 - 131 |          | 11/09/21 15:38 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101          |              | 63 - 144 |          | 11/09/21 15:38 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 80 - 117 |          | 11/09/21 15:38 | 1       |

Lab Sample ID: LCS 860-29835/1009

Matrix: Water

Analysis Batch: 29835

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      | 0.04872    |               | mg/L |   | 97   | 66 - 142     |
| Bromobenzene                | 0.0500      | 0.05137    |               | mg/L |   | 103  | 75 - 125     |
| Bromochloromethane          | 0.0500      | 0.05070    |               | mg/L |   | 101  | 60 - 140     |
| Bromodichloromethane        | 0.0500      | 0.05140    |               | mg/L |   | 103  | 75 - 125     |
| Bromoform                   | 0.0500      | 0.05338    |               | mg/L |   | 107  | 75 - 125     |
| Bromomethane                | 0.0500      | 0.05090    |               | mg/L |   | 102  | 60 - 140     |
| 2-Butanone                  | 0.250       | 0.2661     |               | mg/L |   | 106  | 60 - 140     |
| Carbon tetrachloride        | 0.0500      | 0.05005    |               | mg/L |   | 100  | 62 - 125     |
| Chlorobenzene               | 0.0500      | 0.05213    |               | mg/L |   | 104  | 60 - 133     |
| Chloroethane                | 0.0500      | 0.04932    |               | mg/L |   | 99   | 60 - 140     |
| Chloroform                  | 0.0500      | 0.05142    |               | mg/L |   | 103  | 70 - 130     |
| Chloromethane               | 0.0500      | 0.04939    |               | mg/L |   | 99   | 60 - 140     |
| 2-Chlorotoluene             | 0.0500      | 0.05178    |               | mg/L |   | 104  | 73 - 125     |
| 4-Chlorotoluene             | 0.0500      | 0.05181    |               | mg/L |   | 104  | 74 - 125     |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05167    |               | mg/L |   | 103  | 75 - 125     |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05229    |               | mg/L |   | 105  | 74 - 125     |
| Dibromochloromethane        | 0.0500      | 0.05191    |               | mg/L |   | 104  | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05372    |               | mg/L |   | 107  | 59 - 125     |
| 1,2-Dibromoethane           | 0.0500      | 0.05266    |               | mg/L |   | 105  | 73 - 125     |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05158    |               | mg/L |   | 103  | 75 - 125     |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05194    |               | mg/L |   | 104  | 75 - 125     |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05105    |               | mg/L |   | 102  | 75 - 125     |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCS 860-29835/1009

Matrix: Water

Analysis Batch: 29835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Dichlorodifluoromethane       | 0.0500      | 0.05047    |               | mg/L |   | 101  | 70 - 130     |
| 1,1-Dichloroethane            | 0.0500      | 0.05200    |               | mg/L |   | 104  | 72 - 125     |
| 1,2-Dichloroethane            | 0.0500      | 0.05097    |               | mg/L |   | 102  | 68 - 127     |
| 1,1-Dichloroethene            | 0.0500      | 0.04715    |               | mg/L |   | 94   | 59 - 172     |
| 1,2-Dichloropropane           | 0.0500      | 0.05122    |               | mg/L |   | 102  | 74 - 125     |
| 1,3-Dichloropropane           | 0.0500      | 0.05135    |               | mg/L |   | 103  | 75 - 125     |
| 2,2-Dichloropropane           | 0.0500      | 0.05189    |               | mg/L |   | 104  | 75 - 125     |
| 1,1-Dichloropropene           | 0.0500      | 0.05328    |               | mg/L |   | 107  | 75 - 125     |
| Ethylbenzene                  | 0.0500      | 0.05326    |               | mg/L |   | 107  | 75 - 125     |
| Hexachlorobutadiene           | 0.0500      | 0.05429    |               | mg/L |   | 109  | 75 - 125     |
| Isopropylbenzene              | 0.0500      | 0.04727    |               | mg/L |   | 95   | 75 - 125     |
| Methylene Chloride            | 0.0500      | 0.04976    |               | mg/L |   | 100  | 75 - 125     |
| m,p-Xylenes                   | 0.0500      | 0.05277    |               | mg/L |   | 106  | 75 - 125     |
| MTBE                          | 0.0500      | 0.05202    |               | mg/L |   | 104  | 65 - 135     |
| Naphthalene                   | 0.0500      | 0.05156    |               | mg/L |   | 103  | 70 - 130     |
| n-Butylbenzene                | 0.0500      | 0.05302    |               | mg/L |   | 106  | 75 - 125     |
| N-Propylbenzene               | 0.0500      | 0.05258    |               | mg/L |   | 105  | 75 - 125     |
| o-Xylene                      | 0.0500      | 0.05330    |               | mg/L |   | 107  | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05362    |               | mg/L |   | 107  | 75 - 125     |
| sec-Butylbenzene              | 0.0500      | 0.05334    |               | mg/L |   | 107  | 75 - 125     |
| Styrene                       | 0.0500      | 0.04705    |               | mg/L |   | 94   | 75 - 125     |
| tert-Butylbenzene             | 0.0500      | 0.05342    |               | mg/L |   | 107  | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05236    |               | mg/L |   | 105  | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05153    |               | mg/L |   | 103  | 74 - 125     |
| Tetrachloroethene             | 0.0500      | 0.05299    |               | mg/L |   | 106  | 71 - 125     |
| Toluene                       | 0.0500      | 0.05123    |               | mg/L |   | 102  | 59 - 139     |
| trans-1,2-Dichloroethene      | 0.0500      | 0.05245    |               | mg/L |   | 105  | 75 - 125     |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05200    |               | mg/L |   | 104  | 66 - 125     |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05057    |               | mg/L |   | 101  | 75 - 137     |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.04624    |               | mg/L |   | 92   | 75 - 135     |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05267    |               | mg/L |   | 105  | 75 - 125     |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05155    |               | mg/L |   | 103  | 75 - 127     |
| Trichloroethene               | 0.0500      | 0.05213    |               | mg/L |   | 104  | 62 - 137     |
| Trichlorofluoromethane        | 0.0500      | 0.05312    |               | mg/L |   | 106  | 60 - 140     |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05385    |               | mg/L |   | 108  | 75 - 125     |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05330    |               | mg/L |   | 107  | 75 - 125     |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05294    |               | mg/L |   | 106  | 60 - 140     |
| Vinyl chloride                | 0.0500      | 0.05303    |               | mg/L |   | 106  | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 100           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 63 - 144 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 117 |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-29835/10

Matrix: Water

Analysis Batch: 29835

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      | 0.05072     |                | mg/L |   | 101  | 66 - 142     | 4   | 25        |
| Bromobenzene                  | 0.0500      | 0.05348     |                | mg/L |   | 107  | 75 - 125     | 4   | 25        |
| Bromochloromethane            | 0.0500      | 0.05271     |                | mg/L |   | 105  | 60 - 140     | 4   | 25        |
| Bromodichloromethane          | 0.0500      | 0.05406     |                | mg/L |   | 108  | 75 - 125     | 5   | 25        |
| Bromoform                     | 0.0500      | 0.05552     |                | mg/L |   | 111  | 75 - 125     | 4   | 25        |
| Bromomethane                  | 0.0500      | 0.05408     |                | mg/L |   | 108  | 60 - 140     | 6   | 25        |
| 2-Butanone                    | 0.250       | 0.2743      |                | mg/L |   | 110  | 60 - 140     | 3   | 25        |
| Carbon tetrachloride          | 0.0500      | 0.05023     |                | mg/L |   | 100  | 62 - 125     | 0   | 25        |
| Chlorobenzene                 | 0.0500      | 0.05320     |                | mg/L |   | 106  | 60 - 133     | 2   | 25        |
| Chloroethane                  | 0.0500      | 0.05342     |                | mg/L |   | 107  | 60 - 140     | 8   | 25        |
| Chloroform                    | 0.0500      | 0.05313     |                | mg/L |   | 106  | 70 - 130     | 3   | 25        |
| Chloromethane                 | 0.0500      | 0.05223     |                | mg/L |   | 104  | 60 - 140     | 6   | 25        |
| 2-Chlorotoluene               | 0.0500      | 0.05359     |                | mg/L |   | 107  | 73 - 125     | 3   | 25        |
| 4-Chlorotoluene               | 0.0500      | 0.05353     |                | mg/L |   | 107  | 74 - 125     | 3   | 25        |
| cis-1,2-Dichloroethene        | 0.0500      | 0.05326     |                | mg/L |   | 107  | 75 - 125     | 3   | 25        |
| cis-1,3-Dichloropropene       | 0.0500      | 0.05485     |                | mg/L |   | 110  | 74 - 125     | 5   | 25        |
| Dibromochloromethane          | 0.0500      | 0.05411     |                | mg/L |   | 108  | 73 - 125     | 4   | 25        |
| 1,2-Dibromo-3-Chloropropane   | 0.0500      | 0.05935     |                | mg/L |   | 119  | 59 - 125     | 10  | 25        |
| 1,2-Dibromoethane             | 0.0500      | 0.05408     |                | mg/L |   | 108  | 73 - 125     | 3   | 25        |
| 1,2-Dichlorobenzene           | 0.0500      | 0.05419     |                | mg/L |   | 108  | 75 - 125     | 5   | 25        |
| 1,3-Dichlorobenzene           | 0.0500      | 0.05392     |                | mg/L |   | 108  | 75 - 125     | 4   | 25        |
| 1,4-Dichlorobenzene           | 0.0500      | 0.05306     |                | mg/L |   | 106  | 75 - 125     | 4   | 25        |
| Dichlorodifluoromethane       | 0.0500      | 0.05264     |                | mg/L |   | 105  | 70 - 130     | 4   | 25        |
| 1,1-Dichloroethane            | 0.0500      | 0.05339     |                | mg/L |   | 107  | 72 - 125     | 3   | 25        |
| 1,2-Dichloroethane            | 0.0500      | 0.05255     |                | mg/L |   | 105  | 68 - 127     | 3   | 25        |
| 1,1-Dichloroethene            | 0.0500      | 0.04708     |                | mg/L |   | 94   | 59 - 172     | 0   | 25        |
| 1,2-Dichloropropane           | 0.0500      | 0.05316     |                | mg/L |   | 106  | 74 - 125     | 4   | 25        |
| 1,3-Dichloropropane           | 0.0500      | 0.05280     |                | mg/L |   | 106  | 75 - 125     | 3   | 25        |
| 2,2-Dichloropropane           | 0.0500      | 0.05204     |                | mg/L |   | 104  | 75 - 125     | 0   | 25        |
| 1,1-Dichloropropene           | 0.0500      | 0.05322     |                | mg/L |   | 106  | 75 - 125     | 0   | 25        |
| Ethylbenzene                  | 0.0500      | 0.05420     |                | mg/L |   | 108  | 75 - 125     | 2   | 25        |
| Hexachlorobutadiene           | 0.0500      | 0.05917     |                | mg/L |   | 118  | 75 - 125     | 9   | 25        |
| Isopropylbenzene              | 0.0500      | 0.04766     |                | mg/L |   | 95   | 75 - 125     | 1   | 25        |
| Methylene Chloride            | 0.0500      | 0.05086     |                | mg/L |   | 102  | 75 - 125     | 2   | 25        |
| m,p-Xylenes                   | 0.0500      | 0.05392     |                | mg/L |   | 108  | 75 - 125     | 2   | 25        |
| MTBE                          | 0.0500      | 0.05410     |                | mg/L |   | 108  | 65 - 135     | 4   | 25        |
| Naphthalene                   | 0.0500      | 0.06598     | *+             | mg/L |   | 132  | 70 - 130     | 25  | 25        |
| n-Butylbenzene                | 0.0500      | 0.05505     |                | mg/L |   | 110  | 75 - 125     | 4   | 25        |
| N-Propylbenzene               | 0.0500      | 0.05421     |                | mg/L |   | 108  | 75 - 125     | 3   | 25        |
| o-Xylene                      | 0.0500      | 0.05415     |                | mg/L |   | 108  | 75 - 125     | 2   | 25        |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05553     |                | mg/L |   | 111  | 75 - 125     | 4   | 25        |
| sec-Butylbenzene              | 0.0500      | 0.05465     |                | mg/L |   | 109  | 75 - 125     | 2   | 25        |
| Styrene                       | 0.0500      | 0.04787     |                | mg/L |   | 96   | 75 - 125     | 2   | 25        |
| tert-Butylbenzene             | 0.0500      | 0.05506     |                | mg/L |   | 110  | 75 - 125     | 3   | 25        |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05442     |                | mg/L |   | 109  | 72 - 125     | 4   | 25        |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05500     |                | mg/L |   | 110  | 74 - 125     | 7   | 25        |
| Tetrachloroethene             | 0.0500      | 0.05389     |                | mg/L |   | 108  | 71 - 125     | 2   | 25        |
| Toluene                       | 0.0500      | 0.05243     |                | mg/L |   | 105  | 59 - 139     | 2   | 25        |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-29835/10

Matrix: Water

Analysis Batch: 29835

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      | 0.05383     |                | mg/L |   | 108  | 75 - 125     | 3   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05448     |                | mg/L |   | 109  | 66 - 125     | 5   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.06445     |                | mg/L |   | 129  | 75 - 137     | 24  | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05358     |                | mg/L |   | 107  | 75 - 135     | 15  | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05253     |                | mg/L |   | 105  | 75 - 125     | 0   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05341     |                | mg/L |   | 107  | 75 - 127     | 4   | 25        |
| Trichloroethene           | 0.0500      | 0.05393     |                | mg/L |   | 108  | 62 - 137     | 3   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.05608     |                | mg/L |   | 112  | 60 - 140     | 5   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05725     |                | mg/L |   | 115  | 75 - 125     | 6   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05536     |                | mg/L |   | 111  | 75 - 125     | 4   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05450     |                | mg/L |   | 109  | 60 - 140     | 3   | 25        |
| Vinyl chloride            | 0.0500      | 0.05611     |                | mg/L |   | 112  | 60 - 140     | 6   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 101            |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 100            |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 100            |                | 63 - 144    |
| Toluene-d8 (Surr)            | 99             |                | 80 - 117    |

Lab Sample ID: MB 860-30029/10

Matrix: Water

Analysis Batch: 30029

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL      | Unit     | D    | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|---------|----------|------|----------|----------------|---------|
| Benzene                     | <0.000214 | U            | 0.00100 | 0.000214 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromobenzene                | <0.000300 | U            | 0.00100 | 0.000300 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromochloromethane          | <0.000209 | U            | 0.00100 | 0.000209 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromodichloromethane        | <0.000231 | U            | 0.00100 | 0.000231 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromoform                   | <0.000630 | U            | 0.00500 | 0.000630 | mg/L |          | 11/10/21 11:27 | 1       |
| Bromomethane                | <0.00105  | U            | 0.00500 | 0.00105  | mg/L |          | 11/10/21 11:27 | 1       |
| 2-Butanone                  | <0.00270  | U            | 0.0500  | 0.00270  | mg/L |          | 11/10/21 11:27 | 1       |
| Carbon tetrachloride        | <0.000423 | U            | 0.00500 | 0.000423 | mg/L |          | 11/10/21 11:27 | 1       |
| Chlorobenzene               | <0.000159 | U            | 0.00100 | 0.000159 | mg/L |          | 11/10/21 11:27 | 1       |
| Chloroethane                | <0.000433 | U            | 0.0100  | 0.000433 | mg/L |          | 11/10/21 11:27 | 1       |
| Chloroform                  | <0.000259 | U            | 0.00100 | 0.000259 | mg/L |          | 11/10/21 11:27 | 1       |
| Chloromethane               | <0.000318 | U            | 0.0100  | 0.000318 | mg/L |          | 11/10/21 11:27 | 1       |
| 2-Chlorotoluene             | <0.000214 | U            | 0.00100 | 0.000214 | mg/L |          | 11/10/21 11:27 | 1       |
| 4-Chlorotoluene             | <0.000183 | U            | 0.00100 | 0.000183 | mg/L |          | 11/10/21 11:27 | 1       |
| cis-1,2-Dichloroethene      | <0.000174 | U            | 0.00100 | 0.000174 | mg/L |          | 11/10/21 11:27 | 1       |
| cis-1,3-Dichloropropene     | <0.000690 | U            | 0.00500 | 0.000690 | mg/L |          | 11/10/21 11:27 | 1       |
| Dibromochloromethane        | <0.000739 | U            | 0.00500 | 0.000739 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.000319 | U            | 0.00100 | 0.000319 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,2-Dibromoethane           | <0.000337 | U            | 0.00500 | 0.000337 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,2-Dichlorobenzene         | <0.000236 | U            | 0.00100 | 0.000236 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,3-Dichlorobenzene         | <0.000197 | U            | 0.00100 | 0.000197 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,4-Dichlorobenzene         | <0.000199 | U            | 0.00100 | 0.000199 | mg/L |          | 11/10/21 11:27 | 1       |
| Dichlorodifluoromethane     | <0.000316 | U            | 0.00100 | 0.000316 | mg/L |          | 11/10/21 11:27 | 1       |
| 1,1-Dichloroethane          | <0.000244 | U            | 0.00100 | 0.000244 | mg/L |          | 11/10/21 11:27 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-30029/10

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 30029

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| 1,2-Dichloroethane            | <0.000285 | U            | 0.00100 | 0.000285 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U            | 0.00100 | 0.000216 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U            | 0.00500 | 0.000396 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U            | 0.00500 | 0.000439 mg/L |   |          | 11/10/21 11:27 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U            | 0.00500 | 0.000360 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U            | 0.00500 | 0.000481 mg/L |   |          | 11/10/21 11:27 | 1       |
| Ethylbenzene                  | <0.000515 | U            | 0.00100 | 0.000515 mg/L |   |          | 11/10/21 11:27 | 1       |
| Hexachlorobutadiene           | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/10/21 11:27 | 1       |
| Isopropylbenzene              | <0.000161 | U            | 0.00100 | 0.000161 mg/L |   |          | 11/10/21 11:27 | 1       |
| Methylene Chloride            | <0.00191  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/10/21 11:27 | 1       |
| m,p-Xylenes                   | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/10/21 11:27 | 1       |
| MTBE                          | <0.000571 | U            | 0.00500 | 0.000571 mg/L |   |          | 11/10/21 11:27 | 1       |
| Naphthalene                   | <0.00200  | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/10/21 11:27 | 1       |
| n-Butylbenzene                | <0.000286 | U            | 0.00100 | 0.000286 mg/L |   |          | 11/10/21 11:27 | 1       |
| N-Propylbenzene               | <0.000179 | U            | 0.00100 | 0.000179 mg/L |   |          | 11/10/21 11:27 | 1       |
| o-Xylene                      | <0.000192 | U            | 0.00100 | 0.000192 mg/L |   |          | 11/10/21 11:27 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U            | 0.00100 | 0.000233 mg/L |   |          | 11/10/21 11:27 | 1       |
| sec-Butylbenzene              | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/10/21 11:27 | 1       |
| Styrene                       | <0.000623 | U            | 0.00100 | 0.000623 mg/L |   |          | 11/10/21 11:27 | 1       |
| tert-Butylbenzene             | <0.000195 | U            | 0.00100 | 0.000195 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U            | 0.00100 | 0.000327 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U            | 0.00100 | 0.000284 mg/L |   |          | 11/10/21 11:27 | 1       |
| Tetrachloroethene             | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/10/21 11:27 | 1       |
| Toluene                       | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/10/21 11:27 | 1       |
| trans-1,2-Dichloroethene      | <0.000256 | U            | 0.00100 | 0.000256 mg/L |   |          | 11/10/21 11:27 | 1       |
| trans-1,3-Dichloropropene     | <0.000752 | U            | 0.00500 | 0.000752 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/10/21 11:27 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/10/21 11:27 | 1       |
| 1,1,1-Trichloroethane         | <0.000504 | U            | 0.00500 | 0.000504 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,1,2-Trichloroethane         | <0.000228 | U            | 0.00100 | 0.000228 mg/L |   |          | 11/10/21 11:27 | 1       |
| Trichloroethene               | <0.000424 | U            | 0.00500 | 0.000424 mg/L |   |          | 11/10/21 11:27 | 1       |
| Trichlorofluoromethane        | <0.000245 | U            | 0.00100 | 0.000245 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,2,3-Trichloropropane        | <0.000283 | U            | 0.00100 | 0.000283 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,2,4-Trimethylbenzene        | <0.000252 | U            | 0.00100 | 0.000252 mg/L |   |          | 11/10/21 11:27 | 1       |
| 1,3,5-Trimethylbenzene        | <0.000279 | U            | 0.00100 | 0.000279 mg/L |   |          | 11/10/21 11:27 | 1       |
| Vinyl chloride                | <0.000234 | U            | 0.00200 | 0.000234 mg/L |   |          | 11/10/21 11:27 | 1       |
| Xylenes, Total                | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/10/21 11:27 | 1       |
| Total BTEX                    | <0.00100  | U            | 0.0100  | 0.00100 mg/L  |   |          | 11/10/21 11:27 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 100          |              | 74 - 124 |          | 11/10/21 11:27 | 1       |
| Dibromofluoromethane (Surr)  | 100          |              | 75 - 131 |          | 11/10/21 11:27 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 102          |              | 63 - 144 |          | 11/10/21 11:27 | 1       |
| Toluene-d8 (Surr)            | 101          |              | 80 - 117 |          | 11/10/21 11:27 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCS 860-30029/3

Matrix: Water

Analysis Batch: 30029

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 |
|-------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
|                               |                |               |                  |      |   |      |                 |
| Benzene                       | 0.0500         | 0.05145       |                  | mg/L |   | 103  | 66 - 142        |
| Bromobenzene                  | 0.0500         | 0.05584       |                  | mg/L |   | 112  | 75 - 125        |
| Bromochloromethane            | 0.0500         | 0.05292       |                  | mg/L |   | 106  | 60 - 140        |
| Bromodichloromethane          | 0.0500         | 0.05545       |                  | mg/L |   | 111  | 75 - 125        |
| Bromoform                     | 0.0500         | 0.05531       |                  | mg/L |   | 111  | 75 - 125        |
| Bromomethane                  | 0.0500         | 0.04961       |                  | mg/L |   | 99   | 60 - 140        |
| 2-Butanone                    | 0.250          | 0.2791        |                  | mg/L |   | 112  | 60 - 140        |
| Carbon tetrachloride          | 0.0500         | 0.05299       |                  | mg/L |   | 106  | 62 - 125        |
| Chlorobenzene                 | 0.0500         | 0.05405       |                  | mg/L |   | 108  | 60 - 133        |
| Chloroethane                  | 0.0500         | 0.04859       |                  | mg/L |   | 97   | 60 - 140        |
| Chloroform                    | 0.0500         | 0.05586       |                  | mg/L |   | 112  | 70 - 130        |
| Chloromethane                 | 0.0500         | 0.04697       |                  | mg/L |   | 94   | 60 - 140        |
| 2-Chlorotoluene               | 0.0500         | 0.05547       |                  | mg/L |   | 111  | 73 - 125        |
| 4-Chlorotoluene               | 0.0500         | 0.05550       |                  | mg/L |   | 111  | 74 - 125        |
| cis-1,2-Dichloroethene        | 0.0500         | 0.05564       |                  | mg/L |   | 111  | 75 - 125        |
| cis-1,3-Dichloropropene       | 0.0500         | 0.05497       |                  | mg/L |   | 110  | 74 - 125        |
| Dibromochloromethane          | 0.0500         | 0.05480       |                  | mg/L |   | 110  | 73 - 125        |
| 1,2-Dibromo-3-Chloropropane   | 0.0500         | 0.05789       |                  | mg/L |   | 116  | 59 - 125        |
| 1,2-Dibromoethane             | 0.0500         | 0.05356       |                  | mg/L |   | 107  | 73 - 125        |
| 1,2-Dichlorobenzene           | 0.0500         | 0.05551       |                  | mg/L |   | 111  | 75 - 125        |
| 1,3-Dichlorobenzene           | 0.0500         | 0.05519       |                  | mg/L |   | 110  | 75 - 125        |
| 1,4-Dichlorobenzene           | 0.0500         | 0.05446       |                  | mg/L |   | 109  | 75 - 125        |
| Dichlorodifluoromethane       | 0.0500         | 0.05083       |                  | mg/L |   | 102  | 70 - 130        |
| 1,1-Dichloroethane            | 0.0500         | 0.05617       |                  | mg/L |   | 112  | 72 - 125        |
| 1,2-Dichloroethane            | 0.0500         | 0.05296       |                  | mg/L |   | 106  | 68 - 127        |
| 1,1-Dichloroethene            | 0.0500         | 0.04792       |                  | mg/L |   | 96   | 59 - 172        |
| 1,2-Dichloropropane           | 0.0500         | 0.05511       |                  | mg/L |   | 110  | 74 - 125        |
| 1,3-Dichloropropane           | 0.0500         | 0.05352       |                  | mg/L |   | 107  | 75 - 125        |
| 2,2-Dichloropropane           | 0.0500         | 0.05782       |                  | mg/L |   | 116  | 75 - 125        |
| 1,1-Dichloropropane           | 0.0500         | 0.05466       |                  | mg/L |   | 109  | 75 - 125        |
| Ethylbenzene                  | 0.0500         | 0.05508       |                  | mg/L |   | 110  | 75 - 125        |
| Hexachlorobutadiene           | 0.0500         | 0.05807       |                  | mg/L |   | 116  | 75 - 125        |
| Isopropylbenzene              | 0.0500         | 0.04867       |                  | mg/L |   | 97   | 75 - 125        |
| Methylene Chloride            | 0.0500         | 0.05204       |                  | mg/L |   | 104  | 75 - 125        |
| m,p-Xylenes                   | 0.0500         | 0.05422       |                  | mg/L |   | 108  | 75 - 125        |
| MTBE                          | 0.0500         | 0.05546       |                  | mg/L |   | 111  | 65 - 135        |
| Naphthalene                   | 0.0500         | 0.05861       |                  | mg/L |   | 117  | 70 - 130        |
| n-Butylbenzene                | 0.0500         | 0.05555       |                  | mg/L |   | 111  | 75 - 125        |
| N-Propylbenzene               | 0.0500         | 0.05559       |                  | mg/L |   | 111  | 75 - 125        |
| o-Xylene                      | 0.0500         | 0.05498       |                  | mg/L |   | 110  | 75 - 125        |
| p-Cymene (p-Isopropyltoluene) | 0.0500         | 0.05619       |                  | mg/L |   | 112  | 75 - 125        |
| sec-Butylbenzene              | 0.0500         | 0.05553       |                  | mg/L |   | 111  | 75 - 125        |
| Styrene                       | 0.0500         | 0.04889       |                  | mg/L |   | 98   | 75 - 125        |
| tert-Butylbenzene             | 0.0500         | 0.05619       |                  | mg/L |   | 112  | 75 - 125        |
| 1,1,1,2-Tetrachloroethane     | 0.0500         | 0.05659       |                  | mg/L |   | 113  | 72 - 125        |
| 1,1,2,2-Tetrachloroethane     | 0.0500         | 0.05491       |                  | mg/L |   | 110  | 74 - 125        |
| Tetrachloroethene             | 0.0500         | 0.05375       |                  | mg/L |   | 108  | 71 - 125        |
| Toluene                       | 0.0500         | 0.05306       |                  | mg/L |   | 106  | 59 - 139        |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCS 860-30029/3

Matrix: Water

Analysis Batch: 30029

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| trans-1,2-Dichloroethene  | 0.0500      | 0.05268    |               | mg/L |   | 105  | 75 - 125     |
| trans-1,3-Dichloropropene | 0.0500      | 0.05517    |               | mg/L |   | 110  | 66 - 125     |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.05897    |               | mg/L |   | 118  | 75 - 137     |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05208    |               | mg/L |   | 104  | 75 - 135     |
| 1,1,1-Trichloroethane     | 0.0500      | 0.05647    |               | mg/L |   | 113  | 75 - 125     |
| 1,1,2-Trichloroethane     | 0.0500      | 0.05416    |               | mg/L |   | 108  | 75 - 127     |
| Trichloroethene           | 0.0500      | 0.05454    |               | mg/L |   | 109  | 62 - 137     |
| Trichlorofluoromethane    | 0.0500      | 0.05422    |               | mg/L |   | 108  | 60 - 140     |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05419    |               | mg/L |   | 108  | 75 - 125     |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05636    |               | mg/L |   | 113  | 75 - 125     |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05586    |               | mg/L |   | 112  | 60 - 140     |
| Vinyl chloride            | 0.0500      | 0.04999    |               | mg/L |   | 100  | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 101           |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 101           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 99            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 99            |               | 80 - 117 |

Lab Sample ID: LCSD 860-30029/4

Matrix: Water

Analysis Batch: 30029

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      | 0.04944     |                | mg/L |   | 99   | 66 - 142     | 4   | 25        |
| Bromobenzene                | 0.0500      | 0.05072     |                | mg/L |   | 101  | 75 - 125     | 10  | 25        |
| Bromochloromethane          | 0.0500      | 0.05122     |                | mg/L |   | 102  | 60 - 140     | 3   | 25        |
| Bromodichloromethane        | 0.0500      | 0.05299     |                | mg/L |   | 106  | 75 - 125     | 5   | 25        |
| Bromoform                   | 0.0500      | 0.05304     |                | mg/L |   | 106  | 75 - 125     | 4   | 25        |
| Bromomethane                | 0.0500      | 0.04926     |                | mg/L |   | 99   | 60 - 140     | 1   | 25        |
| 2-Butanone                  | 0.250       | 0.2607      |                | mg/L |   | 104  | 60 - 140     | 7   | 25        |
| Carbon tetrachloride        | 0.0500      | 0.04933     |                | mg/L |   | 99   | 62 - 125     | 7   | 25        |
| Chlorobenzene               | 0.0500      | 0.05105     |                | mg/L |   | 102  | 60 - 133     | 6   | 25        |
| Chloroethane                | 0.0500      | 0.04876     |                | mg/L |   | 98   | 60 - 140     | 0   | 25        |
| Chloroform                  | 0.0500      | 0.05299     |                | mg/L |   | 106  | 70 - 130     | 5   | 25        |
| Chloromethane               | 0.0500      | 0.04910     |                | mg/L |   | 98   | 60 - 140     | 4   | 25        |
| 2-Chlorotoluene             | 0.0500      | 0.05038     |                | mg/L |   | 101  | 73 - 125     | 10  | 25        |
| 4-Chlorotoluene             | 0.0500      | 0.05061     |                | mg/L |   | 101  | 74 - 125     | 9   | 25        |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05183     |                | mg/L |   | 104  | 75 - 125     | 7   | 25        |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05319     |                | mg/L |   | 106  | 74 - 125     | 3   | 25        |
| Dibromochloromethane        | 0.0500      | 0.05290     |                | mg/L |   | 106  | 73 - 125     | 4   | 25        |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05488     |                | mg/L |   | 110  | 59 - 125     | 5   | 25        |
| 1,2-Dibromoethane           | 0.0500      | 0.05196     |                | mg/L |   | 104  | 73 - 125     | 3   | 25        |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05142     |                | mg/L |   | 103  | 75 - 125     | 8   | 25        |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05032     |                | mg/L |   | 101  | 75 - 125     | 9   | 25        |
| 1,4-Dichlorobenzene         | 0.0500      | 0.04996     |                | mg/L |   | 100  | 75 - 125     | 9   | 25        |
| Dichlorodifluoromethane     | 0.0500      | 0.05593     |                | mg/L |   | 112  | 70 - 130     | 10  | 25        |
| 1,1-Dichloroethane          | 0.0500      | 0.05254     |                | mg/L |   | 105  | 72 - 125     | 7   | 25        |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-30029/4

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 30029

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,2-Dichloroethane            | 0.0500      | 0.05185     |                | mg/L |   | 104  | 68 - 127     | 2   | 25        |
| 1,1-Dichloroethene            | 0.0500      | 0.04464     |                | mg/L |   | 89   | 59 - 172     | 7   | 25        |
| 1,2-Dichloropropane           | 0.0500      | 0.05326     |                | mg/L |   | 107  | 74 - 125     | 3   | 25        |
| 1,3-Dichloropropane           | 0.0500      | 0.05236     |                | mg/L |   | 105  | 75 - 125     | 2   | 25        |
| 2,2-Dichloropropane           | 0.0500      | 0.05278     |                | mg/L |   | 106  | 75 - 125     | 9   | 25        |
| 1,1-Dichloropropene           | 0.0500      | 0.05070     |                | mg/L |   | 101  | 75 - 125     | 8   | 25        |
| Ethylbenzene                  | 0.0500      | 0.05186     |                | mg/L |   | 104  | 75 - 125     | 6   | 25        |
| Hexachlorobutadiene           | 0.0500      | 0.05697     |                | mg/L |   | 114  | 75 - 125     | 2   | 25        |
| Isopropylbenzene              | 0.0500      | 0.04666     |                | mg/L |   | 93   | 75 - 125     | 4   | 25        |
| Methylene Chloride            | 0.0500      | 0.05008     |                | mg/L |   | 100  | 75 - 125     | 4   | 25        |
| m,p-Xylenes                   | 0.0500      | 0.05092     |                | mg/L |   | 102  | 75 - 125     | 6   | 25        |
| MTBE                          | 0.0500      | 0.05315     |                | mg/L |   | 106  | 65 - 135     | 4   | 25        |
| Naphthalene                   | 0.0500      | 0.05417     |                | mg/L |   | 108  | 70 - 130     | 8   | 25        |
| n-Butylbenzene                | 0.0500      | 0.05360     |                | mg/L |   | 107  | 75 - 125     | 4   | 25        |
| N-Propylbenzene               | 0.0500      | 0.05136     |                | mg/L |   | 103  | 75 - 125     | 8   | 25        |
| o-Xylene                      | 0.0500      | 0.05208     |                | mg/L |   | 104  | 75 - 125     | 5   | 25        |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05312     |                | mg/L |   | 106  | 75 - 125     | 6   | 25        |
| sec-Butylbenzene              | 0.0500      | 0.05266     |                | mg/L |   | 105  | 75 - 125     | 5   | 25        |
| Styrene                       | 0.0500      | 0.04613     |                | mg/L |   | 92   | 75 - 125     | 6   | 25        |
| tert-Butylbenzene             | 0.0500      | 0.05234     |                | mg/L |   | 105  | 75 - 125     | 7   | 25        |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05370     |                | mg/L |   | 107  | 72 - 125     | 5   | 25        |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.05274     |                | mg/L |   | 105  | 74 - 125     | 4   | 25        |
| Tetrachloroethene             | 0.0500      | 0.05014     |                | mg/L |   | 100  | 71 - 125     | 7   | 25        |
| Toluene                       | 0.0500      | 0.05025     |                | mg/L |   | 101  | 59 - 139     | 5   | 25        |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04930     |                | mg/L |   | 99   | 75 - 125     | 7   | 25        |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05250     |                | mg/L |   | 105  | 66 - 125     | 5   | 25        |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05318     |                | mg/L |   | 106  | 75 - 137     | 10  | 25        |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.04770     |                | mg/L |   | 95   | 75 - 135     | 9   | 25        |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05219     |                | mg/L |   | 104  | 75 - 125     | 8   | 25        |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05245     |                | mg/L |   | 105  | 75 - 127     | 3   | 25        |
| Trichloroethene               | 0.0500      | 0.05142     |                | mg/L |   | 103  | 62 - 137     | 6   | 25        |
| Trichlorofluoromethane        | 0.0500      | 0.05595     |                | mg/L |   | 112  | 60 - 140     | 3   | 25        |
| 1,2,3-Trichloropropane        | 0.0500      | 0.05087     |                | mg/L |   | 102  | 75 - 125     | 6   | 25        |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05160     |                | mg/L |   | 103  | 75 - 125     | 9   | 25        |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05199     |                | mg/L |   | 104  | 60 - 140     | 7   | 25        |
| Vinyl chloride                | 0.0500      | 0.05160     |                | mg/L |   | 103  | 60 - 140     | 3   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 99             |                | 74 - 124 |
| Dibromofluoromethane (Surr)  | 98             |                | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 97             |                | 63 - 144 |
| Toluene-d8 (Surr)            | 100            |                | 80 - 117 |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-29980/1-A

Matrix: Water

Analysis Batch: 29997

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29980

| 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 |   | 11/09/21 17:12 | 11/09/21 19:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.988       | U            | 5.00     | 0.988 mg/L |   | 11/09/21 17:12 | 11/09/21 19:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.954       | U            | 5.00     | 0.954 mg/L |   | 11/09/21 17:12 | 11/09/21 19:27 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 109          |              | 70 - 135 |            |   | 11/09/21 17:12 | 11/09/21 19:27 | 1       |
| o-Terphenyl                          | 124          |              | 70 - 135 |            |   | 11/09/21 17:12 | 11/09/21 19:27 | 1       |

Lab Sample ID: LCS 860-29980/2-A

Matrix: Water

Analysis Batch: 29997

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29980

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------------------|---------------|---------------|---------------|------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 100           | 103.9         |               | mg/L |   | 104  | 70 - 135     |
| Diesel Range Organics (Over C10-C28) | 99.7          | 108.2         |               | mg/L |   | 109  | 70 - 135     |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |      |   |      |              |
| 1-Chlorooctane                       | 119           |               | 70 - 135      |      |   |      |              |
| o-Terphenyl                          | 104           |               | 70 - 135      |      |   |      |              |

Lab Sample ID: LCSD 860-29980/3-A

Matrix: Water

Analysis Batch: 29997

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29980

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 100            | 107.0          |                | mg/L |   | 107  | 70 - 135     | 3   | 35        |
| Diesel Range Organics (Over C10-C28) | 99.7           | 110.6          |                | mg/L |   | 111  | 70 - 135     | 2   | 35        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |      |   |      |              |     |           |
| 1-Chlorooctane                       | 120            |                | 70 - 135       |      |   |      |              |     |           |
| o-Terphenyl                          | 104            |                | 70 - 135       |      |   |      |              |     |           |

Lab Sample ID: 880-8023-1 MS

Matrix: Water

Analysis Batch: 29997

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 29980

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | <1.03         | U                | 93.1        | 101.4     |              | mg/L |   | 109  | 70 - 135     |
| Diesel Range Organics (Over C10-C28) | <1.03         | U                | 92.6        | 92.95     |              | mg/L |   | 100  | 70 - 135     |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-8023-1 MS

Matrix: Water

Analysis Batch: 29997

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 29980

| Surrogate      | MS MS     |           | Limits   |
|----------------|-----------|-----------|----------|
|                | %Recovery | Qualifier |          |
| 1-Chlorooctane | 106       |           | 70 - 135 |
| o-Terphenyl    | 102       |           | 70 - 135 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-29905/206

Matrix: Water

Analysis Batch: 29905

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB MB  |           | RL    | Unit       | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-------|------------|---|----------|----------------|---------|
|          | Result | Qualifier |       |            |   |          |                |         |
| Chloride | <0.200 | U         | 0.500 | 0.200 mg/L |   |          | 11/11/21 10:02 | 1       |
| Fluoride | <0.100 | U         | 0.500 | 0.100 mg/L |   |          | 11/11/21 10:02 | 1       |
| Sulfate  | <0.109 | U         | 0.500 | 0.109 mg/L |   |          | 11/11/21 10:02 | 1       |

Lab Sample ID: MB 860-29905/3

Matrix: Water

Analysis Batch: 29905

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB MB  |           | RL    | Unit       | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-------|------------|---|----------|----------------|---------|
|          | Result | Qualifier |       |            |   |          |                |         |
| Chloride | <0.200 | U         | 0.500 | 0.200 mg/L |   |          | 11/09/21 09:28 | 1       |
| Fluoride | <0.100 | U         | 0.500 | 0.100 mg/L |   |          | 11/09/21 09:28 | 1       |
| Sulfate  | <0.109 | U         | 0.500 | 0.109 mg/L |   |          | 11/09/21 09:28 | 1       |

Lab Sample ID: LCS 860-29905/207

Matrix: Water

Analysis Batch: 29905

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS LCS |           | Unit | D | %Rec | %Rec.    |  |
|----------|-------------|---------|-----------|------|---|------|----------|--|
|          |             | Result  | Qualifier |      |   |      | Limits   |  |
| Chloride | 10.0        | 10.33   |           | mg/L |   | 103  | 90 - 110 |  |
| Fluoride | 10.0        | 10.60   |           | mg/L |   | 106  | 90 - 110 |  |
| Sulfate  | 10.0        | 9.494   |           | mg/L |   | 95   | 90 - 110 |  |

Lab Sample ID: LCS 860-29905/4

Matrix: Water

Analysis Batch: 29905

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS LCS |           | Unit | D | %Rec | %Rec.    |  |
|----------|-------------|---------|-----------|------|---|------|----------|--|
|          |             | Result  | Qualifier |      |   |      | Limits   |  |
| Chloride | 10.0        | 10.37   |           | mg/L |   | 104  | 90 - 110 |  |
| Fluoride | 10.0        | 10.44   |           | mg/L |   | 104  | 90 - 110 |  |
| Sulfate  | 10.0        | 9.598   |           | mg/L |   | 96   | 90 - 110 |  |

Lab Sample ID: LCSD 860-29905/208

Matrix: Water

Analysis Batch: 29905

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike Added | LCSD LCSD |           | Unit | D | %Rec | %Rec.    |  | RPD |       |
|----------|-------------|-----------|-----------|------|---|------|----------|--|-----|-------|
|          |             | Result    | Qualifier |      |   |      | Limits   |  | RPD | Limit |
| Chloride | 10.0        | 10.33     |           | mg/L |   | 103  | 90 - 110 |  | 0   | 20    |
| Fluoride | 10.0        | 10.63     |           | mg/L |   | 106  | 90 - 110 |  | 0   | 20    |
| Sulfate  | 10.0        | 9.490     |           | mg/L |   | 95   | 90 - 110 |  | 0   | 20    |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-29905/5

Matrix: Water

Analysis Batch: 29905

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 |
|----------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Fluoride | 10.0        | 10.48       |                | mg/L |   | 105  | 90 - 110     | 0   | 20        |
| Sulfate  | 10.0        | 9.869       |                | mg/L |   | 99   | 90 - 110     | 3   | 20        |

Lab Sample ID: MB 860-29906/3

Matrix: Water

Analysis Batch: 29906

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 |   |          | 11/09/21 09:28 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 11/09/21 09:28 | 1       |

Lab Sample ID: LCS 860-29906/4

Matrix: Water

Analysis Batch: 29906

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        | 10.11      |               | mg/L |   | 101  | 80 - 120     |
| Nitrite as N | 5.00        | 5.206      |               | mg/L |   | 104  | 80 - 120     |

Lab Sample ID: LCSD 860-29906/5

Matrix: Water

Analysis Batch: 29906

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        | 10.21       |                | mg/L |   | 102  | 80 - 120     | 1   | 20        |
| Nitrite as N | 5.00        | 5.209       |                | mg/L |   | 104  | 80 - 120     | 0   | 20        |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-30176/4

Matrix: Water

Analysis Batch: 30176

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 |   |          | 11/10/21 12:57 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/10/21 12:57 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/10/21 12:57 | 1       |

Lab Sample ID: LCS 860-30176/5

Matrix: Water

Analysis Batch: 30176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|------|---|------|--------------|
| Alkalinity | 250         | 232.1      |               | mg/L |   | 93   | 85 - 115     |

Eurofins Xenco, Midland

QC Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-30150/1  
Matrix: Water  
Analysis Batch: 30150

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 |   |          | 11/10/21 16:04 | 1       |

Lab Sample ID: LCS 860-30150/2  
Matrix: Water  
Analysis Batch: 30150

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfide | 51.4        | 48.20      |               | mg/L |   | 94   | 80 - 120     |

Lab Sample ID: LCSD 860-30150/3  
Matrix: Water  
Analysis Batch: 30150

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 | 51.4        | 48.00       |                | mg/L |   | 93   | 80 - 120     | 0   | 20        |

## QC Association Summary

Client: Ensolum

Job ID: 880-8023-1

Project/Site: South Hobbs - 03B1417002

## GC/MS VOA

## Analysis Batch: 29835

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-8023-1         | MW-1                   | Total/NA  | Water  | 8260C  |            |
| 880-8023-2         | MW-2                   | Total/NA  | Water  | 8260C  |            |
| MB 860-29835/15    | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-29835/1009 | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-29835/10  | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## Analysis Batch: 30029

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8023-1       | MW-1                   | Total/NA  | Water  | 8260C  |            |
| 880-8023-2       | MW-2                   | Total/NA  | Water  | 8260C  |            |
| MB 860-30029/10  | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-30029/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-30029/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## GC Semi VOA

## Analysis Batch: 28624

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-8023-1    | MW-1             | Total/NA  | Water  | 8015 NM |            |
| 880-8023-2    | MW-2             | Total/NA  | Water  | 8015 NM |            |

## Prep Batch: 29980

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| 880-8023-1         | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-8023-2         | MW-2                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 860-29980/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 860-29980/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 860-29980/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-8023-1 MS      | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |

## Analysis Batch: 29997

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-8023-1         | MW-1                   | Total/NA  | Water  | 8015B NM | 29980      |
| 880-8023-2         | MW-2                   | Total/NA  | Water  | 8015B NM | 29980      |
| MB 860-29980/1-A   | Method Blank           | Total/NA  | Water  | 8015B NM | 29980      |
| LCS 860-29980/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 29980      |
| LCSD 860-29980/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 29980      |
| 880-8023-1 MS      | MW-1                   | Total/NA  | Water  | 8015B NM | 29980      |

## HPLC/IC

## Analysis Batch: 29905

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-8023-1         | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-8023-1         | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-8023-2         | MW-2                   | Total/NA  | Water  | 300.0  |            |
| 880-8023-2         | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-29905/206   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| MB 860-29905/3     | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-29905/207  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCS 860-29905/4    | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-29905/208 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

Eurofins Xenco, Midland

QC Association Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

HPLC/IC (Continued)

Analysis Batch: 29905 (Continued)

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| LCSD 860-29905/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

Analysis Batch: 29906

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8023-1       | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-8023-2       | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-29906/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-29906/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-29906/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

General Chemistry

Analysis Batch: 30150

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|------------------|------------------------|-----------|--------|--------------|------------|
| 880-8023-1       | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-8023-2       | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| MB 860-30150/1   | Method Blank           | Total/NA  | Water  | SM 4500 S2 F |            |
| LCS 860-30150/2  | Lab Control Sample     | Total/NA  | Water  | SM 4500 S2 F |            |
| LCSD 860-30150/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 4500 S2 F |            |

Analysis Batch: 30159

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-8023-1    | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-8023-2    | MW-2             | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 30176

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 880-8023-1       | MW-1                   | Total/NA  | Water  | SM 2320B |            |
| 880-8023-2       | MW-2                   | Total/NA  | Water  | SM 2320B |            |
| MB 860-30176/4   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-30176/5  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-30176/6 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 30325

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method        | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 880-8023-1    | MW-1             | Total/NA  | Water  | SM 4500 CO2 D |            |
| 880-8023-2    | MW-2             | Total/NA  | Water  | SM 4500 CO2 D |            |

Lab Chronicle

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

Client Sample ID: MW-1  
Date Collected: 11/05/21 14:10  
Date Received: 11/08/21 08:17

Lab Sample ID: 880-8023-1  
Matrix: Water

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 29835        | 11/09/21 20:05       | NA      | XEN STF |
| Total/NA  | Analysis   | 8260C          |     | 1               | 30029        | 11/10/21 13:30       | NA      | XEN STF |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 28624        | 11/05/21 09:45       | IS      | XEN STF |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 29980        | 11/09/21 17:12       | SAR     | XEN STF |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 29997        | 11/09/21 19:45       | T1S     | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 29905        | 11/09/21 16:02       | WP      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 29906        | 11/09/21 16:02       | WP      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 29905        | 11/11/21 13:13       | WP      | XEN STF |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 30176        | 11/10/21 15:46       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 30325        | 11/11/21 15:03       | AA      | XEN STF |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 30159        | 11/10/21 16:35       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 30150        | 11/10/21 16:04       | YVD     | XEN STF |

Client Sample ID: MW-2  
Date Collected: 11/05/21 15:15  
Date Received: 11/08/21 08:17

Lab Sample ID: 880-8023-2  
Matrix: Water

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 29835        | 11/09/21 20:25       | NA      | XEN STF |
| Total/NA  | Analysis   | 8260C          |     | 1               | 30029        | 11/10/21 13:51       | NA      | XEN STF |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 28624        | 11/05/21 09:45       | IS      | XEN STF |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 29980        | 11/09/21 17:12       | SAR     | XEN STF |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 29997        | 11/09/21 20:21       | T1S     | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 29905        | 11/09/21 16:23       | WP      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 29906        | 11/09/21 16:23       | WP      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 29905        | 11/11/21 13:34       | WP      | XEN STF |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 30176        | 11/10/21 16:29       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 30325        | 11/11/21 15:03       | AA      | XEN STF |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 30159        | 11/10/21 16:35       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 30150        | 11/10/21 16:04       | YVD     | XEN STF |

Laboratory References:  
XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

Laboratory: Eurofins Xenco, Stafford

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-21-44      | 06-30-22        |

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)    |
| 8260C           |                | Water  | Total BTEX                           |
| 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: 880-8023-1

| Method         | Method Description                                    | Protocol | Laboratory |
|----------------|-------------------------------------------------------|----------|------------|
| 8260C          | Volatile Organic Compounds by GC/MS                   | SW846    | XEN STF    |
| 8015 NM        | Diesel Range Organics (DRO) (GC)                      | SW846    | XEN STF    |
| 8015B NM       | Diesel Range Organics (DRO) (GC)                      | SW846    | XEN STF    |
| 300.0          | Anions, Ion Chromatography                            | MCAWW    | XEN STF    |
| SM 2320B       | Alkalinity                                            | SM       | XEN STF    |
| SM 4500 CO2 D  | Carbon Dioxide and Forms of Alkalinity by Calculation | SM       | XEN STF    |
| SM 4500 H+ B   | pH                                                    | SM       | XEN STF    |
| SM 4500 S2 F   | Sulfide, Total                                        | SM       | XEN STF    |
| 5030C          | Purge and Trap                                        | SW846    | XEN STF    |
| 8015NM Aq Prep | Microextraction                                       | SW846    | XEN STF    |

**Protocol References:**

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:**

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



Sample Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8023-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-8023-1    | MW-1             | Water  | 11/05/21 14:10 | 11/08/21 08:17 |
| 880-8023-2    | MW-2             | Water  | 11/05/21 15:15 | 11/08/21 08:17 |

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



## Chain of Custody

Hobbs NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta GA (770-449-8600) Tampa FL (813-901-3333)  
Houston, TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio, TX (210) 509-5333  
Midland, TX (432-704-5440) El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296

880-8023 Chain of Custody



|                  |                   |                        |                       |
|------------------|-------------------|------------------------|-----------------------|
| Project Manager: | Beaux Jennings    | Bill to (if different) |                       |
| Company Name:    | Ensolum LLC       | Company Name:          |                       |
| Address:         | 705 W Wadley #210 | Address:               |                       |
| City, State ZIP: | Midland TX        | City, State ZIP:       |                       |
| Phone:           | 432-230-3344      | Email:                 | bjennings@ensolum.com |

|                                                                                                                                                                                                                |                                    |                                  |                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------|-----------------------------------------------------------------|
| <b>work order Comments</b>                                                                                                                                                                                     |                                    |                                  |                                                                 |
| <b>Program:</b> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/><br><b>State of Project:</b> |                                    |                                  |                                                                 |
| 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]

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-8023-1

Login Number: 8023

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Teel, Brianna

| Question                                                                         | Answer | Comment                             |
|----------------------------------------------------------------------------------|--------|-------------------------------------|
| The cooler's custody seal, if present, is intact.                                | True   |                                     |
| 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)    | False  | Refer to Job Narrative for details. |
| 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: 880-8023-1

Login Number: 8023

List Source: Eurofins Xenco, Stafford

List Number: 2

List Creation: 11/09/21 11:28 AM

Creator: Palmar, Pedro

| 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 America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-8238-1

Laboratory Sample Delivery Group: Hobbs NM

Client Project/Site: Levey Well Hobb NM - 03B1417001

Sampling Event: Levey Well

For:

Ensolum  
705 W. Wadley  
Suite 210  
Midland, Texas 79701

Attn: Beaux Jennings

A handwritten signature in black ink that reads "J. Kramer".

Authorized for release by:  
11/17/2021 8:16:11 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through

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

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

Laboratory Job ID: 880-8238-1  
SDG: Hobbs NM

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## Definitions/Glossary

Client: Ensolum

Job ID: 880-8238-1

Project/Site: Levey Well Hobb NM - 03B1417001

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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| 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.                                                       |

## 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                                                                                       |

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Case Narrative

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

Job ID: 880-8238-1  
SDG: Hobbs NM

Job ID: 880-8238-1

Laboratory: Eurofins Xenco, Midland

| Narrative |                             |
|-----------|-----------------------------|
|           | Job Narrative<br>880-8238-1 |

Receipt

The sample was received on 11/11/2021 3:35 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 5.7°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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-30532 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Metals

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

General Chemistry

Method 2540C\_Calcd: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Levey Well (880-8238-1) and (880-8238-B-1 DU).

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

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## Client Sample Results

Client: Ensolum

Job ID: 880-8238-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-8238-1

Date Collected: 11/11/21 13:30

Matrix: Water

Date Received: 11/11/21 15:35

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

| Analyte                              | Result          | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------|---------|---------------|---|----------|----------------|---------|
| <b>Benzene</b>                       | <b>0.00218</b>  |           | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 16:16 | 1       |
| Bromobenzene                         | <0.000300       | U         | 0.00100 | 0.000300 mg/L |   |          | 11/12/21 16:16 | 1       |
| Bromochloromethane                   | <0.000209       | U         | 0.00100 | 0.000209 mg/L |   |          | 11/12/21 16:16 | 1       |
| Bromodichloromethane                 | <0.000231       | U         | 0.00100 | 0.000231 mg/L |   |          | 11/12/21 16:16 | 1       |
| Bromoform                            | <0.000630       | U         | 0.00500 | 0.000630 mg/L |   |          | 11/12/21 16:16 | 1       |
| Bromomethane                         | <0.00105        | U         | 0.00500 | 0.00105 mg/L  |   |          | 11/12/21 16:16 | 1       |
| 2-Butanone                           | <0.00270        | U         | 0.0500  | 0.00270 mg/L  |   |          | 11/12/21 16:16 | 1       |
| Carbon tetrachloride                 | <0.000423       | U         | 0.00500 | 0.000423 mg/L |   |          | 11/12/21 16:16 | 1       |
| Chlorobenzene                        | <0.000159       | U         | 0.00100 | 0.000159 mg/L |   |          | 11/12/21 16:16 | 1       |
| Chloroethane                         | <0.000433       | U         | 0.0100  | 0.000433 mg/L |   |          | 11/12/21 16:16 | 1       |
| Chloroform                           | <0.000259       | U         | 0.00100 | 0.000259 mg/L |   |          | 11/12/21 16:16 | 1       |
| Chloromethane                        | <0.000318       | U         | 0.0100  | 0.000318 mg/L |   |          | 11/12/21 16:16 | 1       |
| 2-Chlorotoluene                      | <0.000214       | U         | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 16:16 | 1       |
| 4-Chlorotoluene                      | <0.000183       | U         | 0.00100 | 0.000183 mg/L |   |          | 11/12/21 16:16 | 1       |
| cis-1,2-Dichloroethene               | <0.000174       | U         | 0.00100 | 0.000174 mg/L |   |          | 11/12/21 16:16 | 1       |
| cis-1,3-Dichloropropene              | <0.000690       | U         | 0.00500 | 0.000690 mg/L |   |          | 11/12/21 16:16 | 1       |
| Dibromochloromethane                 | <0.000739       | U         | 0.00500 | 0.000739 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,2-Dibromo-3-Chloropropane          | <0.000319       | U         | 0.00100 | 0.000319 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,2-Dibromoethane                    | <0.000337       | U         | 0.00500 | 0.000337 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,2-Dichlorobenzene                  | <0.000236       | U         | 0.00100 | 0.000236 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,3-Dichlorobenzene                  | <0.000197       | U         | 0.00100 | 0.000197 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,4-Dichlorobenzene                  | <0.000199       | U         | 0.00100 | 0.000199 mg/L |   |          | 11/12/21 16:16 | 1       |
| Dichlorodifluoromethane              | <0.000316       | U         | 0.00100 | 0.000316 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,1-Dichloroethane                   | <0.000244       | U         | 0.00100 | 0.000244 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,2-Dichloroethane                   | <0.000285       | U         | 0.00100 | 0.000285 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,1-Dichloroethene                   | <0.000216       | U         | 0.00100 | 0.000216 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,2-Dichloropropane                  | <0.000396       | U         | 0.00500 | 0.000396 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,3-Dichloropropane                  | <0.000439       | U         | 0.00500 | 0.000439 mg/L |   |          | 11/12/21 16:16 | 1       |
| 2,2-Dichloropropane                  | <0.000360       | U         | 0.00500 | 0.000360 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,1-Dichloropropene                  | <0.000481       | U         | 0.00500 | 0.000481 mg/L |   |          | 11/12/21 16:16 | 1       |
| <b>Ethylbenzene</b>                  | <b>0.00928</b>  |           | 0.00100 | 0.000515 mg/L |   |          | 11/12/21 16:16 | 1       |
| Hexachlorobutadiene                  | <0.00200        | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 16:16 | 1       |
| <b>Isopropylbenzene</b>              | <b>0.00534</b>  |           | 0.00100 | 0.000161 mg/L |   |          | 11/12/21 16:16 | 1       |
| Methylene Chloride                   | <0.00191        | U         | 0.00500 | 0.00191 mg/L  |   |          | 11/12/21 16:16 | 1       |
| <b>m,p-Xylenes</b>                   | <b>0.0330</b>   |           | 0.0100  | 0.000330 mg/L |   |          | 11/12/21 16:16 | 1       |
| MTBE                                 | <0.000571       | U         | 0.00500 | 0.000571 mg/L |   |          | 11/12/21 16:16 | 1       |
| Naphthalene                          | <0.00200        | U         | 0.0100  | 0.00200 mg/L  |   |          | 11/12/21 16:16 | 1       |
| <b>n-Butylbenzene</b>                | <b>0.000916</b> | J         | 0.00100 | 0.000286 mg/L |   |          | 11/12/21 16:16 | 1       |
| <b>N-Propylbenzene</b>               | <b>0.00436</b>  |           | 0.00100 | 0.000179 mg/L |   |          | 11/12/21 16:16 | 1       |
| <b>o-Xylene</b>                      | <b>0.00454</b>  |           | 0.00100 | 0.000192 mg/L |   |          | 11/12/21 16:16 | 1       |
| <b>p-Cymene (p-Isopropyltoluene)</b> | <b>0.00141</b>  |           | 0.00100 | 0.000233 mg/L |   |          | 11/12/21 16:16 | 1       |
| <b>sec-Butylbenzene</b>              | <b>0.00128</b>  |           | 0.00100 | 0.000199 mg/L |   |          | 11/12/21 16:16 | 1       |
| Styrene                              | <0.000623       | U         | 0.00100 | 0.000623 mg/L |   |          | 11/12/21 16:16 | 1       |
| tert-Butylbenzene                    | <0.000195       | U         | 0.00100 | 0.000195 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,1,1,2-Tetrachloroethane            | <0.000327       | U         | 0.00100 | 0.000327 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,1,1,2,2-Tetrachloroethane          | <0.000284       | U         | 0.00100 | 0.000284 mg/L |   |          | 11/12/21 16:16 | 1       |
| Tetrachloroethene                    | <0.000500       | U         | 0.00100 | 0.000500 mg/L |   |          | 11/12/21 16:16 | 1       |
| <b>Toluene</b>                       | <b>0.0150</b>   |           | 0.00100 | 0.000500 mg/L |   |          | 11/12/21 16:16 | 1       |
| trans-1,2-Dichloroethene             | <0.000256       | U         | 0.00100 | 0.000256 mg/L |   |          | 11/12/21 16:16 | 1       |

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## Client Sample Results

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

Job ID: 880-8238-1  
SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-8238-1

Date Collected: 11/11/21 13:30

Matrix: Water

Date Received: 11/11/21 15:35

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

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.000752 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 16:16 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 16:16 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/12/21 16:16 | 1       |
| Trichloroethene           | <0.000424 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/12/21 16:16 | 1       |
| Trichlorofluoromethane    | <0.000245 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,2,4-Trimethylbenzene    | 0.0423    |           | 0.00100 | 0.000252 mg/L |   |          | 11/12/21 16:16 | 1       |
| 1,3,5-Trimethylbenzene    | 0.0118    |           | 0.00100 | 0.000279 mg/L |   |          | 11/12/21 16:16 | 1       |
| Vinyl chloride            | <0.000234 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/12/21 16:16 | 1       |
| Xylenes, Total            | 0.0375    |           | 0.0100  | 0.000330 mg/L |   |          | 11/12/21 16:16 | 1       |
| Total BTEX                | 0.0640    |           | 0.0100  | 0.00100 mg/L  |   |          | 11/12/21 16:16 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 102       |           | 74 - 124 |          | 11/12/21 16:16 | 1       |
| Dibromofluoromethane (Surr)  | 98        |           | 75 - 131 |          | 11/12/21 16:16 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 63 - 144 |          | 11/12/21 16:16 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 117 |          | 11/12/21 16:16 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result  | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
| Bromide      | 0.379   | J         | 0.500 | 0.0711 mg/L |   |          | 11/12/21 15:08 | 1       |
| Nitrate as N | 0.238   |           | 0.100 | 0.0391 mg/L |   |          | 11/12/21 15:08 | 1       |
| Chloride     | 229     |           | 0.500 | 0.200 mg/L  |   |          | 11/12/21 15:08 | 1       |
| Nitrite as N | <0.0293 | U         | 0.100 | 0.0293 mg/L |   |          | 11/12/21 15:08 | 1       |
| Fluoride     | 0.594   |           | 0.500 | 0.100 mg/L  |   |          | 11/12/21 15:08 | 1       |
| Sulfate      | 36.9    |           | 0.500 | 0.109 mg/L  |   |          | 11/12/21 15:08 | 1       |

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

| Analyte   | Result | Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | 221    | B         | 10.0  | 1.47 mg/L   |   | 11/14/21 10:20 | 11/15/21 11:37 | 50      |
| Magnesium | 48.1   |           | 0.200 | 0.0500 mg/L |   | 11/14/21 10:20 | 11/15/21 11:33 | 1       |
| Potassium | 3.36   |           | 0.500 | 0.107 mg/L  |   | 11/14/21 10:20 | 11/15/21 11:33 | 1       |
| Sodium    | 71.5   |           | 0.500 | 0.0667 mg/L |   | 11/14/21 10:20 | 11/15/21 11:33 | 1       |
| SiO2      | 53.6   |           | 1.07  | 0.0781 mg/L |   | 11/14/21 10:20 | 11/15/21 11:33 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Anion/Cation Balance            | -5.92  |           |      | %         |   |          | 11/17/21 18:04 | 1       |
| Alkalinity                      | 571    |           | 4.00 | 4.00 mg/L |   |          | 11/12/21 18:22 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 571    |           | 4.00 | 4.00 mg/L |   |          | 11/12/21 18:22 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/12/21 18:22 | 1       |
| Hydroxide Alkalinity            | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/12/21 18:22 | 1       |
| Phenolphthalein Alkalinity      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/12/21 18:22 | 1       |
| Total Dissolved Solids          | 1140   |           | 10.0 | 10.0 mg/L |   |          | 11/12/21 11:52 | 1       |
| pH                              | 7.0    | HF        |      | SU        |   |          | 11/12/21 17:02 | 1       |
| Temperature                     | 19.5   | HF        |      | Celsius   |   |          | 11/12/21 17:02 | 1       |

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Surrogate Summary

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

Job ID: 880-8238-1  
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) | (80-117) |
| 860-15441-B-7 MS                   | Matrix Spike           | 99                                             | 100      | 101      | 97       |
| 880-8238-1                         | Levey Well             | 102                                            | 98       | 101      | 104      |
| LCS 860-30459/1010                 | Lab Control Sample     | 99                                             | 100      | 99       | 100      |
| LCSD 860-30459/11                  | Lab Control Sample Dup | 100                                            | 98       | 100      | 101      |
| MB 860-30459/16                    | Method Blank           | 104                                            | 100      | 102      | 103      |
| Surrogate Legend                   |                        |                                                |          |          |          |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |                                                |          |          |          |
| DBFM = Dibromofluoromethane (Surr) |                        |                                                |          |          |          |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |                                                |          |          |          |
| TOL = Toluene-d8 (Surr)            |                        |                                                |          |          |          |

## QC Sample Results

Client: Ensolum

Job ID: 880-8238-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: MB 860-30459/16

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 30459

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromobenzene                  | <0.000300 | U            | 0.00100 | 0.000300 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromochloromethane            | <0.000209 | U            | 0.00100 | 0.000209 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromodichloromethane          | <0.000231 | U            | 0.00100 | 0.000231 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromoform                     | <0.000630 | U            | 0.00500 | 0.000630 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromomethane                  | <0.00105  | U            | 0.00500 | 0.00105 mg/L  |   |          | 11/12/21 13:06 | 1       |
| 2-Butanone                    | <0.00270  | U            | 0.0500  | 0.00270 mg/L  |   |          | 11/12/21 13:06 | 1       |
| Carbon tetrachloride          | <0.000423 | U            | 0.00500 | 0.000423 mg/L |   |          | 11/12/21 13:06 | 1       |
| Chlorobenzene                 | <0.000159 | U            | 0.00100 | 0.000159 mg/L |   |          | 11/12/21 13:06 | 1       |
| Chloroethane                  | <0.000433 | U            | 0.0100  | 0.000433 mg/L |   |          | 11/12/21 13:06 | 1       |
| Chloroform                    | <0.000259 | U            | 0.00100 | 0.000259 mg/L |   |          | 11/12/21 13:06 | 1       |
| Chloromethane                 | <0.000318 | U            | 0.0100  | 0.000318 mg/L |   |          | 11/12/21 13:06 | 1       |
| 2-Chlorotoluene               | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 13:06 | 1       |
| 4-Chlorotoluene               | <0.000183 | U            | 0.00100 | 0.000183 mg/L |   |          | 11/12/21 13:06 | 1       |
| cis-1,2-Dichloroethene        | <0.000174 | U            | 0.00100 | 0.000174 mg/L |   |          | 11/12/21 13:06 | 1       |
| cis-1,3-Dichloropropene       | <0.000690 | U            | 0.00500 | 0.000690 mg/L |   |          | 11/12/21 13:06 | 1       |
| Dibromochloromethane          | <0.000739 | U            | 0.00500 | 0.000739 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.000319 | U            | 0.00100 | 0.000319 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dibromoethane             | <0.000337 | U            | 0.00500 | 0.000337 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dichlorobenzene           | <0.000236 | U            | 0.00100 | 0.000236 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,3-Dichlorobenzene           | <0.000197 | U            | 0.00100 | 0.000197 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,4-Dichlorobenzene           | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/12/21 13:06 | 1       |
| Dichlorodifluoromethane       | <0.000316 | U            | 0.00100 | 0.000316 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1-Dichloroethane            | <0.000244 | U            | 0.00100 | 0.000244 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dichloroethane            | <0.000285 | U            | 0.00100 | 0.000285 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U            | 0.00100 | 0.000216 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U            | 0.00500 | 0.000396 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U            | 0.00500 | 0.000439 mg/L |   |          | 11/12/21 13:06 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U            | 0.00500 | 0.000360 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U            | 0.00500 | 0.000481 mg/L |   |          | 11/12/21 13:06 | 1       |
| Ethylbenzene                  | <0.000515 | U            | 0.00100 | 0.000515 mg/L |   |          | 11/12/21 13:06 | 1       |
| Hexachlorobutadiene           | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 13:06 | 1       |
| Isopropylbenzene              | <0.000161 | U            | 0.00100 | 0.000161 mg/L |   |          | 11/12/21 13:06 | 1       |
| Methylene Chloride            | <0.00191  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/12/21 13:06 | 1       |
| m,p-Xylenes                   | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/12/21 13:06 | 1       |
| MTBE                          | <0.000571 | U            | 0.00500 | 0.000571 mg/L |   |          | 11/12/21 13:06 | 1       |
| Naphthalene                   | <0.00200  | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/12/21 13:06 | 1       |
| n-Butylbenzene                | <0.000286 | U            | 0.00100 | 0.000286 mg/L |   |          | 11/12/21 13:06 | 1       |
| N-Propylbenzene               | <0.000179 | U            | 0.00100 | 0.000179 mg/L |   |          | 11/12/21 13:06 | 1       |
| o-Xylene                      | <0.000192 | U            | 0.00100 | 0.000192 mg/L |   |          | 11/12/21 13:06 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U            | 0.00100 | 0.000233 mg/L |   |          | 11/12/21 13:06 | 1       |
| sec-Butylbenzene              | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/12/21 13:06 | 1       |
| Styrene                       | <0.000623 | U            | 0.00100 | 0.000623 mg/L |   |          | 11/12/21 13:06 | 1       |
| tert-Butylbenzene             | <0.000195 | U            | 0.00100 | 0.000195 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U            | 0.00100 | 0.000327 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U            | 0.00100 | 0.000284 mg/L |   |          | 11/12/21 13:06 | 1       |
| Tetrachloroethene             | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/12/21 13:06 | 1       |
| Toluene                       | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/12/21 13:06 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8238-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: MB 860-30459/16

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 30459

| Analyte                   | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.000256 | U            | 0.00100 | 0.000256 mg/L |   |          | 11/12/21 13:06 | 1       |
| trans-1,3-Dichloropropene | <0.000752 | U            | 0.00500 | 0.000752 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 13:06 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 13:06 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U            | 0.00500 | 0.000504 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U            | 0.00100 | 0.000228 mg/L |   |          | 11/12/21 13:06 | 1       |
| Trichloroethene           | <0.000424 | U            | 0.00500 | 0.000424 mg/L |   |          | 11/12/21 13:06 | 1       |
| Trichlorofluoromethane    | <0.000245 | U            | 0.00100 | 0.000245 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U            | 0.00100 | 0.000283 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000252 | U            | 0.00100 | 0.000252 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000279 | U            | 0.00100 | 0.000279 mg/L |   |          | 11/12/21 13:06 | 1       |
| Vinyl chloride            | <0.000234 | U            | 0.00200 | 0.000234 mg/L |   |          | 11/12/21 13:06 | 1       |
| Xylenes, Total            | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/12/21 13:06 | 1       |
| Total BTEX                | <0.00100  | U            | 0.0100  | 0.00100 mg/L  |   |          | 11/12/21 13:06 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 104          |              | 74 - 124 |          | 11/12/21 13:06 | 1       |
| Dibromofluoromethane (Surr)  | 100          |              | 75 - 131 |          | 11/12/21 13:06 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 102          |              | 63 - 144 |          | 11/12/21 13:06 | 1       |
| Toluene-d8 (Surr)            | 103          |              | 80 - 117 |          | 11/12/21 13:06 | 1       |

Lab Sample ID: LCS 860-30459/1010

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 30459

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| Benzene                     | 0.0500      | 0.04953    |               | mg/L |   | 99   | 66 - 142     |
| Bromobenzene                | 0.0500      | 0.05015    |               | mg/L |   | 100  | 75 - 125     |
| Bromochloromethane          | 0.0500      | 0.05059    |               | mg/L |   | 101  | 60 - 140     |
| Bromodichloromethane        | 0.0500      | 0.05140    |               | mg/L |   | 103  | 75 - 125     |
| Bromoform                   | 0.0500      | 0.04832    |               | mg/L |   | 97   | 75 - 125     |
| Bromomethane                | 0.0500      | 0.04754    |               | mg/L |   | 95   | 60 - 140     |
| 2-Butanone                  | 0.250       | 0.2612     |               | mg/L |   | 104  | 60 - 140     |
| Carbon tetrachloride        | 0.0500      | 0.05045    |               | mg/L |   | 101  | 62 - 125     |
| Chlorobenzene               | 0.0500      | 0.05098    |               | mg/L |   | 102  | 60 - 133     |
| Chloroethane                | 0.0500      | 0.04902    |               | mg/L |   | 98   | 60 - 140     |
| Chloroform                  | 0.0500      | 0.05022    |               | mg/L |   | 100  | 70 - 130     |
| Chloromethane               | 0.0500      | 0.04799    |               | mg/L |   | 96   | 60 - 140     |
| 2-Chlorotoluene             | 0.0500      | 0.04929    |               | mg/L |   | 99   | 73 - 125     |
| 4-Chlorotoluene             | 0.0500      | 0.04975    |               | mg/L |   | 99   | 74 - 125     |
| cis-1,2-Dichloroethene      | 0.0500      | 0.04992    |               | mg/L |   | 100  | 75 - 125     |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05170    |               | mg/L |   | 103  | 74 - 125     |
| Dibromochloromethane        | 0.0500      | 0.05350    |               | mg/L |   | 107  | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05118    |               | mg/L |   | 102  | 59 - 125     |
| 1,2-Dibromoethane           | 0.0500      | 0.05143    |               | mg/L |   | 103  | 73 - 125     |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05049    |               | mg/L |   | 101  | 75 - 125     |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05062    |               | mg/L |   | 101  | 75 - 125     |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05009    |               | mg/L |   | 100  | 75 - 125     |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8238-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: LCS 860-30459/1010

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 30459

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Dichlorodifluoromethane       | 0.0500      | 0.04656    |               | mg/L |   | 93   | 70 - 130     |
| 1,1-Dichloroethane            | 0.0500      | 0.05106    |               | mg/L |   | 102  | 72 - 125     |
| 1,2-Dichloroethane            | 0.0500      | 0.05093    |               | mg/L |   | 102  | 68 - 127     |
| 1,1-Dichloroethene            | 0.0500      | 0.05306    |               | mg/L |   | 106  | 59 - 172     |
| 1,2-Dichloropropane           | 0.0500      | 0.05098    |               | mg/L |   | 102  | 74 - 125     |
| 1,3-Dichloropropane           | 0.0500      | 0.05080    |               | mg/L |   | 102  | 75 - 125     |
| 2,2-Dichloropropane           | 0.0500      | 0.04953    |               | mg/L |   | 99   | 75 - 125     |
| 1,1-Dichloropropene           | 0.0500      | 0.05047    |               | mg/L |   | 101  | 75 - 125     |
| Ethylbenzene                  | 0.0500      | 0.05120    |               | mg/L |   | 102  | 75 - 125     |
| Hexachlorobutadiene           | 0.0500      | 0.05352    |               | mg/L |   | 107  | 75 - 125     |
| Isopropylbenzene              | 0.0500      | 0.05156    |               | mg/L |   | 103  | 75 - 125     |
| Methylene Chloride            | 0.0500      | 0.04806    |               | mg/L |   | 96   | 75 - 125     |
| m,p-Xylenes                   | 0.0500      | 0.05040    |               | mg/L |   | 101  | 75 - 125     |
| MTBE                          | 0.0500      | 0.05020    |               | mg/L |   | 100  | 65 - 135     |
| Naphthalene                   | 0.0500      | 0.05213    |               | mg/L |   | 104  | 70 - 130     |
| n-Butylbenzene                | 0.0500      | 0.05162    |               | mg/L |   | 103  | 75 - 125     |
| N-Propylbenzene               | 0.0500      | 0.05018    |               | mg/L |   | 100  | 75 - 125     |
| o-Xylene                      | 0.0500      | 0.05176    |               | mg/L |   | 104  | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05149    |               | mg/L |   | 103  | 75 - 125     |
| sec-Butylbenzene              | 0.0500      | 0.05095    |               | mg/L |   | 102  | 75 - 125     |
| Styrene                       | 0.0500      | 0.05139    |               | mg/L |   | 103  | 75 - 125     |
| tert-Butylbenzene             | 0.0500      | 0.05057    |               | mg/L |   | 101  | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05225    |               | mg/L |   | 105  | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04846    |               | mg/L |   | 97   | 74 - 125     |
| Tetrachloroethene             | 0.0500      | 0.05159    |               | mg/L |   | 103  | 71 - 125     |
| Toluene                       | 0.0500      | 0.05007    |               | mg/L |   | 100  | 59 - 139     |
| trans-1,2-Dichloroethene      | 0.0500      | 0.05101    |               | mg/L |   | 102  | 75 - 125     |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05249    |               | mg/L |   | 105  | 66 - 125     |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05241    |               | mg/L |   | 105  | 75 - 137     |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.05414    |               | mg/L |   | 108  | 75 - 135     |
| 1,1,1-Trichloroethane         | 0.0500      | 0.04853    |               | mg/L |   | 97   | 75 - 125     |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05154    |               | mg/L |   | 103  | 75 - 127     |
| Trichloroethene               | 0.0500      | 0.05038    |               | mg/L |   | 101  | 62 - 137     |
| Trichlorofluoromethane        | 0.0500      | 0.04857    |               | mg/L |   | 97   | 60 - 140     |
| 1,2,3-Trichloropropane        | 0.0500      | 0.04975    |               | mg/L |   | 100  | 75 - 125     |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05089    |               | mg/L |   | 102  | 75 - 125     |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.04984    |               | mg/L |   | 100  | 60 - 140     |
| Vinyl chloride                | 0.0500      | 0.04934    |               | mg/L |   | 99   | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 99            |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 100           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 99            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 117 |

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## QC Sample Results

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

Job ID: 880-8238-1  
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-30459/11

Matrix: Water

Analysis Batch: 30459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                       | Spike  | LCSD    | LCSD      | Unit | D | %Rec | %Rec.    | RPD | RPD   |
|-------------------------------|--------|---------|-----------|------|---|------|----------|-----|-------|
|                               | Added  | Result  | Qualifier |      |   |      | Limits   |     | Limit |
| Benzene                       | 0.0500 | 0.04808 |           | mg/L |   | 96   | 66 - 142 | 3   | 25    |
| Bromobenzene                  | 0.0500 | 0.05279 |           | mg/L |   | 106  | 75 - 125 | 5   | 25    |
| Bromochloromethane            | 0.0500 | 0.04970 |           | mg/L |   | 99   | 60 - 140 | 2   | 25    |
| Bromodichloromethane          | 0.0500 | 0.05043 |           | mg/L |   | 101  | 75 - 125 | 2   | 25    |
| Bromoform                     | 0.0500 | 0.04572 |           | mg/L |   | 91   | 75 - 125 | 6   | 25    |
| Bromomethane                  | 0.0500 | 0.04555 |           | mg/L |   | 91   | 60 - 140 | 4   | 25    |
| 2-Butanone                    | 0.250  | 0.2408  |           | mg/L |   | 96   | 60 - 140 | 8   | 25    |
| Carbon tetrachloride          | 0.0500 | 0.05042 |           | mg/L |   | 101  | 62 - 125 | 0   | 25    |
| Chlorobenzene                 | 0.0500 | 0.05016 |           | mg/L |   | 100  | 60 - 133 | 2   | 25    |
| Chloroethane                  | 0.0500 | 0.04714 |           | mg/L |   | 94   | 60 - 140 | 4   | 25    |
| Chloroform                    | 0.0500 | 0.04899 |           | mg/L |   | 98   | 70 - 130 | 2   | 25    |
| Chloromethane                 | 0.0500 | 0.04720 |           | mg/L |   | 94   | 60 - 140 | 2   | 25    |
| 2-Chlorotoluene               | 0.0500 | 0.05177 |           | mg/L |   | 104  | 73 - 125 | 5   | 25    |
| 4-Chlorotoluene               | 0.0500 | 0.05192 |           | mg/L |   | 104  | 74 - 125 | 4   | 25    |
| cis-1,2-Dichloroethene        | 0.0500 | 0.04959 |           | mg/L |   | 99   | 75 - 125 | 1   | 25    |
| cis-1,3-Dichloropropene       | 0.0500 | 0.05230 |           | mg/L |   | 105  | 74 - 125 | 1   | 25    |
| Dibromochloromethane          | 0.0500 | 0.05201 |           | mg/L |   | 104  | 73 - 125 | 3   | 25    |
| 1,2-Dibromo-3-Chloropropane   | 0.0500 | 0.04432 |           | mg/L |   | 89   | 59 - 125 | 14  | 25    |
| 1,2-Dibromoethane             | 0.0500 | 0.05006 |           | mg/L |   | 100  | 73 - 125 | 3   | 25    |
| 1,2-Dichlorobenzene           | 0.0500 | 0.05136 |           | mg/L |   | 103  | 75 - 125 | 2   | 25    |
| 1,3-Dichlorobenzene           | 0.0500 | 0.05118 |           | mg/L |   | 102  | 75 - 125 | 1   | 25    |
| 1,4-Dichlorobenzene           | 0.0500 | 0.05075 |           | mg/L |   | 102  | 75 - 125 | 1   | 25    |
| Dichlorodifluoromethane       | 0.0500 | 0.04343 |           | mg/L |   | 87   | 70 - 130 | 7   | 25    |
| 1,1-Dichloroethane            | 0.0500 | 0.04940 |           | mg/L |   | 99   | 72 - 125 | 3   | 25    |
| 1,2-Dichloroethane            | 0.0500 | 0.04993 |           | mg/L |   | 100  | 68 - 127 | 2   | 25    |
| 1,1-Dichloroethene            | 0.0500 | 0.05063 |           | mg/L |   | 101  | 59 - 172 | 5   | 25    |
| 1,2-Dichloropropane           | 0.0500 | 0.04908 |           | mg/L |   | 98   | 74 - 125 | 4   | 25    |
| 1,3-Dichloropropane           | 0.0500 | 0.05009 |           | mg/L |   | 100  | 75 - 125 | 1   | 25    |
| 2,2-Dichloropropane           | 0.0500 | 0.04758 |           | mg/L |   | 95   | 75 - 125 | 4   | 25    |
| 1,1-Dichloropropene           | 0.0500 | 0.05073 |           | mg/L |   | 101  | 75 - 125 | 1   | 25    |
| Ethylbenzene                  | 0.0500 | 0.05015 |           | mg/L |   | 100  | 75 - 125 | 2   | 25    |
| Hexachlorobutadiene           | 0.0500 | 0.05122 |           | mg/L |   | 102  | 75 - 125 | 4   | 25    |
| Isopropylbenzene              | 0.0500 | 0.05085 |           | mg/L |   | 102  | 75 - 125 | 1   | 25    |
| Methylene Chloride            | 0.0500 | 0.04757 |           | mg/L |   | 95   | 75 - 125 | 1   | 25    |
| m,p-Xylenes                   | 0.0500 | 0.04989 |           | mg/L |   | 100  | 75 - 125 | 1   | 25    |
| MTBE                          | 0.0500 | 0.04984 |           | mg/L |   | 100  | 65 - 135 | 1   | 25    |
| Naphthalene                   | 0.0500 | 0.04949 |           | mg/L |   | 99   | 70 - 130 | 5   | 25    |
| n-Butylbenzene                | 0.0500 | 0.05153 |           | mg/L |   | 103  | 75 - 125 | 0   | 25    |
| N-Propylbenzene               | 0.0500 | 0.05181 |           | mg/L |   | 104  | 75 - 125 | 3   | 25    |
| o-Xylene                      | 0.0500 | 0.05124 |           | mg/L |   | 102  | 75 - 125 | 1   | 25    |
| p-Cymene (p-Isopropyltoluene) | 0.0500 | 0.05235 |           | mg/L |   | 105  | 75 - 125 | 2   | 25    |
| sec-Butylbenzene              | 0.0500 | 0.05177 |           | mg/L |   | 104  | 75 - 125 | 2   | 25    |
| Styrene                       | 0.0500 | 0.05157 |           | mg/L |   | 103  | 75 - 125 | 0   | 25    |
| tert-Butylbenzene             | 0.0500 | 0.05214 |           | mg/L |   | 104  | 75 - 125 | 3   | 25    |
| 1,1,1,2-Tetrachloroethane     | 0.0500 | 0.05141 |           | mg/L |   | 103  | 72 - 125 | 2   | 25    |
| 1,1,2,2-Tetrachloroethane     | 0.0500 | 0.04893 |           | mg/L |   | 98   | 74 - 125 | 1   | 25    |
| Tetrachloroethene             | 0.0500 | 0.05079 |           | mg/L |   | 102  | 71 - 125 | 2   | 25    |
| Toluene                       | 0.0500 | 0.04877 |           | mg/L |   | 98   | 59 - 139 | 3   | 25    |

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## QC Sample Results

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

Job ID: 880-8238-1  
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-30459/11

Matrix: Water

Analysis Batch: 30459

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      | 0.04934     |                | mg/L |   | 99   | 75 - 125     | 3   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05290     |                | mg/L |   | 106  | 66 - 125     | 1   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.04942     |                | mg/L |   | 99   | 75 - 137     | 6   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05033     |                | mg/L |   | 101  | 75 - 135     | 7   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.04926     |                | mg/L |   | 99   | 75 - 125     | 1   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.04991     |                | mg/L |   | 100  | 75 - 127     | 3   | 25        |
| Trichloroethene           | 0.0500      | 0.04917     |                | mg/L |   | 98   | 62 - 137     | 2   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.04786     |                | mg/L |   | 96   | 60 - 140     | 1   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05048     |                | mg/L |   | 101  | 75 - 125     | 1   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05263     |                | mg/L |   | 105  | 75 - 125     | 3   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05143     |                | mg/L |   | 103  | 60 - 140     | 3   | 25        |
| Vinyl chloride            | 0.0500      | 0.04725     |                | mg/L |   | 95   | 60 - 140     | 4   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100            |                | 74 - 124 |
| Dibromofluoromethane (Surr)  | 98             |                | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 100            |                | 63 - 144 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 117 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-30532/3

Matrix: Water

Analysis Batch: 30532

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 |   |          | 11/12/21 09:13 | 1       |
| Chloride | <0.200    | U            | 0.500 | 0.200 mg/L  |   |          | 11/12/21 09:13 | 1       |
| Fluoride | <0.100    | U            | 0.500 | 0.100 mg/L  |   |          | 11/12/21 09:13 | 1       |
| Sulfate  | <0.109    | U            | 0.500 | 0.109 mg/L  |   |          | 11/12/21 09:13 | 1       |

Lab Sample ID: LCS 860-30532/4

Matrix: Water

Analysis Batch: 30532

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        | 9.985      |               | mg/L |   | 100  | 90 - 110     |
| Chloride | 10.0        | 9.899      |               | mg/L |   | 99   | 90 - 110     |
| Fluoride | 10.0        | 10.03      |               | mg/L |   | 100  | 90 - 110     |
| Sulfate  | 10.0        | 9.837      |               | mg/L |   | 98   | 90 - 110     |

Lab Sample ID: LCSD 860-30532/5

Matrix: Water

Analysis Batch: 30532

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        | 9.978       |                | mg/L |   | 100  | 90 - 110     | 0   | 20        |
| Chloride | 10.0        | 10.07       |                | mg/L |   | 101  | 90 - 110     | 2   | 20        |
| Fluoride | 10.0        | 10.04       |                | mg/L |   | 100  | 90 - 110     | 0   | 20        |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8238-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-30532/5

Matrix: Water

Analysis Batch: 30532

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        | 9.875       |                | mg/L |   | 99   | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 860-30533/3

Matrix: Water

Analysis Batch: 30533

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 |   |          | 11/12/21 09:13 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 11/12/21 09:13 | 1       |

Lab Sample ID: LCS 860-30533/4

Matrix: Water

Analysis Batch: 30533

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        | 9.850      |               | mg/L |   | 98   | 80 - 120     |
| Nitrite as N | 5.00        | 5.117      |               | mg/L |   | 102  | 80 - 120     |

Lab Sample ID: LCSD 860-30533/5

Matrix: Water

Analysis Batch: 30533

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        | 9.829       |                | mg/L |   | 98   | 80 - 120     | 0   | 20        |
| Nitrite as N | 5.00        | 5.116       |                | mg/L |   | 102  | 80 - 120     | 0   | 20        |

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

Lab Sample ID: MB 860-30582/1-A

Matrix: Water

Analysis Batch: 30711

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 30582

| Analyte   | MB Result | MB Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | 0.03881   | J            | 0.200 | 0.0293 mg/L |   | 11/14/21 10:20 | 11/15/21 10:53 | 1       |
| Magnesium | <0.0500   | U            | 0.200 | 0.0500 mg/L |   | 11/14/21 10:20 | 11/15/21 10:53 | 1       |
| Potassium | <0.107    | U            | 0.500 | 0.107 mg/L  |   | 11/14/21 10:20 | 11/15/21 10:53 | 1       |
| Sodium    | <0.0667   | U            | 0.500 | 0.0667 mg/L |   | 11/14/21 10:20 | 11/15/21 10:53 | 1       |
| SiO2      | <0.0781   | U            | 1.07  | 0.0781 mg/L |   | 11/14/21 10:20 | 11/15/21 10:53 | 1       |

Lab Sample ID: LCS 860-30582/2-A

Matrix: Water

Analysis Batch: 30711

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 30582

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Calcium   | 25.0        | 23.80      |               | mg/L |   | 95   | 85 - 115     |
| Magnesium | 25.0        | 23.37      |               | mg/L |   | 93   | 85 - 115     |
| Potassium | 10.0        | 9.218      |               | mg/L |   | 92   | 85 - 115     |
| Sodium    | 25.0        | 23.30      |               | mg/L |   | 93   | 85 - 115     |
| SiO2      | 21.4        | 19.39      |               | mg/L |   | 91   | 85 - 115     |

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## QC Sample Results

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

Job ID: 880-8238-1  
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-30582/3-A  
Matrix: Water  
Analysis Batch: 30711

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total Recoverable  
Prep Batch: 30582

| Analyte   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Calcium   | 25.0        | 23.28       |                | mg/L |   | 93   | 85 - 115     | 2   | 20        |
| Magnesium | 25.0        | 22.79       |                | mg/L |   | 91   | 85 - 115     | 2   | 20        |
| Potassium | 10.0        | 9.070       |                | mg/L |   | 91   | 85 - 115     | 2   | 20        |
| Sodium    | 25.0        | 22.88       |                | mg/L |   | 92   | 85 - 115     | 2   | 20        |
| SiO2      | 21.4        | 19.06       |                | mg/L |   | 89   | 85 - 115     | 2   | 20        |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-30650/4  
Matrix: Water  
Analysis Batch: 30650

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 |   |          | 11/12/21 13:35 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00     | U            | 4.00 | mg/L |   |          | 11/12/21 13:35 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00     | U            | 4.00 | mg/L |   |          | 11/12/21 13:35 | 1       |
| Hydroxide Alkalinity            | <4.00     | U            | 4.00 | mg/L |   |          | 11/12/21 13:35 | 1       |
| Phenolphthalein Alkalinity      | <4.00     | U            | 4.00 | mg/L |   |          | 11/12/21 13:35 | 1       |

Lab Sample ID: LCS 860-30650/5  
Matrix: Water  
Analysis Batch: 30650

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

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|------|---|------|--------------|
| Alkalinity | 250         | 240.5      |               | mg/L |   | 96   | 85 - 115     |

Lab Sample ID: LCSD 860-30650/6  
Matrix: Water  
Analysis Batch: 30650

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         | 244.1       |                | mg/L |   | 98   | 85 - 115     | 1   | 20        |

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

Lab Sample ID: MB 860-30474/1  
Matrix: Water  
Analysis Batch: 30474

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 | mg/L |   |          | 11/12/21 11:52 | 1       |

Lab Sample ID: LCS 860-30474/2  
Matrix: Water  
Analysis Batch: 30474

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        | 1172       |               | mg/L |   | 117  | 80 - 120     |

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QC Sample Results

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

Job ID: 880-8238-1  
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-30474/3  
Matrix: Water  
Analysis Batch: 30474

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           | 1160           |                   | mg/L |   | 116  | 80 - 120        | 1   | 10           |

Lab Sample ID: 880-8238-1 DU  
Matrix: Water  
Analysis Batch: 30474

Client Sample ID: Levey Well  
Prep Type: Total/NA

| Analyte                | Sample<br>Result | Sample<br>Qualifier |  | DU<br>Result | DU<br>Qualifier | Unit | D |  |  | RPD | RPD<br>Limit |
|------------------------|------------------|---------------------|--|--------------|-----------------|------|---|--|--|-----|--------------|
| Total Dissolved Solids | 1140             |                     |  | 1203         |                 | mg/L |   |  |  | 6   | 10           |

Method: SM 4500 H+ B - pH

Lab Sample ID: 880-8238-1 DU  
Matrix: Water  
Analysis Batch: 30537

Client Sample ID: Levey Well  
Prep Type: Total/NA

| Analyte     | Sample<br>Result | Sample<br>Qualifier |  | DU<br>Result | DU<br>Qualifier | Unit    | D |  |  | RPD | RPD<br>Limit |
|-------------|------------------|---------------------|--|--------------|-----------------|---------|---|--|--|-----|--------------|
| pH          | 7.0              | HF                  |  | 6.9          |                 | SU      |   |  |  | 1   | 20           |
| Temperature | 19.5             | HF                  |  | 19.0         |                 | Celsius |   |  |  | 3   | 20           |

## QC Association Summary

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

Job ID: 880-8238-1  
SDG: Hobbs NM

## GC/MS VOA

## Analysis Batch: 30459

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-8238-1         | Levey Well             | Total/NA  | Water  | 8260C  |            |
| MB 860-30459/16    | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-30459/1010 | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-30459/11  | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## HPLC/IC

## Analysis Batch: 30532

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8238-1       | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-30532/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-30532/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-30532/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 30533

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8238-1       | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-30533/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-30533/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-30533/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Metals

## Prep Batch: 30582

| Lab Sample ID      | Client Sample ID       | Prep Type         | Matrix | Method | Prep Batch |
|--------------------|------------------------|-------------------|--------|--------|------------|
| 880-8238-1         | Levey Well             | Total Recoverable | Water  | 200.7  |            |
| MB 860-30582/1-A   | Method Blank           | Total Recoverable | Water  | 200.7  |            |
| LCS 860-30582/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |
| LCSD 860-30582/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7  |            |

## Analysis Batch: 30711

| Lab Sample ID      | Client Sample ID       | Prep Type         | Matrix | Method        | Prep Batch |
|--------------------|------------------------|-------------------|--------|---------------|------------|
| 880-8238-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 30582      |
| 880-8238-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 30582      |
| MB 860-30582/1-A   | Method Blank           | Total Recoverable | Water  | 200.7 Rev 4.4 | 30582      |
| LCS 860-30582/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 30582      |
| LCSD 860-30582/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7 Rev 4.4 | 30582      |

## General Chemistry

## Analysis Batch: 30474

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 880-8238-1       | Levey Well             | Total/NA  | Water  | SM 2540C |            |
| MB 860-30474/1   | Method Blank           | Total/NA  | Water  | SM 2540C |            |
| LCS 860-30474/2  | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |
| LCSD 860-30474/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2540C |            |
| 880-8238-1 DU    | Levey Well             | Total/NA  | Water  | SM 2540C |            |

## Analysis Batch: 30537

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-8238-1    | Levey Well       | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-8238-1 DU | Levey Well       | Total/NA  | Water  | SM 4500 H+ B |            |

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QC Association Summary

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

Job ID: 880-8238-1  
SDG: Hobbs NM

General Chemistry

Analysis Batch: 30650

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 880-8238-1       | Levey Well             | Total/NA  | Water  | SM 2320B |            |
| MB 860-30650/4   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-30650/5  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-30650/6 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 31108

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-8238-1    | Levey Well       | Total/NA  | Water  | SM 1030E |            |



Lab Chronicle

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

Job ID: 880-8238-1  
SDG: Hobbs NM

Client Sample ID: Levey Well      Lab Sample ID: 880-8238-1  
Date Collected: 11/11/21 13:30      Matrix: Water  
Date Received: 11/11/21 15:35

| Prep Type         | Batch Type | Batch Method  | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA          | Analysis   | 8260C         |     | 1               | 30459        | 11/12/21 16:16       | EM      | XEN STF |
| Total/NA          | Analysis   | 300.0         |     | 1               | 30532        | 11/12/21 15:08       | WP      | XEN STF |
| Total/NA          | Analysis   | 300.0         |     | 1               | 30533        | 11/12/21 15:08       | WP      | XEN STF |
| Total Recoverable | Prep       | 200.7         |     |                 | 30582        | 11/14/21 10:20       | PB      | XEN STF |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 1               | 30711        | 11/15/21 11:33       | AV      | XEN STF |
| Total Recoverable | Prep       | 200.7         |     |                 | 30582        | 11/14/21 10:20       | PB      | XEN STF |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 50              | 30711        | 11/15/21 11:37       | AV      | XEN STF |
| Total/NA          | Analysis   | SM 1030E      |     | 1               | 31108        | 11/17/21 18:04       | DP      | XEN STF |
| Total/NA          | Analysis   | SM 2320B      |     | 1               | 30650        | 11/12/21 18:22       | JP      | XEN STF |
| Total/NA          | Analysis   | SM 2540C      |     | 1               | 30474        | 11/12/21 11:52       | ADL     | XEN STF |
| Total/NA          | Analysis   | SM 4500 H+ B  |     | 1               | 30537        | 11/12/21 17:02       | JP      | XEN STF |

Laboratory References:  
XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

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

Job ID: 880-8238-1  
SDG: Hobbs NM

Laboratory: Eurofins Xenco, Stafford

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-21-44      | 06-30-22        |

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                         |
|-----------------|-------------|--------|---------------------------------|
| 200.7 Rev 4.4   | 200.7       | Water  | SiO2                            |
| 8260C           |             | Water  | Total BTEX                      |
| 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 Hobb NM - 03B1417001

Job ID: 880-8238-1  
SDG: Hobbs NM

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

Protocol References:

- EPA = US Environmental Protection Agency
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- 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:

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

Sample Summary

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

Job ID: 880-8238-1  
SDG: Hobbs NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-8238-1    | Levey Well       | Water  | 11/11/21 13:30 | 11/11/21 15:35 |

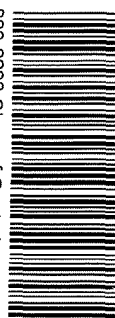
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Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334  
Midland, TX (432-704-5440) EL Paso, TX (915) 565-3443 Lubbock, TX (806) 794-1296  
Phoenix, AZ (480-335-0900) Atlanta, GA (770-449-8800) Tampa, FL (813) 233-3927  
Hobbs, NM (575-392-1550)

## Chain of Custody

WC



880-8238 Chain of Custody

|                  |                   |                         |                       |
|------------------|-------------------|-------------------------|-----------------------|
| Project Manager: | Beaux Jennings    | Bill to: (if different) |                       |
| Company Name:    | Ensolum LLC       | Company Name:           |                       |
| Address:         | 705 W Wadley #210 | Address:                |                       |
| City, State ZIP: | Midland TX        | City, State ZIP:        |                       |
| Phone:           | 432-230-3344      | Email:                  | bjennings@ensolum.com |

|                                                                                                                                                                             |                                    |                                  |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------|-------------------------------|
| <b>Work Order Comments</b>                                                                                                                                                  |                                    |                                  |                               |
| 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 I <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]

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# CUSTODY SEAL



ENVIRONMENTAL SAMPLING SUPPLY  
www.essvial.com 800-233-8425

Date: 11-11-21

Signature: *[Handwritten Signature]*

PERMIT

**Eurofins Xenco, Midland**  
1211 W Florida Ave  
Midland TX 79701  
Phone: 432-704-5440

## Chain of Custody Record



## Environment Testing America

[illegible]



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-8238-1

SDG Number: Hobbs NM

Login Number: 8238

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Xenco, 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: 880-8238-1

SDG Number: Hobbs NM

Login Number: 8238

List Number: 2

Creator: Palmar, Pedro

List Source: Eurofins Xenco, Stafford

List Creation: 11/12/21 01:30 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 America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-8239-1

Client Project/Site: South Hobbs - 03B1417002

Sampling Event: South Hobbs

**For:**

Ensolum  
705 W. Wadley  
Suite 210  
Midland, Texas 79701

Attn: Beaux Jennings

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
11/17/2021 8:15:29 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

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

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Laboratory Job ID: 880-8239-1

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Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8239-1

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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| 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: 880-8239-1

Job ID: 880-8239-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative  
880-8239-1

Receipt

The samples were received on 11/11/2021 3:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-30532 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

General Chemistry

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

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## Client Sample Results

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-8239-1

Date Collected: 11/11/21 12:05

Matrix: Water

Date Received: 11/11/21 15:35

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

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | 0.000458  | J         | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 15:38 | 1       |
| Bromobenzene                  | <0.000300 | U         | 0.00100 | 0.000300 mg/L |   |          | 11/12/21 15:38 | 1       |
| Bromochloromethane            | <0.000209 | U         | 0.00100 | 0.000209 mg/L |   |          | 11/12/21 15:38 | 1       |
| Bromodichloromethane          | <0.000231 | U         | 0.00100 | 0.000231 mg/L |   |          | 11/12/21 15:38 | 1       |
| Bromoform                     | <0.000630 | U         | 0.00500 | 0.000630 mg/L |   |          | 11/12/21 15:38 | 1       |
| Bromomethane                  | <0.00105  | U         | 0.00500 | 0.00105 mg/L  |   |          | 11/12/21 15:38 | 1       |
| 2-Butanone                    | <0.00270  | U         | 0.0500  | 0.00270 mg/L  |   |          | 11/12/21 15:38 | 1       |
| Carbon tetrachloride          | <0.000423 | U         | 0.00500 | 0.000423 mg/L |   |          | 11/12/21 15:38 | 1       |
| Chlorobenzene                 | <0.000159 | U         | 0.00100 | 0.000159 mg/L |   |          | 11/12/21 15:38 | 1       |
| Chloroethane                  | <0.000433 | U         | 0.0100  | 0.000433 mg/L |   |          | 11/12/21 15:38 | 1       |
| Chloroform                    | <0.000259 | U         | 0.00100 | 0.000259 mg/L |   |          | 11/12/21 15:38 | 1       |
| Chloromethane                 | <0.000318 | U         | 0.0100  | 0.000318 mg/L |   |          | 11/12/21 15:38 | 1       |
| 2-Chlorotoluene               | <0.000214 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 15:38 | 1       |
| 4-Chlorotoluene               | <0.000183 | U         | 0.00100 | 0.000183 mg/L |   |          | 11/12/21 15:38 | 1       |
| cis-1,2-Dichloroethene        | <0.000174 | U         | 0.00100 | 0.000174 mg/L |   |          | 11/12/21 15:38 | 1       |
| cis-1,3-Dichloropropene       | <0.000690 | U         | 0.00500 | 0.000690 mg/L |   |          | 11/12/21 15:38 | 1       |
| Dibromochloromethane          | <0.000739 | U         | 0.00500 | 0.000739 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.000319 | U         | 0.00100 | 0.000319 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,2-Dibromoethane             | <0.000337 | U         | 0.00500 | 0.000337 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,2-Dichlorobenzene           | <0.000236 | U         | 0.00100 | 0.000236 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,3-Dichlorobenzene           | <0.000197 | U         | 0.00100 | 0.000197 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,4-Dichlorobenzene           | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/12/21 15:38 | 1       |
| Dichlorodifluoromethane       | <0.000316 | U         | 0.00100 | 0.000316 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,1-Dichloroethane            | <0.000244 | U         | 0.00100 | 0.000244 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,2-Dichloroethane            | <0.000285 | U         | 0.00100 | 0.000285 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U         | 0.00100 | 0.000216 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U         | 0.00500 | 0.000396 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U         | 0.00500 | 0.000439 mg/L |   |          | 11/12/21 15:38 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U         | 0.00500 | 0.000360 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U         | 0.00500 | 0.000481 mg/L |   |          | 11/12/21 15:38 | 1       |
| Ethylbenzene                  | <0.000515 | U         | 0.00100 | 0.000515 mg/L |   |          | 11/12/21 15:38 | 1       |
| Hexachlorobutadiene           | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 15:38 | 1       |
| Isopropylbenzene              | <0.000161 | U         | 0.00100 | 0.000161 mg/L |   |          | 11/12/21 15:38 | 1       |
| Methylene Chloride            | <0.00191  | U         | 0.00500 | 0.00191 mg/L  |   |          | 11/12/21 15:38 | 1       |
| m,p-Xylenes                   | <0.000330 | U         | 0.0100  | 0.000330 mg/L |   |          | 11/12/21 15:38 | 1       |
| MTBE                          | <0.000571 | U         | 0.00500 | 0.000571 mg/L |   |          | 11/12/21 15:38 | 1       |
| Naphthalene                   | <0.00200  | U         | 0.0100  | 0.00200 mg/L  |   |          | 11/12/21 15:38 | 1       |
| n-Butylbenzene                | <0.000286 | U         | 0.00100 | 0.000286 mg/L |   |          | 11/12/21 15:38 | 1       |
| N-Propylbenzene               | <0.000179 | U         | 0.00100 | 0.000179 mg/L |   |          | 11/12/21 15:38 | 1       |
| o-Xylene                      | <0.000192 | U         | 0.00100 | 0.000192 mg/L |   |          | 11/12/21 15:38 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U         | 0.00100 | 0.000233 mg/L |   |          | 11/12/21 15:38 | 1       |
| sec-Butylbenzene              | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/12/21 15:38 | 1       |
| Styrene                       | <0.000623 | U         | 0.00100 | 0.000623 mg/L |   |          | 11/12/21 15:38 | 1       |
| tert-Butylbenzene             | <0.000195 | U         | 0.00100 | 0.000195 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U         | 0.00100 | 0.000327 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U         | 0.00100 | 0.000284 mg/L |   |          | 11/12/21 15:38 | 1       |
| Tetrachloroethene             | <0.000500 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/12/21 15:38 | 1       |
| Toluene                       | <0.000500 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/12/21 15:38 | 1       |
| trans-1,2-Dichloroethene      | <0.000256 | U         | 0.00100 | 0.000256 mg/L |   |          | 11/12/21 15:38 | 1       |

Eurofins Xenco, Midland



## Client Sample Results

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-8239-1

Date Collected: 11/11/21 12:05

Matrix: Water

Date Received: 11/11/21 15:35

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

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.000752 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 15:38 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 15:38 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/12/21 15:38 | 1       |
| Trichloroethene           | <0.000424 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/12/21 15:38 | 1       |
| Trichlorofluoromethane    | <0.000245 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000252 | U         | 0.00100 | 0.000252 mg/L |   |          | 11/12/21 15:38 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000279 | U         | 0.00100 | 0.000279 mg/L |   |          | 11/12/21 15:38 | 1       |
| Vinyl chloride            | <0.000234 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/12/21 15:38 | 1       |
| Xylenes, Total            | <0.000330 | U         | 0.0100  | 0.000330 mg/L |   |          | 11/12/21 15:38 | 1       |
| Total BTEX                | <0.00100  | U         | 0.0100  | 0.00100 mg/L  |   |          | 11/12/21 15:38 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 106       |           | 74 - 124 |          | 11/12/21 15:38 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 75 - 131 |          | 11/12/21 15:38 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 63 - 144 |          | 11/12/21 15:38 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 117 |          | 11/12/21 15:38 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | <0.923 | U         | 4.67 | 0.923 mg/L |   |          | 11/11/21 14:16 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.923    | U         | 4.67     | 0.923 mg/L |   | 11/15/21 09:46 | 11/15/21 15:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.923    | U         | 4.67     | 0.923 mg/L |   | 11/15/21 09:46 | 11/15/21 15:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.891    | U         | 4.67     | 0.891 mg/L |   | 11/15/21 09:46 | 11/15/21 15:36 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 86        |           | 70 - 135 |            |   | 11/15/21 09:46 | 11/15/21 15:36 | 1       |
| o-Terphenyl                          | 95        |           | 70 - 135 |            |   | 11/15/21 09:46 | 11/15/21 15:36 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result  | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 311     |           | 0.500 | 0.200 mg/L  |   |          | 11/12/21 15:29 | 1       |
| Nitrate as N | 0.258   |           | 0.100 | 0.0391 mg/L |   |          | 11/12/21 15:29 | 1       |
| Fluoride     | 0.309   | J         | 0.500 | 0.100 mg/L  |   |          | 11/12/21 15:29 | 1       |
| Nitrite as N | <0.0293 | U         | 0.100 | 0.0293 mg/L |   |          | 11/12/21 15:29 | 1       |
| Sulfate      | 89.8    |           | 0.500 | 0.109 mg/L  |   |          | 11/12/21 15:29 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Alkalinity                      | 536    |           | 4.00 | 4.00 mg/L |   |          | 11/12/21 18:33 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 536    |           | 4.00 | 4.00 mg/L |   |          | 11/12/21 18:33 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/12/21 18:33 | 1       |
| Carbon dioxide                  | 1030   |           |      | mg/L      |   |          | 11/11/21 16:48 | 1       |
| Carbon Dioxide, Free            | 563    |           |      | mg/L      |   |          | 11/11/21 16:48 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8239-1

## Client Sample ID: MW-1

Lab Sample ID: 880-8239-1

Date Collected: 11/11/21 12:05

Matrix: Water

Date Received: 11/11/21 15:35

## General Chemistry (Continued)

| Analyte     | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-------------|--------|-----------|------|------------|---|----------|----------------|---------|
| pH          | 7.1    | HF        |      | SU         |   |          | 11/12/21 17:02 | 1       |
| Temperature | 19.3   | HF        |      | Celsius    |   |          | 11/12/21 17:02 | 1       |
| Sulfide     | <0.495 | U         | 5.00 | 0.495 mg/L |   |          | 11/15/21 11:59 | 1       |

## Client Sample ID: MW-2

Lab Sample ID: 880-8239-2

Date Collected: 11/11/21 12:55

Matrix: Water

Date Received: 11/11/21 15:35

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

| Analyte                     | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                     | 0.0221    |           | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 15:57 | 1       |
| Bromobenzene                | <0.000300 | U         | 0.00100 | 0.000300 mg/L |   |          | 11/12/21 15:57 | 1       |
| Bromochloromethane          | <0.000209 | U         | 0.00100 | 0.000209 mg/L |   |          | 11/12/21 15:57 | 1       |
| Bromodichloromethane        | <0.000231 | U         | 0.00100 | 0.000231 mg/L |   |          | 11/12/21 15:57 | 1       |
| Bromoform                   | <0.000630 | U         | 0.00500 | 0.000630 mg/L |   |          | 11/12/21 15:57 | 1       |
| Bromomethane                | <0.00105  | U         | 0.00500 | 0.00105 mg/L  |   |          | 11/12/21 15:57 | 1       |
| 2-Butanone                  | <0.00270  | U         | 0.0500  | 0.00270 mg/L  |   |          | 11/12/21 15:57 | 1       |
| Carbon tetrachloride        | <0.000423 | U         | 0.00500 | 0.000423 mg/L |   |          | 11/12/21 15:57 | 1       |
| Chlorobenzene               | <0.000159 | U         | 0.00100 | 0.000159 mg/L |   |          | 11/12/21 15:57 | 1       |
| Chloroethane                | <0.000433 | U         | 0.0100  | 0.000433 mg/L |   |          | 11/12/21 15:57 | 1       |
| Chloroform                  | <0.000259 | U         | 0.00100 | 0.000259 mg/L |   |          | 11/12/21 15:57 | 1       |
| Chloromethane               | <0.000318 | U         | 0.0100  | 0.000318 mg/L |   |          | 11/12/21 15:57 | 1       |
| 2-Chlorotoluene             | <0.000214 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 15:57 | 1       |
| 4-Chlorotoluene             | <0.000183 | U         | 0.00100 | 0.000183 mg/L |   |          | 11/12/21 15:57 | 1       |
| cis-1,2-Dichloroethene      | <0.000174 | U         | 0.00100 | 0.000174 mg/L |   |          | 11/12/21 15:57 | 1       |
| cis-1,3-Dichloropropene     | <0.000690 | U         | 0.00500 | 0.000690 mg/L |   |          | 11/12/21 15:57 | 1       |
| Dibromochloromethane        | <0.000739 | U         | 0.00500 | 0.000739 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.000319 | U         | 0.00100 | 0.000319 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,2-Dibromoethane           | <0.000337 | U         | 0.00500 | 0.000337 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,2-Dichlorobenzene         | <0.000236 | U         | 0.00100 | 0.000236 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,3-Dichlorobenzene         | <0.000197 | U         | 0.00100 | 0.000197 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,4-Dichlorobenzene         | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/12/21 15:57 | 1       |
| Dichlorodifluoromethane     | <0.000316 | U         | 0.00100 | 0.000316 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,1-Dichloroethane          | <0.000244 | U         | 0.00100 | 0.000244 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,2-Dichloroethane          | <0.000285 | U         | 0.00100 | 0.000285 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,1-Dichloroethene          | <0.000216 | U         | 0.00100 | 0.000216 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,2-Dichloropropane         | <0.000396 | U         | 0.00500 | 0.000396 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,3-Dichloropropane         | <0.000439 | U         | 0.00500 | 0.000439 mg/L |   |          | 11/12/21 15:57 | 1       |
| 2,2-Dichloropropane         | <0.000360 | U         | 0.00500 | 0.000360 mg/L |   |          | 11/12/21 15:57 | 1       |
| 1,1-Dichloropropene         | <0.000481 | U         | 0.00500 | 0.000481 mg/L |   |          | 11/12/21 15:57 | 1       |
| Ethylbenzene                | 0.0192    |           | 0.00100 | 0.000515 mg/L |   |          | 11/12/21 15:57 | 1       |
| Hexachlorobutadiene         | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 15:57 | 1       |
| Isopropylbenzene            | 0.00971   |           | 0.00100 | 0.000161 mg/L |   |          | 11/12/21 15:57 | 1       |
| Methylene Chloride          | <0.00191  | U         | 0.00500 | 0.00191 mg/L  |   |          | 11/12/21 15:57 | 1       |
| m,p-Xylenes                 | 0.125     |           | 0.0100  | 0.000330 mg/L |   |          | 11/12/21 15:57 | 1       |
| MTBE                        | <0.000571 | U         | 0.00500 | 0.000571 mg/L |   |          | 11/12/21 15:57 | 1       |
| Naphthalene                 | <0.00200  | U         | 0.0100  | 0.00200 mg/L  |   |          | 11/12/21 15:57 | 1       |
| n-Butylbenzene              | 0.000898  | J         | 0.00100 | 0.000286 mg/L |   |          | 11/12/21 15:57 | 1       |
| N-Propylbenzene             | 0.00268   |           | 0.00100 | 0.000179 mg/L |   |          | 11/12/21 15:57 | 1       |
| o-Xylene                    | 0.00754   |           | 0.00100 | 0.000192 mg/L |   |          | 11/12/21 15:57 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8239-1

Client Sample ID: MW-2

Lab Sample ID: 880-8239-2

Date Collected: 11/11/21 12:55

Matrix: Water

Date Received: 11/11/21 15:35

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

| Analyte                       | Result    | Qualifier | RL      | Unit     | D    | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|----------|------|----------|----------------|---------|
| p-Cymene (p-Isopropyltoluene) | 0.000949  | J         | 0.00100 | 0.000233 | mg/L |          | 11/12/21 15:57 | 1       |
| sec-Butylbenzene              | 0.00133   |           | 0.00100 | 0.000199 | mg/L |          | 11/12/21 15:57 | 1       |
| Styrene                       | <0.000623 | U         | 0.00100 | 0.000623 | mg/L |          | 11/12/21 15:57 | 1       |
| tert-Butylbenzene             | 0.00234   |           | 0.00100 | 0.000195 | mg/L |          | 11/12/21 15:57 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U         | 0.00100 | 0.000327 | mg/L |          | 11/12/21 15:57 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U         | 0.00100 | 0.000284 | mg/L |          | 11/12/21 15:57 | 1       |
| Tetrachloroethene             | <0.000500 | U         | 0.00100 | 0.000500 | mg/L |          | 11/12/21 15:57 | 1       |
| Toluene                       | 0.00254   |           | 0.00100 | 0.000500 | mg/L |          | 11/12/21 15:57 | 1       |
| trans-1,2-Dichloroethene      | <0.000256 | U         | 0.00100 | 0.000256 | mg/L |          | 11/12/21 15:57 | 1       |
| trans-1,3-Dichloropropene     | <0.000752 | U         | 0.00500 | 0.000752 | mg/L |          | 11/12/21 15:57 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00200  | U         | 0.00500 | 0.00200  | mg/L |          | 11/12/21 15:57 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00200  | U         | 0.00500 | 0.00200  | mg/L |          | 11/12/21 15:57 | 1       |
| 1,1,1-Trichloroethane         | <0.000504 | U         | 0.00500 | 0.000504 | mg/L |          | 11/12/21 15:57 | 1       |
| 1,1,2-Trichloroethane         | <0.000228 | U         | 0.00100 | 0.000228 | mg/L |          | 11/12/21 15:57 | 1       |
| Trichloroethene               | <0.000424 | U         | 0.00500 | 0.000424 | mg/L |          | 11/12/21 15:57 | 1       |
| Trichlorofluoromethane        | <0.000245 | U         | 0.00100 | 0.000245 | mg/L |          | 11/12/21 15:57 | 1       |
| 1,2,3-Trichloropropane        | <0.000283 | U         | 0.00100 | 0.000283 | mg/L |          | 11/12/21 15:57 | 1       |
| 1,2,4-Trimethylbenzene        | 0.0376    |           | 0.00100 | 0.000252 | mg/L |          | 11/12/21 15:57 | 1       |
| 1,3,5-Trimethylbenzene        | 0.00937   |           | 0.00100 | 0.000279 | mg/L |          | 11/12/21 15:57 | 1       |
| Vinyl chloride                | <0.000234 | U         | 0.00200 | 0.000234 | mg/L |          | 11/12/21 15:57 | 1       |
| Xylenes, Total                | 0.133     |           | 0.0100  | 0.000330 | mg/L |          | 11/12/21 15:57 | 1       |
| Total BTEX                    | 0.176     |           | 0.0100  | 0.00100  | mg/L |          | 11/12/21 15:57 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 99        |           | 74 - 124 |          | 11/12/21 15:57 | 1       |
| Dibromofluoromethane (Surr)  | 96        |           | 75 - 131 |          | 11/12/21 15:57 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 63 - 144 |          | 11/12/21 15:57 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 117 |          | 11/12/21 15:57 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D    | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|------|----------|----------------|---------|
| Total TPH | 2.27   | J         | 4.98 | 0.985 | mg/L |          | 11/11/21 14:16 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D    | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|------|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 2.27   | J         | 4.98 | 0.985 | mg/L | 11/15/21 09:46 | 11/15/21 16:12 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.985 | U         | 4.98 | 0.985 | mg/L | 11/15/21 09:46 | 11/15/21 16:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.950 | U         | 4.98 | 0.950 | mg/L | 11/15/21 09:46 | 11/15/21 16:12 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 74        |           | 70 - 135 | 11/15/21 09:46 | 11/15/21 16:12 | 1       |
| o-Terphenyl    | 84        |           | 70 - 135 | 11/15/21 09:46 | 11/15/21 16:12 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit   | D    | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|--------|------|----------|----------------|---------|
| Chloride     | 115    |           | 0.500 | 0.200  | mg/L |          | 11/12/21 15:50 | 1       |
| Nitrate as N | 0.677  |           | 0.100 | 0.0391 | mg/L |          | 11/12/21 15:50 | 1       |
| Fluoride     | <0.100 | U         | 0.500 | 0.100  | mg/L |          | 11/12/21 15:50 | 1       |
| Nitrite as N | 0.374  |           | 0.100 | 0.0293 | mg/L |          | 11/12/21 15:50 | 1       |

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Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8239-1

Client Sample ID: MW-2  
Date Collected: 11/11/21 12:55  
Date Received: 11/11/21 15:35

Lab Sample ID: 880-8239-2  
Matrix: Water

| Method: 300.0 - Anions, Ion Chromatography (Continued) |        |           |       |       |      |   |          |                |         |
|--------------------------------------------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Analyte                                                | Result | Qualifier | RL    |       | Unit | D | Prepared | Analyzed       | Dil Fac |
| Sulfate                                                | 97.6   |           | 0.500 | 0.109 | mg/L |   |          | 11/12/21 15:50 | 1       |

| General Chemistry               |        |           |      |       |         |   |          |                |         |
|---------------------------------|--------|-----------|------|-------|---------|---|----------|----------------|---------|
| Analyte                         | Result | Qualifier | RL   |       | Unit    | D | Prepared | Analyzed       | Dil Fac |
| Alkalinity                      | 1240   |           | 4.00 | 4.00  | mg/L    |   |          | 11/12/21 18:50 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 1240   |           | 4.00 | 4.00  | mg/L    |   |          | 11/12/21 18:50 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00  | mg/L    |   |          | 11/12/21 18:50 | 1       |
| Carbon dioxide                  | 5590   |           |      |       | mg/L    |   |          | 11/11/21 16:48 | 1       |
| Carbon Dioxide, Free            | 4500   |           |      |       | mg/L    |   |          | 11/11/21 16:48 | 1       |
| pH                              | 6.5    | HF        |      |       | SU      |   |          | 11/12/21 17:02 | 1       |
| Temperature                     | 18.5   | HF        |      |       | Celsius |   |          | 11/12/21 17:02 | 1       |
| Sulfide                         | <0.495 | U         | 5.00 | 0.495 | mg/L    |   |          | 11/15/21 11:59 | 1       |

## Surrogate Summary

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

## 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>(80-117) |
| 860-15441-B-7 MS                   | Matrix Spike           | 99                                             | 100              | 101             | 97              |
| 880-8239-1                         | MW-1                   | 106                                            | 99               | 101             | 104             |
| 880-8239-2                         | MW-2                   | 99                                             | 96               | 103             | 97              |
| LCS 860-30459/1010                 | Lab Control Sample     | 99                                             | 100              | 99              | 100             |
| LCSD 860-30459/11                  | Lab Control Sample Dup | 100                                            | 98               | 100             | 101             |
| MB 860-30459/16                    | Method Blank           | 104                                            | 100              | 102             | 103             |
| <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) |
| 880-8239-1              | MW-1                   | 86                                             | 95                |
| 880-8239-1 MS           | MW-1                   | 111                                            | 86                |
| 880-8239-2              | MW-2                   | 74                                             | 84                |
| LCS 860-30647/2-A       | Lab Control Sample     | 116                                            | 93                |
| LCSD 860-30647/3-A      | Lab Control Sample Dup | 113                                            | 93                |
| MB 860-30647/1-A        | Method Blank           | 96                                             | 104               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-30459/16

Matrix: Water

Analysis Batch: 30459

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromobenzene                  | <0.000300 | U            | 0.00100 | 0.000300 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromochloromethane            | <0.000209 | U            | 0.00100 | 0.000209 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromodichloromethane          | <0.000231 | U            | 0.00100 | 0.000231 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromoform                     | <0.000630 | U            | 0.00500 | 0.000630 mg/L |   |          | 11/12/21 13:06 | 1       |
| Bromomethane                  | <0.00105  | U            | 0.00500 | 0.00105 mg/L  |   |          | 11/12/21 13:06 | 1       |
| 2-Butanone                    | <0.00270  | U            | 0.0500  | 0.00270 mg/L  |   |          | 11/12/21 13:06 | 1       |
| Carbon tetrachloride          | <0.000423 | U            | 0.00500 | 0.000423 mg/L |   |          | 11/12/21 13:06 | 1       |
| Chlorobenzene                 | <0.000159 | U            | 0.00100 | 0.000159 mg/L |   |          | 11/12/21 13:06 | 1       |
| Chloroethane                  | <0.000433 | U            | 0.0100  | 0.000433 mg/L |   |          | 11/12/21 13:06 | 1       |
| Chloroform                    | <0.000259 | U            | 0.00100 | 0.000259 mg/L |   |          | 11/12/21 13:06 | 1       |
| Chloromethane                 | <0.000318 | U            | 0.0100  | 0.000318 mg/L |   |          | 11/12/21 13:06 | 1       |
| 2-Chlorotoluene               | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/12/21 13:06 | 1       |
| 4-Chlorotoluene               | <0.000183 | U            | 0.00100 | 0.000183 mg/L |   |          | 11/12/21 13:06 | 1       |
| cis-1,2-Dichloroethene        | <0.000174 | U            | 0.00100 | 0.000174 mg/L |   |          | 11/12/21 13:06 | 1       |
| cis-1,3-Dichloropropene       | <0.000690 | U            | 0.00500 | 0.000690 mg/L |   |          | 11/12/21 13:06 | 1       |
| Dibromochloromethane          | <0.000739 | U            | 0.00500 | 0.000739 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.000319 | U            | 0.00100 | 0.000319 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dibromoethane             | <0.000337 | U            | 0.00500 | 0.000337 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dichlorobenzene           | <0.000236 | U            | 0.00100 | 0.000236 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,3-Dichlorobenzene           | <0.000197 | U            | 0.00100 | 0.000197 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,4-Dichlorobenzene           | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/12/21 13:06 | 1       |
| Dichlorodifluoromethane       | <0.000316 | U            | 0.00100 | 0.000316 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1-Dichloroethane            | <0.000244 | U            | 0.00100 | 0.000244 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dichloroethane            | <0.000285 | U            | 0.00100 | 0.000285 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U            | 0.00100 | 0.000216 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U            | 0.00500 | 0.000396 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U            | 0.00500 | 0.000439 mg/L |   |          | 11/12/21 13:06 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U            | 0.00500 | 0.000360 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U            | 0.00500 | 0.000481 mg/L |   |          | 11/12/21 13:06 | 1       |
| Ethylbenzene                  | <0.000515 | U            | 0.00100 | 0.000515 mg/L |   |          | 11/12/21 13:06 | 1       |
| Hexachlorobutadiene           | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 13:06 | 1       |
| Isopropylbenzene              | <0.000161 | U            | 0.00100 | 0.000161 mg/L |   |          | 11/12/21 13:06 | 1       |
| Methylene Chloride            | <0.00191  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/12/21 13:06 | 1       |
| m,p-Xylenes                   | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/12/21 13:06 | 1       |
| MTBE                          | <0.000571 | U            | 0.00500 | 0.000571 mg/L |   |          | 11/12/21 13:06 | 1       |
| Naphthalene                   | <0.00200  | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/12/21 13:06 | 1       |
| n-Butylbenzene                | <0.000286 | U            | 0.00100 | 0.000286 mg/L |   |          | 11/12/21 13:06 | 1       |
| N-Propylbenzene               | <0.000179 | U            | 0.00100 | 0.000179 mg/L |   |          | 11/12/21 13:06 | 1       |
| o-Xylene                      | <0.000192 | U            | 0.00100 | 0.000192 mg/L |   |          | 11/12/21 13:06 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U            | 0.00100 | 0.000233 mg/L |   |          | 11/12/21 13:06 | 1       |
| sec-Butylbenzene              | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/12/21 13:06 | 1       |
| Styrene                       | <0.000623 | U            | 0.00100 | 0.000623 mg/L |   |          | 11/12/21 13:06 | 1       |
| tert-Butylbenzene             | <0.000195 | U            | 0.00100 | 0.000195 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U            | 0.00100 | 0.000327 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U            | 0.00100 | 0.000284 mg/L |   |          | 11/12/21 13:06 | 1       |
| Tetrachloroethene             | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/12/21 13:06 | 1       |
| Toluene                       | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/12/21 13:06 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-30459/16

Matrix: Water

Analysis Batch: 30459

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  | <0.000256 | U            | 0.00100 | 0.000256 mg/L |   |          | 11/12/21 13:06 | 1       |
| trans-1,3-Dichloropropene | <0.000752 | U            | 0.00500 | 0.000752 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 13:06 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/12/21 13:06 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U            | 0.00500 | 0.000504 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U            | 0.00100 | 0.000228 mg/L |   |          | 11/12/21 13:06 | 1       |
| Trichloroethene           | <0.000424 | U            | 0.00500 | 0.000424 mg/L |   |          | 11/12/21 13:06 | 1       |
| Trichlorofluoromethane    | <0.000245 | U            | 0.00100 | 0.000245 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U            | 0.00100 | 0.000283 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000252 | U            | 0.00100 | 0.000252 mg/L |   |          | 11/12/21 13:06 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000279 | U            | 0.00100 | 0.000279 mg/L |   |          | 11/12/21 13:06 | 1       |
| Vinyl chloride            | <0.000234 | U            | 0.00200 | 0.000234 mg/L |   |          | 11/12/21 13:06 | 1       |
| Xylenes, Total            | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/12/21 13:06 | 1       |
| Total BTEX                | <0.00100  | U            | 0.0100  | 0.00100 mg/L  |   |          | 11/12/21 13:06 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 104          |              | 74 - 124 |          | 11/12/21 13:06 | 1       |
| Dibromofluoromethane (Surr)  | 100          |              | 75 - 131 |          | 11/12/21 13:06 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 102          |              | 63 - 144 |          | 11/12/21 13:06 | 1       |
| Toluene-d8 (Surr)            | 103          |              | 80 - 117 |          | 11/12/21 13:06 | 1       |

Lab Sample ID: LCS 860-30459/1010

Matrix: Water

Analysis Batch: 30459

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      | 0.04953    |               | mg/L |   | 99   | 66 - 142     |
| Bromobenzene                | 0.0500      | 0.05015    |               | mg/L |   | 100  | 75 - 125     |
| Bromochloromethane          | 0.0500      | 0.05059    |               | mg/L |   | 101  | 60 - 140     |
| Bromodichloromethane        | 0.0500      | 0.05140    |               | mg/L |   | 103  | 75 - 125     |
| Bromoform                   | 0.0500      | 0.04832    |               | mg/L |   | 97   | 75 - 125     |
| Bromomethane                | 0.0500      | 0.04754    |               | mg/L |   | 95   | 60 - 140     |
| 2-Butanone                  | 0.250       | 0.2612     |               | mg/L |   | 104  | 60 - 140     |
| Carbon tetrachloride        | 0.0500      | 0.05045    |               | mg/L |   | 101  | 62 - 125     |
| Chlorobenzene               | 0.0500      | 0.05098    |               | mg/L |   | 102  | 60 - 133     |
| Chloroethane                | 0.0500      | 0.04902    |               | mg/L |   | 98   | 60 - 140     |
| Chloroform                  | 0.0500      | 0.05022    |               | mg/L |   | 100  | 70 - 130     |
| Chloromethane               | 0.0500      | 0.04799    |               | mg/L |   | 96   | 60 - 140     |
| 2-Chlorotoluene             | 0.0500      | 0.04929    |               | mg/L |   | 99   | 73 - 125     |
| 4-Chlorotoluene             | 0.0500      | 0.04975    |               | mg/L |   | 99   | 74 - 125     |
| cis-1,2-Dichloroethene      | 0.0500      | 0.04992    |               | mg/L |   | 100  | 75 - 125     |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05170    |               | mg/L |   | 103  | 74 - 125     |
| Dibromochloromethane        | 0.0500      | 0.05350    |               | mg/L |   | 107  | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05118    |               | mg/L |   | 102  | 59 - 125     |
| 1,2-Dibromoethane           | 0.0500      | 0.05143    |               | mg/L |   | 103  | 73 - 125     |
| 1,2-Dichlorobenzene         | 0.0500      | 0.05049    |               | mg/L |   | 101  | 75 - 125     |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05062    |               | mg/L |   | 101  | 75 - 125     |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05009    |               | mg/L |   | 100  | 75 - 125     |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCS 860-30459/1010

Matrix: Water

Analysis Batch: 30459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Dichlorodifluoromethane       | 0.0500      | 0.04656    |               | mg/L |   | 93   | 70 - 130     |
| 1,1-Dichloroethane            | 0.0500      | 0.05106    |               | mg/L |   | 102  | 72 - 125     |
| 1,2-Dichloroethane            | 0.0500      | 0.05093    |               | mg/L |   | 102  | 68 - 127     |
| 1,1-Dichloroethene            | 0.0500      | 0.05306    |               | mg/L |   | 106  | 59 - 172     |
| 1,2-Dichloropropane           | 0.0500      | 0.05098    |               | mg/L |   | 102  | 74 - 125     |
| 1,3-Dichloropropane           | 0.0500      | 0.05080    |               | mg/L |   | 102  | 75 - 125     |
| 2,2-Dichloropropane           | 0.0500      | 0.04953    |               | mg/L |   | 99   | 75 - 125     |
| 1,1-Dichloropropene           | 0.0500      | 0.05047    |               | mg/L |   | 101  | 75 - 125     |
| Ethylbenzene                  | 0.0500      | 0.05120    |               | mg/L |   | 102  | 75 - 125     |
| Hexachlorobutadiene           | 0.0500      | 0.05352    |               | mg/L |   | 107  | 75 - 125     |
| Isopropylbenzene              | 0.0500      | 0.05156    |               | mg/L |   | 103  | 75 - 125     |
| Methylene Chloride            | 0.0500      | 0.04806    |               | mg/L |   | 96   | 75 - 125     |
| m,p-Xylenes                   | 0.0500      | 0.05040    |               | mg/L |   | 101  | 75 - 125     |
| MTBE                          | 0.0500      | 0.05020    |               | mg/L |   | 100  | 65 - 135     |
| Naphthalene                   | 0.0500      | 0.05213    |               | mg/L |   | 104  | 70 - 130     |
| n-Butylbenzene                | 0.0500      | 0.05162    |               | mg/L |   | 103  | 75 - 125     |
| N-Propylbenzene               | 0.0500      | 0.05018    |               | mg/L |   | 100  | 75 - 125     |
| o-Xylene                      | 0.0500      | 0.05176    |               | mg/L |   | 104  | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05149    |               | mg/L |   | 103  | 75 - 125     |
| sec-Butylbenzene              | 0.0500      | 0.05095    |               | mg/L |   | 102  | 75 - 125     |
| Styrene                       | 0.0500      | 0.05139    |               | mg/L |   | 103  | 75 - 125     |
| tert-Butylbenzene             | 0.0500      | 0.05057    |               | mg/L |   | 101  | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05225    |               | mg/L |   | 105  | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04846    |               | mg/L |   | 97   | 74 - 125     |
| Tetrachloroethene             | 0.0500      | 0.05159    |               | mg/L |   | 103  | 71 - 125     |
| Toluene                       | 0.0500      | 0.05007    |               | mg/L |   | 100  | 59 - 139     |
| trans-1,2-Dichloroethene      | 0.0500      | 0.05101    |               | mg/L |   | 102  | 75 - 125     |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05249    |               | mg/L |   | 105  | 66 - 125     |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05241    |               | mg/L |   | 105  | 75 - 137     |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.05414    |               | mg/L |   | 108  | 75 - 135     |
| 1,1,1-Trichloroethane         | 0.0500      | 0.04853    |               | mg/L |   | 97   | 75 - 125     |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05154    |               | mg/L |   | 103  | 75 - 127     |
| Trichloroethene               | 0.0500      | 0.05038    |               | mg/L |   | 101  | 62 - 137     |
| Trichlorofluoromethane        | 0.0500      | 0.04857    |               | mg/L |   | 97   | 60 - 140     |
| 1,2,3-Trichloropropane        | 0.0500      | 0.04975    |               | mg/L |   | 100  | 75 - 125     |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05089    |               | mg/L |   | 102  | 75 - 125     |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.04984    |               | mg/L |   | 100  | 60 - 140     |
| Vinyl chloride                | 0.0500      | 0.04934    |               | mg/L |   | 99   | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 99            |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 100           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 99            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 117 |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-30459/11

Matrix: Water

Analysis Batch: 30459

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         | 0.04808        |                   | mg/L |   | 96   | 66 - 142        | 3   | 25           |
| Bromobenzene                  | 0.0500         | 0.05279        |                   | mg/L |   | 106  | 75 - 125        | 5   | 25           |
| Bromochloromethane            | 0.0500         | 0.04970        |                   | mg/L |   | 99   | 60 - 140        | 2   | 25           |
| Bromodichloromethane          | 0.0500         | 0.05043        |                   | mg/L |   | 101  | 75 - 125        | 2   | 25           |
| Bromoform                     | 0.0500         | 0.04572        |                   | mg/L |   | 91   | 75 - 125        | 6   | 25           |
| Bromomethane                  | 0.0500         | 0.04555        |                   | mg/L |   | 91   | 60 - 140        | 4   | 25           |
| 2-Butanone                    | 0.250          | 0.2408         |                   | mg/L |   | 96   | 60 - 140        | 8   | 25           |
| Carbon tetrachloride          | 0.0500         | 0.05042        |                   | mg/L |   | 101  | 62 - 125        | 0   | 25           |
| Chlorobenzene                 | 0.0500         | 0.05016        |                   | mg/L |   | 100  | 60 - 133        | 2   | 25           |
| Chloroethane                  | 0.0500         | 0.04714        |                   | mg/L |   | 94   | 60 - 140        | 4   | 25           |
| Chloroform                    | 0.0500         | 0.04899        |                   | mg/L |   | 98   | 70 - 130        | 2   | 25           |
| Chloromethane                 | 0.0500         | 0.04720        |                   | mg/L |   | 94   | 60 - 140        | 2   | 25           |
| 2-Chlorotoluene               | 0.0500         | 0.05177        |                   | mg/L |   | 104  | 73 - 125        | 5   | 25           |
| 4-Chlorotoluene               | 0.0500         | 0.05192        |                   | mg/L |   | 104  | 74 - 125        | 4   | 25           |
| cis-1,2-Dichloroethene        | 0.0500         | 0.04959        |                   | mg/L |   | 99   | 75 - 125        | 1   | 25           |
| cis-1,3-Dichloropropene       | 0.0500         | 0.05230        |                   | mg/L |   | 105  | 74 - 125        | 1   | 25           |
| Dibromochloromethane          | 0.0500         | 0.05201        |                   | mg/L |   | 104  | 73 - 125        | 3   | 25           |
| 1,2-Dibromo-3-Chloropropane   | 0.0500         | 0.04432        |                   | mg/L |   | 89   | 59 - 125        | 14  | 25           |
| 1,2-Dibromoethane             | 0.0500         | 0.05006        |                   | mg/L |   | 100  | 73 - 125        | 3   | 25           |
| 1,2-Dichlorobenzene           | 0.0500         | 0.05136        |                   | mg/L |   | 103  | 75 - 125        | 2   | 25           |
| 1,3-Dichlorobenzene           | 0.0500         | 0.05118        |                   | mg/L |   | 102  | 75 - 125        | 1   | 25           |
| 1,4-Dichlorobenzene           | 0.0500         | 0.05075        |                   | mg/L |   | 102  | 75 - 125        | 1   | 25           |
| Dichlorodifluoromethane       | 0.0500         | 0.04343        |                   | mg/L |   | 87   | 70 - 130        | 7   | 25           |
| 1,1-Dichloroethane            | 0.0500         | 0.04940        |                   | mg/L |   | 99   | 72 - 125        | 3   | 25           |
| 1,2-Dichloroethane            | 0.0500         | 0.04993        |                   | mg/L |   | 100  | 68 - 127        | 2   | 25           |
| 1,1-Dichloroethene            | 0.0500         | 0.05063        |                   | mg/L |   | 101  | 59 - 172        | 5   | 25           |
| 1,2-Dichloropropane           | 0.0500         | 0.04908        |                   | mg/L |   | 98   | 74 - 125        | 4   | 25           |
| 1,3-Dichloropropane           | 0.0500         | 0.05009        |                   | mg/L |   | 100  | 75 - 125        | 1   | 25           |
| 2,2-Dichloropropane           | 0.0500         | 0.04758        |                   | mg/L |   | 95   | 75 - 125        | 4   | 25           |
| 1,1-Dichloropropene           | 0.0500         | 0.05073        |                   | mg/L |   | 101  | 75 - 125        | 1   | 25           |
| Ethylbenzene                  | 0.0500         | 0.05015        |                   | mg/L |   | 100  | 75 - 125        | 2   | 25           |
| Hexachlorobutadiene           | 0.0500         | 0.05122        |                   | mg/L |   | 102  | 75 - 125        | 4   | 25           |
| Isopropylbenzene              | 0.0500         | 0.05085        |                   | mg/L |   | 102  | 75 - 125        | 1   | 25           |
| Methylene Chloride            | 0.0500         | 0.04757        |                   | mg/L |   | 95   | 75 - 125        | 1   | 25           |
| m,p-Xylenes                   | 0.0500         | 0.04989        |                   | mg/L |   | 100  | 75 - 125        | 1   | 25           |
| MTBE                          | 0.0500         | 0.04984        |                   | mg/L |   | 100  | 65 - 135        | 1   | 25           |
| Naphthalene                   | 0.0500         | 0.04949        |                   | mg/L |   | 99   | 70 - 130        | 5   | 25           |
| n-Butylbenzene                | 0.0500         | 0.05153        |                   | mg/L |   | 103  | 75 - 125        | 0   | 25           |
| N-Propylbenzene               | 0.0500         | 0.05181        |                   | mg/L |   | 104  | 75 - 125        | 3   | 25           |
| o-Xylene                      | 0.0500         | 0.05124        |                   | mg/L |   | 102  | 75 - 125        | 1   | 25           |
| p-Cymene (p-Isopropyltoluene) | 0.0500         | 0.05235        |                   | mg/L |   | 105  | 75 - 125        | 2   | 25           |
| sec-Butylbenzene              | 0.0500         | 0.05177        |                   | mg/L |   | 104  | 75 - 125        | 2   | 25           |
| Styrene                       | 0.0500         | 0.05157        |                   | mg/L |   | 103  | 75 - 125        | 0   | 25           |
| tert-Butylbenzene             | 0.0500         | 0.05214        |                   | mg/L |   | 104  | 75 - 125        | 3   | 25           |
| 1,1,1,2-Tetrachloroethane     | 0.0500         | 0.05141        |                   | mg/L |   | 103  | 72 - 125        | 2   | 25           |
| 1,1,1,2,2-Tetrachloroethane   | 0.0500         | 0.04893        |                   | mg/L |   | 98   | 74 - 125        | 1   | 25           |
| Tetrachloroethene             | 0.0500         | 0.05079        |                   | mg/L |   | 102  | 71 - 125        | 2   | 25           |
| Toluene                       | 0.0500         | 0.04877        |                   | mg/L |   | 98   | 59 - 139        | 3   | 25           |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-30459/11

Matrix: Water

Analysis Batch: 30459

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      | 0.04934     |                | mg/L |   | 99   | 75 - 125     | 3   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05290     |                | mg/L |   | 106  | 66 - 125     | 1   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.04942     |                | mg/L |   | 99   | 75 - 137     | 6   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05033     |                | mg/L |   | 101  | 75 - 135     | 7   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.04926     |                | mg/L |   | 99   | 75 - 125     | 1   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.04991     |                | mg/L |   | 100  | 75 - 127     | 3   | 25        |
| Trichloroethene           | 0.0500      | 0.04917     |                | mg/L |   | 98   | 62 - 137     | 2   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.04786     |                | mg/L |   | 96   | 60 - 140     | 1   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05048     |                | mg/L |   | 101  | 75 - 125     | 1   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.05263     |                | mg/L |   | 105  | 75 - 125     | 3   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.05143     |                | mg/L |   | 103  | 60 - 140     | 3   | 25        |
| Vinyl chloride            | 0.0500      | 0.04725     |                | mg/L |   | 95   | 60 - 140     | 4   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100            |                | 74 - 124 |
| Dibromofluoromethane (Surr)  | 98             |                | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 100            |                | 63 - 144 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 117 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-30647/1-A

Matrix: Water

Analysis Batch: 30660

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30647

| 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 |   | 11/15/21 09:46 | 11/15/21 15:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.988    | U            | 5.00 | 0.988 mg/L |   | 11/15/21 09:46 | 11/15/21 15:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.954    | U            | 5.00 | 0.954 mg/L |   | 11/15/21 09:46 | 11/15/21 15:18 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 96           |              | 70 - 135 | 11/15/21 09:46 | 11/15/21 15:18 | 1       |
| o-Terphenyl    | 104          |              | 70 - 135 | 11/15/21 09:46 | 11/15/21 15:18 | 1       |

Lab Sample ID: LCS 860-30647/2-A

Matrix: Water

Analysis Batch: 30660

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30647

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 100         | 94.31      |               | mg/L |   | 94   | 70 - 135     |
| Diesel Range Organics (Over C10-C28) | 99.7        | 108.7      |               | mg/L |   | 109  | 70 - 135     |

| Surrogate      | LCS %Recovery | LCS Qualifier | Limits   |
|----------------|---------------|---------------|----------|
| 1-Chlorooctane | 116           |               | 70 - 135 |
| o-Terphenyl    | 93            |               | 70 - 135 |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: LCSD 860-30647/3-A

Matrix: Water

Analysis Batch: 30660

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30647

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 100            | 102.6          |                | mg/L |   | 102  | 70 - 135     | 8   | 35        |
| Diesel Range Organics (Over C10-C28) | 99.7           | 109.4          |                | mg/L |   | 110  | 70 - 135     | 1   | 35        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |      |   |      |              |     |           |
| 1-Chlorooctane                       | 113            |                | 70 - 135       |      |   |      |              |     |           |
| o-Terphenyl                          | 93             |                | 70 - 135       |      |   |      |              |     |           |

Lab Sample ID: 880-8239-1 MS

Matrix: Water

Analysis Batch: 30660

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 30647

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <0.923        | U                | 94.8        | 101.4     |              | mg/L |   | 107  | 70 - 135     |     |           |
| Diesel Range Organics (Over C10-C28) | <0.923        | U                | 94.4        | 100.4     |              | mg/L |   | 106  | 70 - 135     |     |           |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |              |     |           |
| 1-Chlorooctane                       | 111           |                  | 70 - 135    |           |              |      |   |      |              |     |           |
| o-Terphenyl                          | 86            |                  | 70 - 135    |           |              |      |   |      |              |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-30532/3

Matrix: Water

Analysis Batch: 30532

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB Result | MB Qualifier | RL    | Unit       | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|-------|------------|---|----------|----------------|---------|
| Chloride | <0.200    | U            | 0.500 | 0.200 mg/L |   |          | 11/12/21 09:13 | 1       |
| Fluoride | <0.100    | U            | 0.500 | 0.100 mg/L |   |          | 11/12/21 09:13 | 1       |
| Sulfate  | <0.109    | U            | 0.500 | 0.109 mg/L |   |          | 11/12/21 09:13 | 1       |

Lab Sample ID: LCS 860-30532/4

Matrix: Water

Analysis Batch: 30532

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Chloride | 10.0        | 9.899      |               | mg/L |   | 99   | 90 - 110     |     |           |
| Fluoride | 10.0        | 10.03      |               | mg/L |   | 100  | 90 - 110     |     |           |
| Sulfate  | 10.0        | 9.837      |               | mg/L |   | 98   | 90 - 110     |     |           |

Lab Sample ID: LCSD 860-30532/5

Matrix: Water

Analysis Batch: 30532

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        | 10.07       |                | mg/L |   | 101  | 90 - 110     | 2   | 20        |
| Fluoride | 10.0        | 10.04       |                | mg/L |   | 100  | 90 - 110     | 0   | 20        |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-30532/5

Matrix: Water

Analysis Batch: 30532

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        | 9.875       |                | mg/L |   | 99   | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 860-30533/3

Matrix: Water

Analysis Batch: 30533

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 |   |          | 11/12/21 09:13 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 11/12/21 09:13 | 1       |

Lab Sample ID: LCS 860-30533/4

Matrix: Water

Analysis Batch: 30533

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        | 9.850      |               | mg/L |   | 98   | 80 - 120     |
| Nitrite as N | 5.00        | 5.117      |               | mg/L |   | 102  | 80 - 120     |

Lab Sample ID: LCSD 860-30533/5

Matrix: Water

Analysis Batch: 30533

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        | 9.829       |                | mg/L |   | 98   | 80 - 120     | 0   | 20        |
| Nitrite as N | 5.00        | 5.116       |                | mg/L |   | 102  | 80 - 120     | 0   | 20        |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-30650/4

Matrix: Water

Analysis Batch: 30650

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 |   |          | 11/12/21 13:35 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/12/21 13:35 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/12/21 13:35 | 1       |

Lab Sample ID: LCS 860-30650/5

Matrix: Water

Analysis Batch: 30650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|------|---|------|--------------|
| Alkalinity | 250         | 240.5      |               | mg/L |   | 96   | 85 - 115     |

Lab Sample ID: LCSD 860-30650/6

Matrix: Water

Analysis Batch: 30650

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         | 244.1       |                | mg/L |   | 98   | 85 - 115     | 1   | 20        |

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QC Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8239-1

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-30704/1  
Matrix: Water  
Analysis Batch: 30704

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 |   |          | 11/15/21 11:59 | 1       |

Lab Sample ID: LCS 860-30704/2  
Matrix: Water  
Analysis Batch: 30704

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfide | 51.4        | 48.60      |               | mg/L |   | 95   | 80 - 120     |

Lab Sample ID: LCSD 860-30704/3  
Matrix: Water  
Analysis Batch: 30704

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 | 51.4        | 49.00       |                | mg/L |   | 95   | 80 - 120     | 1   | 20        |

Lab Sample ID: 880-8239-1 MS  
Matrix: Water  
Analysis Batch: 30704

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                | 51.4        | 48.80     |              | mg/L |   | 95   | 80 - 120     |

Lab Sample ID: 880-8239-1 MSD  
Matrix: Water  
Analysis Batch: 30704

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                | 51.4        | 49.00      |               | mg/L |   | 95   | 80 - 120     | 0   | 20        |

## QC Association Summary

Client: Ensolum

Job ID: 880-8239-1

Project/Site: South Hobbs - 03B1417002

## GC/MS VOA

## Analysis Batch: 30459

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-8239-1         | MW-1                   | Total/NA  | Water  | 8260C  |            |
| 880-8239-2         | MW-2                   | Total/NA  | Water  | 8260C  |            |
| MB 860-30459/16    | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-30459/1010 | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-30459/11  | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## GC Semi VOA

## Analysis Batch: 30310

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-8239-1    | MW-1             | Total/NA  | Water  | 8015 NM |            |
| 880-8239-2    | MW-2             | Total/NA  | Water  | 8015 NM |            |

## Prep Batch: 30647

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| 880-8239-1         | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-8239-2         | MW-2                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 860-30647/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 860-30647/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 860-30647/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-8239-1 MS      | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |

## Analysis Batch: 30660

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-8239-1         | MW-1                   | Total/NA  | Water  | 8015B NM | 30647      |
| 880-8239-2         | MW-2                   | Total/NA  | Water  | 8015B NM | 30647      |
| MB 860-30647/1-A   | Method Blank           | Total/NA  | Water  | 8015B NM | 30647      |
| LCS 860-30647/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 30647      |
| LCSD 860-30647/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 30647      |
| 880-8239-1 MS      | MW-1                   | Total/NA  | Water  | 8015B NM | 30647      |

## HPLC/IC

## Analysis Batch: 30532

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8239-1       | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-8239-2       | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-30532/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-30532/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-30532/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 30533

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8239-1       | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-8239-2       | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-30533/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-30533/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-30533/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

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QC Association Summary

Client: Ensolum

Project/Site: South Hobbs - 03B1417002

Job ID: 880-8239-1

General Chemistry

Analysis Batch: 30358

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method        | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 880-8239-1    | MW-1             | Total/NA  | Water  | SM 4500 CO2 D |            |
| 880-8239-2    | MW-2             | Total/NA  | Water  | SM 4500 CO2 D |            |

Analysis Batch: 30537

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-8239-1    | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-8239-2    | MW-2             | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 30650

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 880-8239-1       | MW-1                   | Total/NA  | Water  | SM 2320B |            |
| 880-8239-2       | MW-2                   | Total/NA  | Water  | SM 2320B |            |
| MB 860-30650/4   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-30650/5  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-30650/6 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 30704

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|------------------|------------------------|-----------|--------|--------------|------------|
| 880-8239-1       | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-8239-2       | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| MB 860-30704/1   | Method Blank           | Total/NA  | Water  | SM 4500 S2 F |            |
| LCS 860-30704/2  | Lab Control Sample     | Total/NA  | Water  | SM 4500 S2 F |            |
| LCSD 860-30704/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-8239-1 MS    | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-8239-1 MSD   | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |

Lab Chronicle

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8239-1

**Client Sample ID: MW-1**  
**Date Collected: 11/11/21 12:05**  
**Date Received: 11/11/21 15:35**

**Lab Sample ID: 880-8239-1**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 30459        | 11/12/21 15:38       | EM      | XEN STF |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 30310        | 11/11/21 14:16       | DD      | XEN STF |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 30647        | 11/15/21 09:46       | SAR     | XEN STF |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 30660        | 11/15/21 15:36       | DD      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 30532        | 11/12/21 15:29       | WP      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 30533        | 11/12/21 15:29       | WP      | XEN STF |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 30650        | 11/12/21 18:33       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 30358        | 11/11/21 16:48       | AA      | XEN STF |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 30537        | 11/12/21 17:02       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 30704        | 11/15/21 11:59       | YVD     | XEN STF |

**Client Sample ID: MW-2**  
**Date Collected: 11/11/21 12:55**  
**Date Received: 11/11/21 15:35**

**Lab Sample ID: 880-8239-2**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 30459        | 11/12/21 15:57       | EM      | XEN STF |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 30310        | 11/11/21 14:16       | DD      | XEN STF |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 30647        | 11/15/21 09:46       | SAR     | XEN STF |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 30660        | 11/15/21 16:12       | DD      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 30532        | 11/12/21 15:50       | WP      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 30533        | 11/12/21 15:50       | WP      | XEN STF |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 30650        | 11/12/21 18:50       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 30358        | 11/11/21 16:48       | AA      | XEN STF |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 30537        | 11/12/21 17:02       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 30704        | 11/15/21 11:59       | YVD     | XEN STF |

**Laboratory References:**  
XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8239-1

Laboratory: Eurofins Xenco, Stafford

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-21-44      | 06-30-22        |

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)    |
| 8260C           |                | Water  | Total BTEX                           |
| 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: 880-8239-1

| Method         | Method Description                                    | Protocol | Laboratory |
|----------------|-------------------------------------------------------|----------|------------|
| 8260C          | Volatile Organic Compounds by GC/MS                   | SW846    | XEN STF    |
| 8015 NM        | Diesel Range Organics (DRO) (GC)                      | SW846    | XEN STF    |
| 8015B NM       | Diesel Range Organics (DRO) (GC)                      | SW846    | XEN STF    |
| 300.0          | Anions, Ion Chromatography                            | MCAWW    | XEN STF    |
| SM 2320B       | Alkalinity                                            | SM       | XEN STF    |
| SM 4500 CO2 D  | Carbon Dioxide and Forms of Alkalinity by Calculation | SM       | XEN STF    |
| SM 4500 H+ B   | pH                                                    | SM       | XEN STF    |
| SM 4500 S2 F   | Sulfide, Total                                        | SM       | XEN STF    |
| 5030C          | Purge and Trap                                        | SW846    | XEN STF    |
| 8015NM Aq Prep | Microextraction                                       | SW846    | XEN STF    |

**Protocol References:**

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:**

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

Sample Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8239-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-8239-1    | MW-1             | Water  | 11/11/21 12:05 | 11/11/21 15:35 |
| 880-8239-2    | MW-2             | Water  | 11/11/21 12:55 | 11/11/21 15:35 |

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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  
Hobbs NM (575-392-7550) Phoenix AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000)



880-8239 Chain of Custody

|                  |                   |                        |                      |
|------------------|-------------------|------------------------|----------------------|
| Project Manager: | Beaux Jennings    | Bill to (if different) |                      |
| Company Name:    | Ensolum LLC       | Company Name:          |                      |
| Address:         | 705 W Wadley #210 | Address:               |                      |
| City, State ZIP: | Midland TX        | City, State ZIP:       |                      |
| Phone:           | 432-230-3344      | Email:                 | jennings@ensolum.com |

|                 |              |                                  |  |
|-----------------|--------------|----------------------------------|--|
| 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> | Temp Blank: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Temperature (°C):     | 56/5.7                                                                          | Thermometer ID                                                               |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>             | Correction Factor:                                                           |
| Cooler Custody Seals: | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>             | Total Containers:                                                            |
| Sample Custody Seals: | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>             |                                                                              |

|                       |        |              |              |       |
|-----------------------|--------|--------------|--------------|-------|
| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth |
| MMW-1                 | GW     | 11-11-21     | 1205         |       |
| MMW-2                 | GW     | 11-11-21     | 1255         |       |

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

|                  |  |
|------------------|--|
| ANALYSIS REQUEST |  |
| Work Order Notes |  |

|                                                                                                                                                                                |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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"/> TRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>                                                                        |  |

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 \$3 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 |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 11/12/21 1535 |                              |                          |           |
|                              |                          |               |                              |                          |           |
|                              |                          |               |                              |                          |           |
|                              |                          |               |                              |                          |           |
|                              |                          |               |                              |                          |           |

**CUSTODY SEAL**



ENVIRONMENTAL SAMPLING SUPPLY  
www.essvial.com 800-233-8425

Date:

11-11-21

Signature

*[Handwritten Signature]*

DO NOT  
REMOVE

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Environment Testing  
America



| Client Information (Sub Contract Lab)    |       | Lab PM:                            | Carrier Tracking No(s):             | COC No:                      |                                   |                   |                                |                            |
|------------------------------------------|-------|------------------------------------|-------------------------------------|------------------------------|-----------------------------------|-------------------|--------------------------------|----------------------------|
| Client Contact                           |       | Kramer Jessica                     |                                     | 880-3160.1                   |                                   |                   |                                |                            |
| Shipping/Receiving                       |       | E-Mail:                            | State of Origin:                    | Page:                        |                                   |                   |                                |                            |
| Company                                  |       | jessica.kramer@eurofinsnet.com     | New Mexico                          | Page 1 of 1                  |                                   |                   |                                |                            |
| Eurofins Xenco                           |       | Accreditations Required (See note) | Job #:                              | Job #:                       |                                   |                   |                                |                            |
| 4145 Greenbriar Dr                       |       | NELAP Texas                        | 880-8239-1                          | 880-8239-1                   |                                   |                   |                                |                            |
| City:                                    |       | Due Date Requested:                | Preservation Codes:                 |                              |                                   |                   |                                |                            |
| Stafford                                 |       | 11/13/2021                         | A HCL M Hexane                      |                              |                                   |                   |                                |                            |
| State:                                   |       | TAT Requested (days):              | B NaOH N None                       |                              |                                   |                   |                                |                            |
| TX, 77477                                |       |                                    | C Zn Acetate O AsNaO2               |                              |                                   |                   |                                |                            |
| Phone:                                   | PO #: |                                    | D Nitric Acid P H2SO4               |                              |                                   |                   |                                |                            |
| 281-240-4200(Tel)                        |       |                                    | E NaHSO4 Q Na2SO3                   |                              |                                   |                   |                                |                            |
| Email:                                   | WO #: |                                    | F MeOH R Na2S2O3                    |                              |                                   |                   |                                |                            |
|                                          |       |                                    | G Anichlor S H2SO4                  |                              |                                   |                   |                                |                            |
| Project #:                               |       |                                    | H Ascorbic Acid T TSP Dodecahydrate |                              |                                   |                   |                                |                            |
| 88000023                                 |       |                                    | I Ice U Acetone                     |                              |                                   |                   |                                |                            |
| SSOW#:                                   |       |                                    | J DI Water V MCAA                   |                              |                                   |                   |                                |                            |
|                                          |       |                                    | K EDTA W pH 4-5                     |                              |                                   |                   |                                |                            |
|                                          |       |                                    | L EDA Z other (specify)             |                              |                                   |                   |                                |                            |
|                                          |       |                                    | Other                               |                              |                                   |                   |                                |                            |
| Sample Identification Client ID (Lab ID) |       | Sample Date                        | Sample Time                         | Sample Type (C=Comp, G=grab) | Matrix (W=Water, S=Soil, O=Other) | Preservation Code | Analysis Requested             | Special Instructions/Note: |
| MW-1 (880-8239-1)                        |       | 11/11/21                           | 12:05 Mountain                      |                              | Water                             |                   | 300_ORGM_20D (MOD) Custom List | DISSOLVED SULFIDE          |
| MW-2 (880-8239-2)                        |       | 11/11/21                           | 12:55 Mountain                      |                              | Water                             |                   | 300_ORGM_20D (MOD) Custom List | DISSOLVED SULFIDE          |

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any charges to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.

**Possible Hazard Identification**

Unconfirmed

Deliverable Requested: I II III IV Other (specify) \_\_\_\_\_

Primary Deliverable Rank: 2

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Custody Seal No. \_\_\_\_\_

Δ Yes Δ No

Custody Seal No. \_\_\_\_\_

Temp: 27 IR IDHOU-223

C/E: 40.0

06/08/2021

Corrected Temp: 2.7

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## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-8239-1

Login Number: 8239

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Kramer, Jessica

| 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: 880-8239-1

Login Number: 8239

List Source: Eurofins Xenco, Stafford

List Number: 2

List Creation: 11/12/21 01:30 PM

Creator: Palmar, Pedro

| 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 America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-8490-1

Laboratory Sample Delivery Group: Hobbs NM

Client Project/Site: Levey Well Hobb NM - 03B1417001

**For:**

Ensolum  
705 W. Wadley  
Suite 210  
Midland, Texas 79701

Attn: Beaux Jennings

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
11/29/2021 4:33:14 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

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

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

Laboratory Job ID: 880-8490-1  
SDG: Hobbs NM

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Definitions/Glossary

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

Job ID: 880-8490-1  
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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| H         | Sample was prepped or analyzed beyond the specified holding time                                               |
| 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                                    |
|-----------|----------------------------------------------------------|
| 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 Hobb NM - 03B1417001

Job ID: 880-8490-1  
SDG: Hobbs NM

Job ID: 880-8490-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative  
880-8490-1

Receipt

The sample was received on 11/19/2021 8:42 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 0.7°C

GC/MS VOA

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-31567 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 860-31567 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC

Method 300\_ORGFMS: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Levey Well (880-8490-1).

Method 300\_ORGFMS: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to dilution

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.

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## Client Sample Results

Client: Ensolum

Job ID: 880-8490-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-8490-1

Date Collected: 11/18/21 11:48

Matrix: Water

Date Received: 11/19/21 08:42

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

| Analyte                              | Result         | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|----------------|-----------|---------|---------------|---|----------|----------------|---------|
| <b>Benzene</b>                       | <b>0.00401</b> |           | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 13:29 | 1       |
| Bromobenzene                         | <0.000300 U    |           | 0.00100 | 0.000300 mg/L |   |          | 11/22/21 13:29 | 1       |
| Bromochloromethane                   | <0.000209 U    |           | 0.00100 | 0.000209 mg/L |   |          | 11/22/21 13:29 | 1       |
| Bromodichloromethane                 | <0.000231 U    |           | 0.00100 | 0.000231 mg/L |   |          | 11/22/21 13:29 | 1       |
| Bromoform                            | <0.000630 U    |           | 0.00500 | 0.000630 mg/L |   |          | 11/22/21 13:29 | 1       |
| Bromomethane                         | <0.00105 U     |           | 0.00500 | 0.00105 mg/L  |   |          | 11/22/21 13:29 | 1       |
| 2-Butanone                           | <0.00270 U     |           | 0.0500  | 0.00270 mg/L  |   |          | 11/22/21 13:29 | 1       |
| Carbon tetrachloride                 | <0.000423 U    |           | 0.00500 | 0.000423 mg/L |   |          | 11/22/21 13:29 | 1       |
| Chlorobenzene                        | <0.000159 U    |           | 0.00100 | 0.000159 mg/L |   |          | 11/22/21 13:29 | 1       |
| Chloroethane                         | <0.000433 U    |           | 0.0100  | 0.000433 mg/L |   |          | 11/22/21 13:29 | 1       |
| Chloroform                           | <0.000259 U    |           | 0.00100 | 0.000259 mg/L |   |          | 11/22/21 13:29 | 1       |
| Chloromethane                        | <0.000318 U    |           | 0.0100  | 0.000318 mg/L |   |          | 11/22/21 13:29 | 1       |
| 2-Chlorotoluene                      | <0.000214 U    |           | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 13:29 | 1       |
| 4-Chlorotoluene                      | <0.000183 U    |           | 0.00100 | 0.000183 mg/L |   |          | 11/22/21 13:29 | 1       |
| cis-1,2-Dichloroethene               | <0.000174 U    |           | 0.00100 | 0.000174 mg/L |   |          | 11/22/21 13:29 | 1       |
| cis-1,3-Dichloropropene              | <0.000690 U    |           | 0.00500 | 0.000690 mg/L |   |          | 11/22/21 13:29 | 1       |
| Dibromochloromethane                 | <0.000739 U    |           | 0.00500 | 0.000739 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,2-Dibromo-3-Chloropropane          | <0.000319 U    |           | 0.00100 | 0.000319 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,2-Dibromoethane                    | <0.000337 U    |           | 0.00500 | 0.000337 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,2-Dichlorobenzene                  | <0.000236 U    |           | 0.00100 | 0.000236 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,3-Dichlorobenzene                  | <0.000197 U    |           | 0.00100 | 0.000197 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,4-Dichlorobenzene                  | <0.000199 U    |           | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 13:29 | 1       |
| Dichlorodifluoromethane              | <0.000316 U    |           | 0.00100 | 0.000316 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,1-Dichloroethane                   | <0.000244 U    |           | 0.00100 | 0.000244 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,2-Dichloroethane                   | <0.000285 U    |           | 0.00100 | 0.000285 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,1-Dichloroethene                   | <0.000216 U    |           | 0.00100 | 0.000216 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,2-Dichloropropane                  | <0.000396 U    |           | 0.00500 | 0.000396 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,3-Dichloropropane                  | <0.000439 U    |           | 0.00500 | 0.000439 mg/L |   |          | 11/22/21 13:29 | 1       |
| 2,2-Dichloropropane                  | <0.000360 U    |           | 0.00500 | 0.000360 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,1-Dichloropropene                  | <0.000481 U    |           | 0.00500 | 0.000481 mg/L |   |          | 11/22/21 13:29 | 1       |
| <b>Ethylbenzene</b>                  | <b>0.0162</b>  |           | 0.00100 | 0.000515 mg/L |   |          | 11/22/21 13:29 | 1       |
| Hexachlorobutadiene                  | <0.00200 U     |           | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 13:29 | 1       |
| <b>Isopropylbenzene</b>              | <b>0.00800</b> |           | 0.00100 | 0.000161 mg/L |   |          | 11/22/21 13:29 | 1       |
| Methylene Chloride                   | <0.00191 U     |           | 0.00500 | 0.00191 mg/L  |   |          | 11/22/21 13:29 | 1       |
| <b>m,p-Xylenes</b>                   | <b>0.0626</b>  |           | 0.0100  | 0.000330 mg/L |   |          | 11/22/21 13:29 | 1       |
| MTBE                                 | <0.000571 U    |           | 0.00500 | 0.000571 mg/L |   |          | 11/22/21 13:29 | 1       |
| Naphthalene                          | <0.00200 U     |           | 0.0100  | 0.00200 mg/L  |   |          | 11/22/21 13:29 | 1       |
| n-Butylbenzene                       | <0.000286 U    |           | 0.00100 | 0.000286 mg/L |   |          | 11/22/21 13:29 | 1       |
| <b>N-Propylbenzene</b>               | <b>0.00543</b> |           | 0.00100 | 0.000179 mg/L |   |          | 11/22/21 13:29 | 1       |
| <b>o-Xylene</b>                      | <b>0.00932</b> |           | 0.00100 | 0.000192 mg/L |   |          | 11/22/21 13:29 | 1       |
| <b>p-Cymene (p-Isopropyltoluene)</b> | <b>0.00112</b> |           | 0.00100 | 0.000233 mg/L |   |          | 11/22/21 13:29 | 1       |
| <b>sec-Butylbenzene</b>              | <b>0.00181</b> |           | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 13:29 | 1       |
| Styrene                              | <0.000623 U    |           | 0.00100 | 0.000623 mg/L |   |          | 11/22/21 13:29 | 1       |
| tert-Butylbenzene                    | <0.000195 U    |           | 0.00100 | 0.000195 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,1,1,2-Tetrachloroethane            | <0.000327 U    |           | 0.00100 | 0.000327 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,1,1,2,2-Tetrachloroethane          | <0.000284 U    |           | 0.00100 | 0.000284 mg/L |   |          | 11/22/21 13:29 | 1       |
| Tetrachloroethene                    | <0.000500 U    |           | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 13:29 | 1       |
| <b>Toluene</b>                       | <b>0.0334</b>  |           | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 13:29 | 1       |
| trans-1,2-Dichloroethene             | <0.000256 U    |           | 0.00100 | 0.000256 mg/L |   |          | 11/22/21 13:29 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

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

Job ID: 880-8490-1  
SDG: Hobbs NM

Client Sample ID: Levey Well

Lab Sample ID: 880-8490-1

Date Collected: 11/18/21 11:48

Matrix: Water

Date Received: 11/19/21 08:42

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

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.000752 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 13:29 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 13:29 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/22/21 13:29 | 1       |
| Trichloroethene           | <0.000424 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/22/21 13:29 | 1       |
| Trichlorofluoromethane    | <0.000245 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,2,4-Trimethylbenzene    | 0.0398    |           | 0.00100 | 0.000252 mg/L |   |          | 11/22/21 13:29 | 1       |
| 1,3,5-Trimethylbenzene    | 0.0119    |           | 0.00100 | 0.000279 mg/L |   |          | 11/22/21 13:29 | 1       |
| Vinyl chloride            | <0.000234 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/22/21 13:29 | 1       |
| Xylenes, Total            | 0.0719    |           | 0.0100  | 0.000330 mg/L |   |          | 11/22/21 13:29 | 1       |
| Total BTEX                | 0.126     |           | 0.0100  | 0.00100 mg/L  |   |          | 11/22/21 13:29 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 98        |           | 74 - 124 |          | 11/22/21 13:29 | 1       |
| Dibromofluoromethane (Surr)  | 106       |           | 75 - 131 |          | 11/22/21 13:29 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 63 - 144 |          | 11/22/21 13:29 | 1       |
| Toluene-d8 (Surr)            | 111       |           | 80 - 117 |          | 11/22/21 13:29 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result  | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
| Bromide      | 0.560   |           | 0.500 | 0.0711 mg/L |   |          | 11/20/21 15:45 | 1       |
| Nitrate as N | 0.176   | H         | 0.100 | 0.0391 mg/L |   |          | 11/20/21 15:45 | 1       |
| Chloride     | 247     |           | 0.500 | 0.200 mg/L  |   |          | 11/20/21 15:45 | 1       |
| Nitrite as N | <0.0293 | U H       | 0.100 | 0.0293 mg/L |   |          | 11/20/21 15:45 | 1       |
| Fluoride     | 0.397   | J         | 0.500 | 0.100 mg/L  |   |          | 11/20/21 15:45 | 1       |
| Sulfate      | 44.3    |           | 0.500 | 0.109 mg/L  |   |          | 11/20/21 15:45 | 1       |

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

| Analyte   | Result | Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | 276    |           | 10.0  | 1.47 mg/L   |   | 11/20/21 10:05 | 11/22/21 12:38 | 50      |
| Magnesium | 50.8   |           | 0.200 | 0.0500 mg/L |   | 11/20/21 10:05 | 11/21/21 20:41 | 1       |
| Potassium | 4.29   |           | 0.500 | 0.107 mg/L  |   | 11/20/21 10:05 | 11/21/21 20:41 | 1       |
| Sodium    | 76.4   |           | 0.500 | 0.0667 mg/L |   | 11/20/21 10:05 | 11/21/21 20:41 | 1       |
| SiO2      | 63.3   |           | 1.07  | 0.0781 mg/L |   | 11/20/21 10:05 | 11/21/21 20:41 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Anion/Cation Balance            | -5.71  |           |      | %         |   |          | 11/29/21 16:07 | 1       |
| Alkalinity                      | 698    |           | 4.00 | 4.00 mg/L |   |          | 11/24/21 20:25 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 698    |           | 4.00 | 4.00 mg/L |   |          | 11/24/21 20:25 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/24/21 20:25 | 1       |
| Hydroxide Alkalinity            | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/24/21 20:25 | 1       |
| Phenolphthalein Alkalinity      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/24/21 20:25 | 1       |
| Total Dissolved Solids          | 1350   |           | 20.0 | 20.0 mg/L |   |          | 11/22/21 10:25 | 1       |
| pH                              | 6.6    | HF        |      | SU        |   |          | 11/22/21 14:50 | 1       |
| Temperature                     | 19.3   | HF        |      | Celsius   |   |          | 11/22/21 14:50 | 1       |

Eurofins Xenco, Midland

Surrogate Summary

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

Job ID: 880-8490-1  
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) | (80-117) |
| 870-4214-A-11 MS                   | Matrix Spike           | 101                                            | 105      | 104      | 99       |
| 870-4214-A-11 MSD                  | Matrix Spike Duplicate | 98                                             | 105      | 108      | 100      |
| 880-8490-1                         | Levey Well             | 98                                             | 106      | 108      | 111      |
| LCS 860-31567/3                    | Lab Control Sample     | 99                                             | 105      | 103      | 103      |
| LCSD 860-31567/4                   | Lab Control Sample Dup | 94                                             | 103      | 104      | 101      |
| MB 860-31567/9                     | Method Blank           | 101                                            | 104      | 108      | 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

Job ID: 880-8490-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: MB 860-31567/9

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 31567

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromobenzene                  | <0.000300 | U            | 0.00100 | 0.000300 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromochloromethane            | <0.000209 | U            | 0.00100 | 0.000209 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromodichloromethane          | <0.000231 | U            | 0.00100 | 0.000231 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromoform                     | <0.000630 | U            | 0.00500 | 0.000630 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromomethane                  | <0.00105  | U            | 0.00500 | 0.00105 mg/L  |   |          | 11/22/21 12:13 | 1       |
| 2-Butanone                    | <0.00270  | U            | 0.0500  | 0.00270 mg/L  |   |          | 11/22/21 12:13 | 1       |
| Carbon tetrachloride          | <0.000423 | U            | 0.00500 | 0.000423 mg/L |   |          | 11/22/21 12:13 | 1       |
| Chlorobenzene                 | <0.000159 | U            | 0.00100 | 0.000159 mg/L |   |          | 11/22/21 12:13 | 1       |
| Chloroethane                  | <0.000433 | U            | 0.0100  | 0.000433 mg/L |   |          | 11/22/21 12:13 | 1       |
| Chloroform                    | <0.000259 | U            | 0.00100 | 0.000259 mg/L |   |          | 11/22/21 12:13 | 1       |
| Chloromethane                 | <0.000318 | U            | 0.0100  | 0.000318 mg/L |   |          | 11/22/21 12:13 | 1       |
| 2-Chlorotoluene               | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 12:13 | 1       |
| 4-Chlorotoluene               | <0.000183 | U            | 0.00100 | 0.000183 mg/L |   |          | 11/22/21 12:13 | 1       |
| cis-1,2-Dichloroethene        | <0.000174 | U            | 0.00100 | 0.000174 mg/L |   |          | 11/22/21 12:13 | 1       |
| cis-1,3-Dichloropropene       | <0.000690 | U            | 0.00500 | 0.000690 mg/L |   |          | 11/22/21 12:13 | 1       |
| Dibromochloromethane          | <0.000739 | U            | 0.00500 | 0.000739 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.000319 | U            | 0.00100 | 0.000319 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dibromoethane             | <0.000337 | U            | 0.00500 | 0.000337 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dichlorobenzene           | <0.000236 | U            | 0.00100 | 0.000236 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,3-Dichlorobenzene           | <0.000197 | U            | 0.00100 | 0.000197 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,4-Dichlorobenzene           | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 12:13 | 1       |
| Dichlorodifluoromethane       | <0.000316 | U            | 0.00100 | 0.000316 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1-Dichloroethane            | <0.000244 | U            | 0.00100 | 0.000244 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dichloroethane            | <0.000285 | U            | 0.00100 | 0.000285 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U            | 0.00100 | 0.000216 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U            | 0.00500 | 0.000396 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U            | 0.00500 | 0.000439 mg/L |   |          | 11/22/21 12:13 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U            | 0.00500 | 0.000360 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U            | 0.00500 | 0.000481 mg/L |   |          | 11/22/21 12:13 | 1       |
| Ethylbenzene                  | <0.000515 | U            | 0.00100 | 0.000515 mg/L |   |          | 11/22/21 12:13 | 1       |
| Hexachlorobutadiene           | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 12:13 | 1       |
| Isopropylbenzene              | <0.000161 | U            | 0.00100 | 0.000161 mg/L |   |          | 11/22/21 12:13 | 1       |
| Methylene Chloride            | <0.00191  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/22/21 12:13 | 1       |
| m,p-Xylenes                   | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/22/21 12:13 | 1       |
| MTBE                          | <0.000571 | U            | 0.00500 | 0.000571 mg/L |   |          | 11/22/21 12:13 | 1       |
| Naphthalene                   | <0.00200  | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/22/21 12:13 | 1       |
| n-Butylbenzene                | <0.000286 | U            | 0.00100 | 0.000286 mg/L |   |          | 11/22/21 12:13 | 1       |
| N-Propylbenzene               | <0.000179 | U            | 0.00100 | 0.000179 mg/L |   |          | 11/22/21 12:13 | 1       |
| o-Xylene                      | <0.000192 | U            | 0.00100 | 0.000192 mg/L |   |          | 11/22/21 12:13 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U            | 0.00100 | 0.000233 mg/L |   |          | 11/22/21 12:13 | 1       |
| sec-Butylbenzene              | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 12:13 | 1       |
| Styrene                       | <0.000623 | U            | 0.00100 | 0.000623 mg/L |   |          | 11/22/21 12:13 | 1       |
| tert-Butylbenzene             | <0.000195 | U            | 0.00100 | 0.000195 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U            | 0.00100 | 0.000327 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U            | 0.00100 | 0.000284 mg/L |   |          | 11/22/21 12:13 | 1       |
| Tetrachloroethene             | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 12:13 | 1       |
| Toluene                       | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 12:13 | 1       |

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## QC Sample Results

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

Job ID: 880-8490-1  
SDG: Hobbs NM

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

Lab Sample ID: MB 860-31567/9

Matrix: Water

Analysis Batch: 31567

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  | <0.000256 | U            | 0.00100 | 0.000256 mg/L |   |          | 11/22/21 12:13 | 1       |
| trans-1,3-Dichloropropene | <0.000752 | U            | 0.00500 | 0.000752 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 12:13 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 12:13 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U            | 0.00500 | 0.000504 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U            | 0.00100 | 0.000228 mg/L |   |          | 11/22/21 12:13 | 1       |
| Trichloroethene           | <0.000424 | U            | 0.00500 | 0.000424 mg/L |   |          | 11/22/21 12:13 | 1       |
| Trichlorofluoromethane    | <0.000245 | U            | 0.00100 | 0.000245 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U            | 0.00100 | 0.000283 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000252 | U            | 0.00100 | 0.000252 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000279 | U            | 0.00100 | 0.000279 mg/L |   |          | 11/22/21 12:13 | 1       |
| Vinyl chloride            | <0.000234 | U            | 0.00200 | 0.000234 mg/L |   |          | 11/22/21 12:13 | 1       |
| Xylenes, Total            | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/22/21 12:13 | 1       |
| Total BTEX                | <0.00100  | U            | 0.0100  | 0.00100 mg/L  |   |          | 11/22/21 12:13 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 101          |              | 74 - 124 |          | 11/22/21 12:13 | 1       |
| Dibromofluoromethane (Surr)  | 104          |              | 75 - 131 |          | 11/22/21 12:13 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108          |              | 63 - 144 |          | 11/22/21 12:13 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 80 - 117 |          | 11/22/21 12:13 | 1       |

Lab Sample ID: LCS 860-31567/3

Matrix: Water

Analysis Batch: 31567

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      | 0.04859    |               | mg/L |   | 97   | 66 - 142     |
| Bromobenzene                | 0.0500      | 0.05259    |               | mg/L |   | 105  | 75 - 125     |
| Bromochloromethane          | 0.0500      | 0.05067    |               | mg/L |   | 101  | 60 - 140     |
| Bromodichloromethane        | 0.0500      | 0.05329    |               | mg/L |   | 107  | 75 - 125     |
| Bromoform                   | 0.0500      | 0.04763    |               | mg/L |   | 95   | 75 - 125     |
| Bromomethane                | 0.0500      | 0.04534    |               | mg/L |   | 91   | 60 - 140     |
| 2-Butanone                  | 0.250       | 0.2388     |               | mg/L |   | 96   | 60 - 140     |
| Carbon tetrachloride        | 0.0500      | 0.05447    |               | mg/L |   | 109  | 62 - 125     |
| Chlorobenzene               | 0.0500      | 0.05126    |               | mg/L |   | 103  | 60 - 133     |
| Chloroethane                | 0.0500      | 0.04404    |               | mg/L |   | 88   | 60 - 140     |
| Chloroform                  | 0.0500      | 0.05262    |               | mg/L |   | 105  | 70 - 130     |
| Chloromethane               | 0.0500      | 0.05185    |               | mg/L |   | 104  | 60 - 140     |
| 2-Chlorotoluene             | 0.0500      | 0.05209    |               | mg/L |   | 104  | 73 - 125     |
| 4-Chlorotoluene             | 0.0500      | 0.05279    |               | mg/L |   | 106  | 74 - 125     |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05142    |               | mg/L |   | 103  | 75 - 125     |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05042    |               | mg/L |   | 101  | 74 - 125     |
| Dibromochloromethane        | 0.0500      | 0.05466    |               | mg/L |   | 109  | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.04119    |               | mg/L |   | 82   | 59 - 125     |
| 1,2-Dibromoethane           | 0.0500      | 0.05039    |               | mg/L |   | 101  | 73 - 125     |
| 1,2-Dichlorobenzene         | 0.0500      | 0.04900    |               | mg/L |   | 98   | 75 - 125     |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05240    |               | mg/L |   | 105  | 75 - 125     |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05153    |               | mg/L |   | 103  | 75 - 125     |

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## QC Sample Results

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

Job ID: 880-8490-1  
SDG: Hobbs NM

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

Lab Sample ID: LCS 860-31567/3

Matrix: Water

Analysis Batch: 31567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Dichlorodifluoromethane       | 0.0500      | 0.04748    |               | mg/L |   | 95   | 70 - 130     |
| 1,1-Dichloroethane            | 0.0500      | 0.04919    |               | mg/L |   | 98   | 72 - 125     |
| 1,2-Dichloroethane            | 0.0500      | 0.05080    |               | mg/L |   | 102  | 68 - 127     |
| 1,1-Dichloroethene            | 0.0500      | 0.04815    |               | mg/L |   | 96   | 59 - 172     |
| 1,2-Dichloropropane           | 0.0500      | 0.04890    |               | mg/L |   | 98   | 74 - 125     |
| 1,3-Dichloropropane           | 0.0500      | 0.04924    |               | mg/L |   | 98   | 75 - 125     |
| 2,2-Dichloropropane           | 0.0500      | 0.05476    |               | mg/L |   | 110  | 75 - 125     |
| 1,1-Dichloropropene           | 0.0500      | 0.05151    |               | mg/L |   | 103  | 75 - 125     |
| Ethylbenzene                  | 0.0500      | 0.05261    |               | mg/L |   | 105  | 75 - 125     |
| Hexachlorobutadiene           | 0.0500      | 0.05560    |               | mg/L |   | 111  | 75 - 125     |
| Isopropylbenzene              | 0.0500      | 0.05229    |               | mg/L |   | 105  | 75 - 125     |
| Methylene Chloride            | 0.0500      | 0.04567    |               | mg/L |   | 91   | 75 - 125     |
| m,p-Xylenes                   | 0.0500      | 0.05122    |               | mg/L |   | 102  | 75 - 125     |
| MTBE                          | 0.0500      | 0.04686    |               | mg/L |   | 94   | 65 - 135     |
| Naphthalene                   | 0.0500      | 0.03627    |               | mg/L |   | 73   | 70 - 130     |
| n-Butylbenzene                | 0.0500      | 0.05327    |               | mg/L |   | 107  | 75 - 125     |
| N-Propylbenzene               | 0.0500      | 0.05335    |               | mg/L |   | 107  | 75 - 125     |
| o-Xylene                      | 0.0500      | 0.05187    |               | mg/L |   | 104  | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05342    |               | mg/L |   | 107  | 75 - 125     |
| sec-Butylbenzene              | 0.0500      | 0.05421    |               | mg/L |   | 108  | 75 - 125     |
| Styrene                       | 0.0500      | 0.05037    |               | mg/L |   | 101  | 75 - 125     |
| tert-Butylbenzene             | 0.0500      | 0.05106    |               | mg/L |   | 102  | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05556    |               | mg/L |   | 111  | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04506    |               | mg/L |   | 90   | 74 - 125     |
| Tetrachloroethene             | 0.0500      | 0.05432    |               | mg/L |   | 109  | 71 - 125     |
| Toluene                       | 0.0500      | 0.05219    |               | mg/L |   | 104  | 59 - 139     |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04924    |               | mg/L |   | 98   | 75 - 125     |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05336    |               | mg/L |   | 107  | 66 - 125     |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.03915    |               | mg/L |   | 78   | 75 - 137     |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.04514    |               | mg/L |   | 90   | 75 - 135     |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05218    |               | mg/L |   | 104  | 75 - 125     |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05099    |               | mg/L |   | 102  | 75 - 127     |
| Trichloroethene               | 0.0500      | 0.04974    |               | mg/L |   | 99   | 62 - 137     |
| Trichlorofluoromethane        | 0.0500      | 0.05449    |               | mg/L |   | 109  | 60 - 140     |
| 1,2,3-Trichloropropane        | 0.0500      | 0.04866    |               | mg/L |   | 97   | 75 - 125     |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05208    |               | mg/L |   | 104  | 75 - 125     |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05384    |               | mg/L |   | 108  | 60 - 140     |
| Vinyl chloride                | 0.0500      | 0.04448    |               | mg/L |   | 89   | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 99            |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 105           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 103           |               | 63 - 144 |
| Toluene-d8 (Surr)            | 103           |               | 80 - 117 |

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## QC Sample Results

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

Job ID: 880-8490-1  
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-31567/4

Matrix: Water

Analysis Batch: 31567

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         | 0.04619        |                   | mg/L |   | 92   | 66 - 142        | 5   | 25           |
| Bromobenzene                  | 0.0500         | 0.04828        |                   | mg/L |   | 97   | 75 - 125        | 9   | 25           |
| Bromochloromethane            | 0.0500         | 0.04895        |                   | mg/L |   | 98   | 60 - 140        | 3   | 25           |
| Bromodichloromethane          | 0.0500         | 0.05154        |                   | mg/L |   | 103  | 75 - 125        | 3   | 25           |
| Bromoform                     | 0.0500         | 0.04739        |                   | mg/L |   | 95   | 75 - 125        | 0   | 25           |
| Bromomethane                  | 0.0500         | 0.03631        |                   | mg/L |   | 73   | 60 - 140        | 22  | 25           |
| 2-Butanone                    | 0.250          | 0.2286         |                   | mg/L |   | 91   | 60 - 140        | 4   | 25           |
| Carbon tetrachloride          | 0.0500         | 0.05077        |                   | mg/L |   | 102  | 62 - 125        | 7   | 25           |
| Chlorobenzene                 | 0.0500         | 0.04887        |                   | mg/L |   | 98   | 60 - 133        | 5   | 25           |
| Chloroethane                  | 0.0500         | 0.03808        |                   | mg/L |   | 76   | 60 - 140        | 15  | 25           |
| Chloroform                    | 0.0500         | 0.05008        |                   | mg/L |   | 100  | 70 - 130        | 5   | 25           |
| Chloromethane                 | 0.0500         | 0.04257        |                   | mg/L |   | 85   | 60 - 140        | 20  | 25           |
| 2-Chlorotoluene               | 0.0500         | 0.04664        |                   | mg/L |   | 93   | 73 - 125        | 11  | 25           |
| 4-Chlorotoluene               | 0.0500         | 0.04801        |                   | mg/L |   | 96   | 74 - 125        | 9   | 25           |
| cis-1,2-Dichloroethene        | 0.0500         | 0.04778        |                   | mg/L |   | 96   | 75 - 125        | 7   | 25           |
| cis-1,3-Dichloropropene       | 0.0500         | 0.05096        |                   | mg/L |   | 102  | 74 - 125        | 1   | 25           |
| Dibromochloromethane          | 0.0500         | 0.05218        |                   | mg/L |   | 104  | 73 - 125        | 5   | 25           |
| 1,2-Dibromo-3-Chloropropane   | 0.0500         | 0.03994        |                   | mg/L |   | 80   | 59 - 125        | 3   | 25           |
| 1,2-Dibromoethane             | 0.0500         | 0.04824        |                   | mg/L |   | 96   | 73 - 125        | 4   | 25           |
| 1,2-Dichlorobenzene           | 0.0500         | 0.04837        |                   | mg/L |   | 97   | 75 - 125        | 1   | 25           |
| 1,3-Dichlorobenzene           | 0.0500         | 0.04888        |                   | mg/L |   | 98   | 75 - 125        | 7   | 25           |
| 1,4-Dichlorobenzene           | 0.0500         | 0.04888        |                   | mg/L |   | 98   | 75 - 125        | 5   | 25           |
| Dichlorodifluoromethane       | 0.0500         | 0.04182        |                   | mg/L |   | 84   | 70 - 130        | 13  | 25           |
| 1,1-Dichloroethane            | 0.0500         | 0.04900        |                   | mg/L |   | 98   | 72 - 125        | 0   | 25           |
| 1,2-Dichloroethane            | 0.0500         | 0.05025        |                   | mg/L |   | 101  | 68 - 127        | 1   | 25           |
| 1,1-Dichloroethene            | 0.0500         | 0.04581        |                   | mg/L |   | 92   | 59 - 172        | 5   | 25           |
| 1,2-Dichloropropane           | 0.0500         | 0.04806        |                   | mg/L |   | 96   | 74 - 125        | 2   | 25           |
| 1,3-Dichloropropane           | 0.0500         | 0.04873        |                   | mg/L |   | 97   | 75 - 125        | 1   | 25           |
| 2,2-Dichloropropane           | 0.0500         | 0.05276        |                   | mg/L |   | 106  | 75 - 125        | 4   | 25           |
| 1,1-Dichloropropene           | 0.0500         | 0.04830        |                   | mg/L |   | 97   | 75 - 125        | 6   | 25           |
| Ethylbenzene                  | 0.0500         | 0.04933        |                   | mg/L |   | 99   | 75 - 125        | 6   | 25           |
| Hexachlorobutadiene           | 0.0500         | 0.05526        |                   | mg/L |   | 111  | 75 - 125        | 1   | 25           |
| Isopropylbenzene              | 0.0500         | 0.04686        |                   | mg/L |   | 94   | 75 - 125        | 11  | 25           |
| Methylene Chloride            | 0.0500         | 0.04687        |                   | mg/L |   | 94   | 75 - 125        | 3   | 25           |
| m,p-Xylenes                   | 0.0500         | 0.04942        |                   | mg/L |   | 99   | 75 - 125        | 4   | 25           |
| MTBE                          | 0.0500         | 0.04681        |                   | mg/L |   | 94   | 65 - 135        | 0   | 25           |
| Naphthalene                   | 0.0500         | 0.04127        |                   | mg/L |   | 83   | 70 - 130        | 13  | 25           |
| n-Butylbenzene                | 0.0500         | 0.05046        |                   | mg/L |   | 101  | 75 - 125        | 5   | 25           |
| N-Propylbenzene               | 0.0500         | 0.04923        |                   | mg/L |   | 98   | 75 - 125        | 8   | 25           |
| o-Xylene                      | 0.0500         | 0.05014        |                   | mg/L |   | 100  | 75 - 125        | 3   | 25           |
| p-Cymene (p-Isopropyltoluene) | 0.0500         | 0.04961        |                   | mg/L |   | 99   | 75 - 125        | 7   | 25           |
| sec-Butylbenzene              | 0.0500         | 0.04819        |                   | mg/L |   | 96   | 75 - 125        | 12  | 25           |
| Styrene                       | 0.0500         | 0.04863        |                   | mg/L |   | 97   | 75 - 125        | 3   | 25           |
| tert-Butylbenzene             | 0.0500         | 0.04690        |                   | mg/L |   | 94   | 75 - 125        | 8   | 25           |
| 1,1,1,2-Tetrachloroethane     | 0.0500         | 0.05092        |                   | mg/L |   | 102  | 72 - 125        | 9   | 25           |
| 1,1,2,2-Tetrachloroethane     | 0.0500         | 0.04386        |                   | mg/L |   | 88   | 74 - 125        | 3   | 25           |
| Tetrachloroethene             | 0.0500         | 0.05043        |                   | mg/L |   | 101  | 71 - 125        | 7   | 25           |
| Toluene                       | 0.0500         | 0.04907        |                   | mg/L |   | 98   | 59 - 139        | 6   | 25           |

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## QC Sample Results

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

Job ID: 880-8490-1  
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-31567/4

Matrix: Water

Analysis Batch: 31567

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      | 0.04841     |                | mg/L |   | 97   | 75 - 125     | 2   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05149     |                | mg/L |   | 103  | 66 - 125     | 4   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.04569     |                | mg/L |   | 91   | 75 - 137     | 15  | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.04529     |                | mg/L |   | 91   | 75 - 135     | 0   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.04891     |                | mg/L |   | 98   | 75 - 125     | 6   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.04960     |                | mg/L |   | 99   | 75 - 127     | 3   | 25        |
| Trichloroethene           | 0.0500      | 0.04798     |                | mg/L |   | 96   | 62 - 137     | 4   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.04565     |                | mg/L |   | 91   | 60 - 140     | 18  | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.04495     |                | mg/L |   | 90   | 75 - 125     | 8   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.04772     |                | mg/L |   | 95   | 75 - 125     | 9   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.04782     |                | mg/L |   | 96   | 60 - 140     | 12  | 25        |
| Vinyl chloride            | 0.0500      | 0.03675     |                | mg/L |   | 74   | 60 - 140     | 19  | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 94             |                | 74 - 124 |
| Dibromofluoromethane (Surr)  | 103            |                | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 104            |                | 63 - 144 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 117 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-31482/15

Matrix: Water

Analysis Batch: 31482

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 |   |          | 11/20/21 16:15 | 1       |
| Chloride | <0.200    | U            | 0.500 | 0.200 mg/L  |   |          | 11/20/21 16:15 | 1       |
| Fluoride | <0.100    | U            | 0.500 | 0.100 mg/L  |   |          | 11/20/21 16:15 | 1       |
| Sulfate  | <0.109    | U            | 0.500 | 0.109 mg/L  |   |          | 11/20/21 16:15 | 1       |

Lab Sample ID: LCS 860-31482/16

Matrix: Water

Analysis Batch: 31482

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        | 10.57      |               | mg/L |   | 106  | 90 - 110     |
| Chloride | 10.0        | 10.42      |               | mg/L |   | 104  | 90 - 110     |
| Fluoride | 10.0        | 10.69      |               | mg/L |   | 107  | 90 - 110     |
| Sulfate  | 10.0        | 10.62      |               | mg/L |   | 106  | 90 - 110     |

Lab Sample ID: LCSD 860-31482/17

Matrix: Water

Analysis Batch: 31482

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        | 10.57       |                | mg/L |   | 106  | 90 - 110     | 0   | 20        |
| Chloride | 10.0        | 10.27       |                | mg/L |   | 103  | 90 - 110     | 1   | 20        |
| Fluoride | 10.0        | 10.67       |                | mg/L |   | 107  | 90 - 110     | 0   | 20        |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8490-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-31482/17

Matrix: Water

Analysis Batch: 31482

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        | 10.60       |                | mg/L |   | 106  | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 860-31483/15

Matrix: Water

Analysis Batch: 31483

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 |   |          | 11/20/21 16:15 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 mg/L |   |          | 11/20/21 16:15 | 1       |

Lab Sample ID: LCS 860-31483/16

Matrix: Water

Analysis Batch: 31483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Nitrate as N | 10.0        | 10.51      |               | mg/L |   | 105  | 80 - 120     |     |           |
| Nitrite as N | 5.00        | 5.291      |               | mg/L |   | 106  | 80 - 120     |     |           |

Lab Sample ID: LCSD 860-31483/17

Matrix: Water

Analysis Batch: 31483

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        | 10.49       |                | mg/L |   | 105  | 80 - 120     | 0   | 20        |
| Nitrite as N | 5.00        | 5.289       |                | mg/L |   | 106  | 80 - 120     | 0   | 20        |

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

Lab Sample ID: MB 860-31473/1-A

Matrix: Water

Analysis Batch: 31566

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 31473

| Analyte   | MB Result | MB Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | <0.0293   | U            | 0.200 | 0.0293 mg/L |   | 11/20/21 10:05 | 11/21/21 18:45 | 1       |
| Magnesium | <0.0500   | U            | 0.200 | 0.0500 mg/L |   | 11/20/21 10:05 | 11/21/21 18:45 | 1       |
| Potassium | <0.107    | U            | 0.500 | 0.107 mg/L  |   | 11/20/21 10:05 | 11/21/21 18:45 | 1       |
| Sodium    | <0.0667   | U            | 0.500 | 0.0667 mg/L |   | 11/20/21 10:05 | 11/21/21 18:45 | 1       |
| SiO2      | <0.0781   | U            | 1.07  | 0.0781 mg/L |   | 11/20/21 10:05 | 11/21/21 18:45 | 1       |

Lab Sample ID: LCS 860-31473/2-A

Matrix: Water

Analysis Batch: 31566

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 31473

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Calcium   | 25.0        | 23.82      |               | mg/L |   | 95   | 85 - 115     |     |           |
| Magnesium | 25.0        | 23.05      |               | mg/L |   | 92   | 85 - 115     |     |           |
| Potassium | 10.0        | 9.439      |               | mg/L |   | 94   | 85 - 115     |     |           |
| Sodium    | 25.0        | 23.67      |               | mg/L |   | 95   | 85 - 115     |     |           |
| SiO2      | 21.4        | 21.36      |               | mg/L |   | 100  | 85 - 115     |     |           |

Eurofins Xenco, Midland

## QC Sample Results

Client: Ensolum

Job ID: 880-8490-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-31473/3-A

Matrix: Water

Analysis Batch: 31566

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 31473

| Analyte   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec.    | RPD | RPD |
|-----------|-------------|-------------|----------------|------|---|------|----------|-----|-----|
|           |             |             |                |      |   |      | Limits   |     |     |
| Calcium   | 25.0        | 23.01       |                | mg/L |   | 92   | 85 - 115 | 3   | 20  |
| Magnesium | 25.0        | 22.26       |                | mg/L |   | 89   | 85 - 115 | 3   | 20  |
| Potassium | 10.0        | 9.107       |                | mg/L |   | 91   | 85 - 115 | 4   | 20  |
| Sodium    | 25.0        | 22.83       |                | mg/L |   | 91   | 85 - 115 | 4   | 20  |
| SiO2      | 21.4        | 20.54       |                | mg/L |   | 96   | 85 - 115 | 4   | 20  |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-32158/10

Matrix: Water

Analysis Batch: 32158

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 |   |          | 11/24/21 19:55 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/24/21 19:55 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/24/21 19:55 | 1       |
| Hydroxide Alkalinity            | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/24/21 19:55 | 1       |
| Phenolphthalein Alkalinity      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/24/21 19:55 | 1       |

Lab Sample ID: LCS 860-32158/11

Matrix: Water

Analysis Batch: 32158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |  |
|------------|-------------|------------|---------------|------|---|------|--------------|--|
|            |             |            |               |      |   |      | Limits       |  |
| Alkalinity | 250         | 256.9      |               | mg/L |   | 103  | 85 - 115     |  |

Lab Sample ID: LCSD 860-32158/12

Matrix: Water

Analysis Batch: 32158

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte    | Spike | LCSD   | LCSD      | Unit | D | %Rec | %Rec.    | RPD | RPD   |
|------------|-------|--------|-----------|------|---|------|----------|-----|-------|
|            | Added | Result | Qualifier |      |   |      | Limits   |     | Limit |
| Alkalinity | 250   | 255.4  |           | mg/L |   | 102  | 85 - 115 | 1   | 20    |

Lab Sample ID: 880-8490-1 DU

Matrix: Water

Analysis Batch: 32158

Client Sample ID: Levey Well

Prep Type: Total/NA

| Analyte                         | Sample Sample |           | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|---------------------------------|---------------|-----------|-----------|--------------|------|---|-----|-------|
|                                 | Result        | Qualifier |           |              |      |   |     |       |
| Alkalinity                      | 698           |           | 686.4     |              | mg/L |   | 2   | 20    |
| Bicarbonate Alkalinity as CaCO3 | 698           |           | 686.4     |              | mg/L |   | 2   | 20    |
| Carbonate Alkalinity as CaCO3   | <4.00         | U         | <4.00     | U            | mg/L |   | NC  | 20    |
| Hydroxide Alkalinity            | <4.00         | U         | <4.00     | U            | mg/L |   | NC  | 20    |
| Phenolphthalein Alkalinity      | <4.00         | U         | <4.00     | U            | mg/L |   | NC  | 20    |

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-8490-1  
SDG: Hobbs NM

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

|                               |           |              |      |           |                                |          |                |         |  |
|-------------------------------|-----------|--------------|------|-----------|--------------------------------|----------|----------------|---------|--|
| Lab Sample ID: MB 860-31584/1 |           |              |      |           | Client Sample ID: Method Blank |          |                |         |  |
| Matrix: Water                 |           |              |      |           | Prep Type: Total/NA            |          |                |         |  |
| Analysis Batch: 31584         |           |              |      |           |                                |          |                |         |  |
| Analyte                       | MB Result | MB Qualifier | RL   | Unit      | D                              | Prepared | Analyzed       | Dil Fac |  |
| Total Dissolved Solids        | <5.00     | U            | 5.00 | 5.00 mg/L |                                |          | 11/22/21 10:25 | 1       |  |

|                                |             |            |               |      |                                      |      |              |  |  |
|--------------------------------|-------------|------------|---------------|------|--------------------------------------|------|--------------|--|--|
| Lab Sample ID: LCS 860-31584/2 |             |            |               |      | Client Sample ID: Lab Control Sample |      |              |  |  |
| Matrix: Water                  |             |            |               |      | Prep Type: Total/NA                  |      |              |  |  |
| Analysis Batch: 31584          |             |            |               |      |                                      |      |              |  |  |
| Analyte                        | Spike Added | LCS Result | LCS Qualifier | Unit | D                                    | %Rec | %Rec. Limits |  |  |
| Total Dissolved Solids         | 1000        | 1069       |               | mg/L |                                      | 107  | 80 - 120     |  |  |

|                                 |             |             |                |      |                                          |      |              |     |           |
|---------------------------------|-------------|-------------|----------------|------|------------------------------------------|------|--------------|-----|-----------|
| Lab Sample ID: LCSD 860-31584/3 |             |             |                |      | Client Sample ID: Lab Control Sample Dup |      |              |     |           |
| Matrix: Water                   |             |             |                |      | Prep Type: Total/NA                      |      |              |     |           |
| Analysis Batch: 31584           |             |             |                |      |                                          |      |              |     |           |
| Analyte                         | Spike Added | LCSD Result | LCSD Qualifier | Unit | D                                        | %Rec | %Rec. Limits | RPD | RPD Limit |
| Total Dissolved Solids          | 1000        | 1045        |                | mg/L |                                          | 105  | 80 - 120     | 2   | 10        |

## QC Association Summary

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

Job ID: 880-8490-1  
SDG: Hobbs NM

## GC/MS VOA

## Analysis Batch: 31567

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8490-1       | Levey Well             | Total/NA  | Water  | 8260C  |            |
| MB 860-31567/9   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-31567/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-31567/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## HPLC/IC

## Analysis Batch: 31482

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-8490-1        | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-31482/15   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-31482/16  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-31482/17 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 31483

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-8490-1        | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-31483/15   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-31483/16  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-31483/17 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Metals

## Prep Batch: 31473

| Lab Sample ID      | Client Sample ID       | Prep Type         | Matrix | Method | Prep Batch |
|--------------------|------------------------|-------------------|--------|--------|------------|
| 880-8490-1         | Levey Well             | Total Recoverable | Water  | 200.7  |            |
| MB 860-31473/1-A   | Method Blank           | Total Recoverable | Water  | 200.7  |            |
| LCS 860-31473/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |
| LCSD 860-31473/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7  |            |

## Analysis Batch: 31566

| Lab Sample ID      | Client Sample ID       | Prep Type         | Matrix | Method        | Prep Batch |
|--------------------|------------------------|-------------------|--------|---------------|------------|
| 880-8490-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 31473      |
| MB 860-31473/1-A   | Method Blank           | Total Recoverable | Water  | 200.7 Rev 4.4 | 31473      |
| LCS 860-31473/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 31473      |
| LCSD 860-31473/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7 Rev 4.4 | 31473      |

## Analysis Batch: 31742

| Lab Sample ID | Client Sample ID | Prep Type         | Matrix | Method        | Prep Batch |
|---------------|------------------|-------------------|--------|---------------|------------|
| 880-8490-1    | Levey Well       | Total Recoverable | Water  | 200.7 Rev 4.4 | 31473      |

## General Chemistry

## Analysis Batch: 31584

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 880-8490-1       | Levey Well             | Total/NA  | Water  | SM 2540C |            |
| MB 860-31584/1   | Method Blank           | Total/NA  | Water  | SM 2540C |            |
| LCS 860-31584/2  | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |
| LCSD 860-31584/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2540C |            |

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-8490-1  
SDG: Hobbs NM

General Chemistry

Analysis Batch: 31633

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-8490-1    | Levey Well       | Total/NA  | Water  | SM 4500 H+ B |            |

Analysis Batch: 32158

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-8490-1        | Levey Well             | Total/NA  | Water  | SM 2320B |            |
| MB 860-32158/10   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-32158/11  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-32158/12 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |
| 880-8490-1 DU     | Levey Well             | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 32197

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-8490-1    | Levey Well       | Total/NA  | Water  | SM 1030E |            |

Lab Chronicle

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

Job ID: 880-8490-1  
SDG: Hobbs NM

Client Sample ID: Levey Well  
Date Collected: 11/18/21 11:48  
Date Received: 11/19/21 08:42

Lab Sample ID: 880-8490-1  
Matrix: Water

| Prep Type         | Batch Type | Batch Method  | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA          | Analysis   | 8260C         |     | 1               | 31567        | 11/22/21 13:29       | EM      | XEN STF |
| Total/NA          | Analysis   | 300.0         |     | 1               | 31482        | 11/20/21 15:45       | WP      | XEN STF |
| Total/NA          | Analysis   | 300.0         |     | 1               | 31483        | 11/20/21 15:45       | ANP     | XEN STF |
| Total Recoverable | Prep       | 200.7         |     |                 | 31473        | 11/20/21 10:05       | PB      | XEN STF |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 1               | 31566        | 11/21/21 20:41       | AV      | XEN STF |
| Total Recoverable | Prep       | 200.7         |     |                 | 31473        | 11/20/21 10:05       | PB      | XEN STF |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 50              | 31742        | 11/22/21 12:38       | AV      | XEN STF |
| Total/NA          | Analysis   | SM 1030E      |     | 1               | 32197        | 11/29/21 16:07       | AA      | XEN STF |
| Total/NA          | Analysis   | SM 2320B      |     | 1               | 32158        | 11/24/21 20:25       | JP      | XEN STF |
| Total/NA          | Analysis   | SM 2540C      |     | 1               | 31584        | 11/22/21 10:25       | ADL     | XEN STF |
| Total/NA          | Analysis   | SM 4500 H+ B  |     | 1               | 31633        | 11/22/21 14:50       | JP      | XEN STF |

Laboratory References:  
XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

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

Job ID: 880-8490-1  
SDG: Hobbs NM

Laboratory: Eurofins Xenco, Stafford

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-21-44      | 06-30-22        |

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                         |
|-----------------|-------------|--------|---------------------------------|
| 200.7 Rev 4.4   | 200.7       | Water  | SiO2                            |
| 8260C           |             | Water  | Total BTEX                      |
| 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

Job ID: 880-8490-1

Project/Site: Levey Well Hobb NM - 03B1417001

SDG: Hobbs NM

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

## Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

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



Sample Summary

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

Job ID: 880-8490-1  
SDG: Hobbs NM

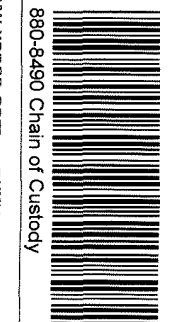
| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-8490-1    | Levey Well       | Water  | 11/18/21 11:48 | 11/19/21 08:42 |

- 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



880-8490 Chain of Custody

|                  |                   |                         |                       |
|------------------|-------------------|-------------------------|-----------------------|
| Project Manager: | Beaux Jennings    | Bill to: (if different) |                       |
| Company Name:    | Ensolum LLC       | Company Name:           |                       |
| Address:         | 705 W Wadley #210 | Address:                |                       |
| City, State ZIP: | Midland TX        | City, State ZIP:        |                       |
| Phone:           | 210-219-8858      | Email:                  | bjennings@ensolum.com |

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

|                       |                                                               |              |                                  |             |                                                               |          |                                                               |   |   |   |   |       |  |                  |                                                               |
|-----------------------|---------------------------------------------------------------|--------------|----------------------------------|-------------|---------------------------------------------------------------|----------|---------------------------------------------------------------|---|---|---|---|-------|--|------------------|---------------------------------------------------------------|
| Project Name:         | Levey Well                                                    | Hobbs NM     | Turn Around                      |             |                                                               |          |                                                               |   |   |   |   |       |  | Work Order Notes |                                                               |
| Project Number:       | 03B1417001                                                    |              | Routine <input type="checkbox"/> |             |                                                               |          |                                                               |   |   |   |   |       |  |                  |                                                               |
| P.O. Number:          | 03B1417001                                                    |              | Rush 24 hr                       |             |                                                               |          |                                                               |   |   |   |   |       |  |                  |                                                               |
| Sampler's Name:       | Acron Marquez                                                 |              | Due Date                         |             |                                                               |          |                                                               |   |   |   |   |       |  |                  |                                                               |
| SAMPLE RECEIPT        |                                                               |              |                                  | Temp Blank: | Yes <input checked="" type="radio"/> No <input type="radio"/> | Wet Ice: | Yes <input type="radio"/> No <input checked="" type="radio"/> |   |   |   |   |       |  |                  | TAT starts the day received by the lab, if received by 4:30pm |
| Temperature (°C):     | 26.7                                                          |              | Thermometer ID                   |             |                                                               |          |                                                               |   |   |   |   |       |  |                  |                                                               |
| Received Intact:      | Yes <input checked="" type="radio"/> No <input type="radio"/> |              | Correction Factor:               |             |                                                               |          |                                                               |   |   |   |   |       |  |                  |                                                               |
| Cooler Custody Seals: | Yes <input type="radio"/> No <input checked="" type="radio"/> |              | Total Containers:                |             |                                                               |          |                                                               |   |   |   |   |       |  |                  |                                                               |
| Sample Custody Seals: | Yes <input type="radio"/> No <input checked="" type="radio"/> |              |                                  |             |                                                               |          |                                                               |   |   |   |   |       |  |                  |                                                               |
| Sample Identification | Matrix                                                        | Date Sampled | Time Sampled                     | Depth       |                                                               |          |                                                               |   |   |   |   |       |  |                  | Sample Comments                                               |
| Levey Well            | W                                                             | 11-18        | 1148                             | -           | 7                                                             | X        | X                                                             | X | X | X | X | 24 hr |  |                  |                                                               |
|                       |                                                               |              |                                  |             | Number of Containers                                          |          |                                                               |   |   |   |   |       |  |                  |                                                               |
|                       |                                                               |              |                                  |             | VOCs                                                          |          |                                                               |   |   |   |   |       |  |                  |                                                               |
|                       |                                                               |              |                                  |             | Anions: F, Cl, SO4, B                                         |          |                                                               |   |   |   |   |       |  |                  |                                                               |
|                       |                                                               |              |                                  |             | Cations: Ca, K, Mg, Na, Si                                    |          |                                                               |   |   |   |   |       |  |                  |                                                               |
|                       |                                                               |              |                                  |             | pH                                                            |          |                                                               |   |   |   |   |       |  |                  |                                                               |
|                       |                                                               |              |                                  |             | Alkalinity                                                    |          |                                                               |   |   |   |   |       |  |                  |                                                               |
|                       |                                                               |              |                                  |             | TDS                                                           |          |                                                               |   |   |   |   |       |  |                  |                                                               |

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 |
| 1. [Signature]               | [Signature]              | 11/19/21 8422 |                              |                          |           |
| 3. [Signature]               |                          |               |                              |                          |           |
| 5. [Signature]               |                          |               |                              |                          |           |

## CUSTODY SEAL



ENVIRONMENTAL SAMPLING SUPPLY

www.essvial.com 800-233-8425

Date: 11-19-21

Signature: [Handwritten Signature]

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## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-8490-1

SDG Number: Hobbs NM

Login Number: 8490

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland

| 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   |         |

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-8490-1

SDG Number: Hobbs NM

Login Number: 8490

List Number: 2

Creator: Palmar, Pedro

List Source: Eurofins Xenco, Stafford

List Creation: 11/20/21 10:57 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?                                      | 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 America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-8489-1

Client Project/Site: South Hobbs - 03B1417002

Sampling Event: South Hobbs

**For:**

Ensolum  
705 W. Wadley  
Suite 210  
Midland, Texas 79701

Attn: Beaux Jennings

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
11/29/2021 4:31:46 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

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

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Laboratory Job ID: 880-8489-1

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Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8489-1

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                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| H         | Sample was prepped or analyzed beyond the specified holding time                                                                                          |
| 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                                                                                       |

Eurofins Xenco, Midland



## Case Narrative

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8489-1

**Job ID: 880-8489-1****Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative  
880-8489-1****Receipt**

The samples were received on 11/19/2021 8:42 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 0.7°C

**GC/MS VOA**

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-31567 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 860-31567 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2 (880-8489-2). 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.

**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\_ORGFMS: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-1 (880-8489-1).

Method 300\_ORGFMS: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to dilution

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: 880-8489-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-8489-1

Date Collected: 11/18/21 13:05

Matrix: Water

Date Received: 11/19/21 08:42

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

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000214 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 12:51 | 1       |
| Bromobenzene                  | <0.000300 | U         | 0.00100 | 0.000300 mg/L |   |          | 11/22/21 12:51 | 1       |
| Bromochloromethane            | <0.000209 | U         | 0.00100 | 0.000209 mg/L |   |          | 11/22/21 12:51 | 1       |
| Bromodichloromethane          | <0.000231 | U         | 0.00100 | 0.000231 mg/L |   |          | 11/22/21 12:51 | 1       |
| Bromoform                     | <0.000630 | U         | 0.00500 | 0.000630 mg/L |   |          | 11/22/21 12:51 | 1       |
| Bromomethane                  | <0.00105  | U         | 0.00500 | 0.00105 mg/L  |   |          | 11/22/21 12:51 | 1       |
| 2-Butanone                    | <0.00270  | U         | 0.0500  | 0.00270 mg/L  |   |          | 11/22/21 12:51 | 1       |
| Carbon tetrachloride          | <0.000423 | U         | 0.00500 | 0.000423 mg/L |   |          | 11/22/21 12:51 | 1       |
| Chlorobenzene                 | <0.000159 | U         | 0.00100 | 0.000159 mg/L |   |          | 11/22/21 12:51 | 1       |
| Chloroethane                  | <0.000433 | U         | 0.0100  | 0.000433 mg/L |   |          | 11/22/21 12:51 | 1       |
| Chloroform                    | <0.000259 | U         | 0.00100 | 0.000259 mg/L |   |          | 11/22/21 12:51 | 1       |
| Chloromethane                 | <0.000318 | U         | 0.0100  | 0.000318 mg/L |   |          | 11/22/21 12:51 | 1       |
| 2-Chlorotoluene               | <0.000214 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 12:51 | 1       |
| 4-Chlorotoluene               | <0.000183 | U         | 0.00100 | 0.000183 mg/L |   |          | 11/22/21 12:51 | 1       |
| cis-1,2-Dichloroethene        | <0.000174 | U         | 0.00100 | 0.000174 mg/L |   |          | 11/22/21 12:51 | 1       |
| cis-1,3-Dichloropropene       | <0.000690 | U         | 0.00500 | 0.000690 mg/L |   |          | 11/22/21 12:51 | 1       |
| Dibromochloromethane          | <0.000739 | U         | 0.00500 | 0.000739 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.000319 | U         | 0.00100 | 0.000319 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,2-Dibromoethane             | <0.000337 | U         | 0.00500 | 0.000337 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,2-Dichlorobenzene           | <0.000236 | U         | 0.00100 | 0.000236 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,3-Dichlorobenzene           | <0.000197 | U         | 0.00100 | 0.000197 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,4-Dichlorobenzene           | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 12:51 | 1       |
| Dichlorodifluoromethane       | <0.000316 | U         | 0.00100 | 0.000316 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,1-Dichloroethane            | <0.000244 | U         | 0.00100 | 0.000244 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,2-Dichloroethane            | <0.000285 | U         | 0.00100 | 0.000285 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U         | 0.00100 | 0.000216 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U         | 0.00500 | 0.000396 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U         | 0.00500 | 0.000439 mg/L |   |          | 11/22/21 12:51 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U         | 0.00500 | 0.000360 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U         | 0.00500 | 0.000481 mg/L |   |          | 11/22/21 12:51 | 1       |
| Ethylbenzene                  | <0.000515 | U         | 0.00100 | 0.000515 mg/L |   |          | 11/22/21 12:51 | 1       |
| Hexachlorobutadiene           | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 12:51 | 1       |
| Isopropylbenzene              | <0.000161 | U         | 0.00100 | 0.000161 mg/L |   |          | 11/22/21 12:51 | 1       |
| Methylene Chloride            | <0.00191  | U         | 0.00500 | 0.00191 mg/L  |   |          | 11/22/21 12:51 | 1       |
| m,p-Xylenes                   | <0.000330 | U         | 0.0100  | 0.000330 mg/L |   |          | 11/22/21 12:51 | 1       |
| MTBE                          | <0.000571 | U         | 0.00500 | 0.000571 mg/L |   |          | 11/22/21 12:51 | 1       |
| Naphthalene                   | <0.00200  | U         | 0.0100  | 0.00200 mg/L  |   |          | 11/22/21 12:51 | 1       |
| n-Butylbenzene                | <0.000286 | U         | 0.00100 | 0.000286 mg/L |   |          | 11/22/21 12:51 | 1       |
| N-Propylbenzene               | <0.000179 | U         | 0.00100 | 0.000179 mg/L |   |          | 11/22/21 12:51 | 1       |
| o-Xylene                      | <0.000192 | U         | 0.00100 | 0.000192 mg/L |   |          | 11/22/21 12:51 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U         | 0.00100 | 0.000233 mg/L |   |          | 11/22/21 12:51 | 1       |
| sec-Butylbenzene              | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 12:51 | 1       |
| Styrene                       | <0.000623 | U         | 0.00100 | 0.000623 mg/L |   |          | 11/22/21 12:51 | 1       |
| tert-Butylbenzene             | <0.000195 | U         | 0.00100 | 0.000195 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U         | 0.00100 | 0.000327 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U         | 0.00100 | 0.000284 mg/L |   |          | 11/22/21 12:51 | 1       |
| Tetrachloroethene             | <0.000500 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 12:51 | 1       |
| Toluene                       | <0.000500 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 12:51 | 1       |
| trans-1,2-Dichloroethene      | <0.000256 | U         | 0.00100 | 0.000256 mg/L |   |          | 11/22/21 12:51 | 1       |

Eurofins Xenco, Midland

## Client Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 880-8489-1

Date Collected: 11/18/21 13:05

Matrix: Water

Date Received: 11/19/21 08:42

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

| Analyte                   | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.000752 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 12:51 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 12:51 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/22/21 12:51 | 1       |
| Trichloroethene           | <0.000424 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/22/21 12:51 | 1       |
| Trichlorofluoromethane    | <0.000245 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000252 | U         | 0.00100 | 0.000252 mg/L |   |          | 11/22/21 12:51 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000279 | U         | 0.00100 | 0.000279 mg/L |   |          | 11/22/21 12:51 | 1       |
| Vinyl chloride            | <0.000234 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/22/21 12:51 | 1       |
| Xylenes, Total            | <0.000330 | U         | 0.0100  | 0.000330 mg/L |   |          | 11/22/21 12:51 | 1       |
| Total BTEX                | <0.00100  | U         | 0.0100  | 0.00100 mg/L  |   |          | 11/22/21 12:51 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 102       |           | 74 - 124 |          | 11/22/21 12:51 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 75 - 131 |          | 11/22/21 12:51 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 63 - 144 |          | 11/22/21 12:51 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 117 |          | 11/22/21 12:51 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | 1.05   | J         | 4.90 | 0.969 mg/L |   |          | 11/22/21 17:16 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.05      | J         | 4.90     | 0.969 mg/L |   | 11/22/21 09:00 | 11/22/21 12:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.969    | U         | 4.90     | 0.969 mg/L |   | 11/22/21 09:00 | 11/22/21 12:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.935    | U         | 4.90     | 0.935 mg/L |   | 11/22/21 09:00 | 11/22/21 12:09 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |            |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 105       |           | 70 - 135 |            |   | 11/22/21 09:00 | 11/22/21 12:09 | 1       |
| o-Terphenyl                          | 116       |           | 70 - 135 |            |   | 11/22/21 09:00 | 11/22/21 12:09 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result  | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|---------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 172     |           | 0.500 | 0.200 mg/L  |   |          | 11/20/21 14:16 | 1       |
| Nitrate as N | 0.151   | H         | 0.100 | 0.0391 mg/L |   |          | 11/20/21 14:16 | 1       |
| Fluoride     | 0.741   |           | 0.500 | 0.100 mg/L  |   |          | 11/20/21 14:16 | 1       |
| Nitrite as N | <0.0293 | U H       | 0.100 | 0.0293 mg/L |   |          | 11/20/21 14:16 | 1       |
| Sulfate      | 23.1    |           | 0.500 | 0.109 mg/L  |   |          | 11/20/21 14:16 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Alkalinity                      | 314    |           | 4.00 | 4.00 mg/L |   |          | 11/24/21 20:46 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 314    |           | 4.00 | 4.00 mg/L |   |          | 11/24/21 20:46 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 11/24/21 20:46 | 1       |
| Carbon dioxide                  | 300    |           |      | mg/L      |   |          | 11/29/21 16:09 | 1       |
| Carbon Dioxide, Free            | 24.9   |           |      | mg/L      |   |          | 11/29/21 16:09 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8489-1

## Client Sample ID: MW-1

Lab Sample ID: 880-8489-1

Date Collected: 11/18/21 13:05

Matrix: Water

Date Received: 11/19/21 08:42

## General Chemistry (Continued)

| Analyte     | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-------------|--------|-----------|------|------------|---|----------|----------------|---------|
| pH          | 7.4    | HF        |      | SU         |   |          | 11/22/21 14:50 | 1       |
| Temperature | 19.0   | HF        |      | Celsius    |   |          | 11/22/21 14:50 | 1       |
| Sulfide     | <0.495 | U         | 5.00 | 0.495 mg/L |   |          | 11/23/21 15:22 | 1       |

## Client Sample ID: MW-2

Lab Sample ID: 880-8489-2

Date Collected: 11/18/21 14:40

Matrix: Water

Date Received: 11/19/21 08:42

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

| Analyte                     | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                     | 0.0331    |           | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 13:10 | 1       |
| Bromobenzene                | <0.000300 | U         | 0.00100 | 0.000300 mg/L |   |          | 11/22/21 13:10 | 1       |
| Bromochloromethane          | <0.000209 | U         | 0.00100 | 0.000209 mg/L |   |          | 11/22/21 13:10 | 1       |
| Bromodichloromethane        | <0.000231 | U         | 0.00100 | 0.000231 mg/L |   |          | 11/22/21 13:10 | 1       |
| Bromoform                   | <0.000630 | U         | 0.00500 | 0.000630 mg/L |   |          | 11/22/21 13:10 | 1       |
| Bromomethane                | <0.00105  | U         | 0.00500 | 0.00105 mg/L  |   |          | 11/22/21 13:10 | 1       |
| 2-Butanone                  | <0.00270  | U         | 0.0500  | 0.00270 mg/L  |   |          | 11/22/21 13:10 | 1       |
| Carbon tetrachloride        | <0.000423 | U         | 0.00500 | 0.000423 mg/L |   |          | 11/22/21 13:10 | 1       |
| Chlorobenzene               | <0.000159 | U         | 0.00100 | 0.000159 mg/L |   |          | 11/22/21 13:10 | 1       |
| Chloroethane                | <0.000433 | U         | 0.0100  | 0.000433 mg/L |   |          | 11/22/21 13:10 | 1       |
| Chloroform                  | <0.000259 | U         | 0.00100 | 0.000259 mg/L |   |          | 11/22/21 13:10 | 1       |
| Chloromethane               | <0.000318 | U         | 0.0100  | 0.000318 mg/L |   |          | 11/22/21 13:10 | 1       |
| 2-Chlorotoluene             | <0.000214 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 13:10 | 1       |
| 4-Chlorotoluene             | <0.000183 | U         | 0.00100 | 0.000183 mg/L |   |          | 11/22/21 13:10 | 1       |
| cis-1,2-Dichloroethene      | <0.000174 | U         | 0.00100 | 0.000174 mg/L |   |          | 11/22/21 13:10 | 1       |
| cis-1,3-Dichloropropene     | <0.000690 | U         | 0.00500 | 0.000690 mg/L |   |          | 11/22/21 13:10 | 1       |
| Dibromochloromethane        | <0.000739 | U         | 0.00500 | 0.000739 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.000319 | U         | 0.00100 | 0.000319 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,2-Dibromoethane           | <0.000337 | U         | 0.00500 | 0.000337 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,2-Dichlorobenzene         | <0.000236 | U         | 0.00100 | 0.000236 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,3-Dichlorobenzene         | <0.000197 | U         | 0.00100 | 0.000197 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,4-Dichlorobenzene         | <0.000199 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 13:10 | 1       |
| Dichlorodifluoromethane     | <0.000316 | U         | 0.00100 | 0.000316 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,1-Dichloroethane          | <0.000244 | U         | 0.00100 | 0.000244 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,2-Dichloroethane          | <0.000285 | U         | 0.00100 | 0.000285 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,1-Dichloroethene          | <0.000216 | U         | 0.00100 | 0.000216 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,2-Dichloropropane         | <0.000396 | U         | 0.00500 | 0.000396 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,3-Dichloropropane         | <0.000439 | U         | 0.00500 | 0.000439 mg/L |   |          | 11/22/21 13:10 | 1       |
| 2,2-Dichloropropane         | <0.000360 | U         | 0.00500 | 0.000360 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,1-Dichloropropene         | <0.000481 | U         | 0.00500 | 0.000481 mg/L |   |          | 11/22/21 13:10 | 1       |
| Ethylbenzene                | 0.0311    |           | 0.00100 | 0.000515 mg/L |   |          | 11/22/21 13:10 | 1       |
| Hexachlorobutadiene         | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 13:10 | 1       |
| Isopropylbenzene            | 0.0289    |           | 0.00100 | 0.000161 mg/L |   |          | 11/22/21 13:10 | 1       |
| Methylene Chloride          | <0.00191  | U         | 0.00500 | 0.00191 mg/L  |   |          | 11/22/21 13:10 | 1       |
| m,p-Xylenes                 | 0.336     |           | 0.100   | 0.00330 mg/L  |   |          | 11/22/21 15:06 | 10      |
| MTBE                        | <0.000571 | U         | 0.00500 | 0.000571 mg/L |   |          | 11/22/21 13:10 | 1       |
| Naphthalene                 | <0.00200  | U         | 0.0100  | 0.00200 mg/L  |   |          | 11/22/21 13:10 | 1       |
| n-Butylbenzene              | 0.00130   |           | 0.00100 | 0.000286 mg/L |   |          | 11/22/21 13:10 | 1       |
| N-Propylbenzene             | 0.00724   |           | 0.00100 | 0.000179 mg/L |   |          | 11/22/21 13:10 | 1       |
| o-Xylene                    | 0.0184    |           | 0.00100 | 0.000192 mg/L |   |          | 11/22/21 13:10 | 1       |

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## Client Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-2

Lab Sample ID: 880-8489-2

Date Collected: 11/18/21 14:40

Matrix: Water

Date Received: 11/19/21 08:42

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

| Analyte                       | Result    | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|---------|---------------|---|----------|----------------|---------|
| p-Cymene (p-Isopropyltoluene) | 0.00305   |           | 0.00100 | 0.000233 mg/L |   |          | 11/22/21 13:10 | 1       |
| sec-Butylbenzene              | 0.00389   |           | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 13:10 | 1       |
| Styrene                       | <0.000623 | U         | 0.00100 | 0.000623 mg/L |   |          | 11/22/21 13:10 | 1       |
| tert-Butylbenzene             | <0.000195 | U         | 0.00100 | 0.000195 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U         | 0.00100 | 0.000327 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U         | 0.00100 | 0.000284 mg/L |   |          | 11/22/21 13:10 | 1       |
| Tetrachloroethene             | <0.000500 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 13:10 | 1       |
| Toluene                       | 0.00352   |           | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 13:10 | 1       |
| trans-1,2-Dichloroethene      | <0.000256 | U         | 0.00100 | 0.000256 mg/L |   |          | 11/22/21 13:10 | 1       |
| trans-1,3-Dichloropropene     | <0.000752 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 13:10 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00200  | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 13:10 | 1       |
| 1,1,1-Trichloroethane         | <0.000504 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,1,2-Trichloroethane         | <0.000228 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/22/21 13:10 | 1       |
| Trichloroethene               | <0.000424 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/22/21 13:10 | 1       |
| Trichlorofluoromethane        | <0.000245 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,2,3-Trichloropropane        | <0.000283 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,2,4-Trimethylbenzene        | 0.116     |           | 0.00100 | 0.000252 mg/L |   |          | 11/22/21 13:10 | 1       |
| 1,3,5-Trimethylbenzene        | 0.0299    |           | 0.00100 | 0.000279 mg/L |   |          | 11/22/21 13:10 | 1       |
| Vinyl chloride                | <0.000234 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/22/21 13:10 | 1       |
| Xylenes, Total                | 0.359     |           | 0.100   | 0.00330 mg/L  |   |          | 11/22/21 15:06 | 10      |
| Total BTEX                    | 0.454     |           | 0.100   | 0.0100 mg/L   |   |          | 11/22/21 15:06 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 100       |           | 74 - 124 |          | 11/22/21 13:10 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 74 - 124 |          | 11/22/21 15:06 | 10      |
| Dibromofluoromethane (Surr)  | 106       |           | 75 - 131 |          | 11/22/21 13:10 | 1       |
| Dibromofluoromethane (Surr)  | 106       |           | 75 - 131 |          | 11/22/21 15:06 | 10      |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 63 - 144 |          | 11/22/21 13:10 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 63 - 144 |          | 11/22/21 15:06 | 10      |
| Toluene-d8 (Surr)            | 106       |           | 80 - 117 |          | 11/22/21 13:10 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 117 |          | 11/22/21 15:06 | 10      |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | 2.56   | J         | 4.67 | 0.923 mg/L |   |          | 11/22/21 17:16 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) - RA

| Analyte                              | Result    | Qualifier | RL       |       | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 2.56      | J         | 4.67     | 0.923 | mg/L |   | 11/22/21 09:00 | 11/22/21 14:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.923    | U         | 4.67     | 0.923 | mg/L |   | 11/22/21 09:00 | 11/22/21 14:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.891    | U         | 4.67     | 0.891 | mg/L |   | 11/22/21 09:00 | 11/22/21 14:38 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |      |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 135 |       |      |   | 11/22/21 09:00 | 11/22/21 14:38 | 1       |
| o-Terphenyl                          | 105       |           | 70 - 135 |       |      |   | 11/22/21 09:00 | 11/22/21 14:38 | 1       |

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Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8489-1

Client Sample ID: MW-2  
Date Collected: 11/18/21 14:40  
Date Received: 11/19/21 08:42

Lab Sample ID: 880-8489-2  
Matrix: Water

| Method: 300.0 - Anions, Ion Chromatography |        |           |       |        |      |   |          |                |         |
|--------------------------------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Analyte                                    | Result | Qualifier | RL    |        | Unit | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                   | 103    |           | 0.500 | 0.200  | mg/L |   |          | 11/20/21 14:26 | 1       |
| Nitrate as N                               | 0.600  |           | 0.100 | 0.0391 | mg/L |   |          | 11/20/21 14:26 | 1       |
| Fluoride                                   | <0.100 | U         | 0.500 | 0.100  | mg/L |   |          | 11/20/21 14:26 | 1       |
| Nitrite as N                               | 1.28   |           | 0.100 | 0.0293 | mg/L |   |          | 11/20/21 14:26 | 1       |
| Sulfate                                    | 98.1   |           | 0.500 | 0.109  | mg/L |   |          | 11/20/21 14:26 | 1       |

| General Chemistry               |        |           |      |       |         |   |          |                |         |
|---------------------------------|--------|-----------|------|-------|---------|---|----------|----------------|---------|
| Analyte                         | Result | Qualifier | RL   |       | Unit    | D | Prepared | Analyzed       | Dil Fac |
| Alkalinity                      | 1140   |           | 4.00 | 4.00  | mg/L    |   |          | 11/24/21 21:02 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 1140   |           | 4.00 | 4.00  | mg/L    |   |          | 11/24/21 21:02 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00  | mg/L    |   |          | 11/24/21 21:02 | 1       |
| Carbon dioxide                  | 1580   |           |      |       | mg/L    |   |          | 11/29/21 16:09 | 1       |
| Carbon Dioxide, Free            | 574    |           |      |       | mg/L    |   |          | 11/29/21 16:09 | 1       |
| pH                              | 6.6    | HF        |      |       | SU      |   |          | 11/22/21 14:50 | 1       |
| Temperature                     | 19.5   | HF        |      |       | Celsius |   |          | 11/22/21 14:50 | 1       |
| Sulfide                         | <0.495 | U         | 5.00 | 0.495 | mg/L    |   |          | 11/23/21 17:07 | 1       |

## Surrogate Summary

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID                      | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |                 |
|------------------------------------|------------------------|------------------------------------------------|------------------|-----------------|-----------------|
|                                    |                        | BFB<br>(74-124)                                | DBFM<br>(75-131) | DCA<br>(63-144) | TOL<br>(80-117) |
| 870-4214-A-11 MS                   | Matrix Spike           | 101                                            | 105              | 104             | 99              |
| 870-4214-A-11 MSD                  | Matrix Spike Duplicate | 98                                             | 105              | 108             | 100             |
| 880-8489-1                         | MW-1                   | 102                                            | 99               | 107             | 102             |
| 880-8489-2                         | MW-2                   | 100                                            | 106              | 108             | 106             |
| 880-8489-2                         | MW-2                   | 99                                             | 106              | 112             | 100             |
| LCS 860-31567/3                    | Lab Control Sample     | 99                                             | 105              | 103             | 103             |
| LCSD 860-31567/4                   | Lab Control Sample Dup | 94                                             | 103              | 104             | 101             |
| MB 860-31567/9                     | Method Blank           | 101                                            | 104              | 108             | 102             |
| <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

| Lab Sample ID           | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
|                         |                        | 1CO1<br>(70-135)                               | OTPH1<br>(70-135) |
| 880-8489-1              | MW-1                   | 105                                            | 116               |
| 880-8489-1 MS           | MW-1                   | 105                                            | 88                |
| 880-8489-2 - RA         | MW-2                   | 96                                             | 105               |
| LCS 860-31575/2-A       | Lab Control Sample     | 121                                            | 104               |
| LCSD 860-31575/3-A      | Lab Control Sample Dup | 122                                            | 104               |
| MB 860-31575/1-A        | Method Blank           | 100                                            | 110               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-31567/9

Matrix: Water

Analysis Batch: 31567

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromobenzene                  | <0.000300 | U            | 0.00100 | 0.000300 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromochloromethane            | <0.000209 | U            | 0.00100 | 0.000209 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromodichloromethane          | <0.000231 | U            | 0.00100 | 0.000231 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromoform                     | <0.000630 | U            | 0.00500 | 0.000630 mg/L |   |          | 11/22/21 12:13 | 1       |
| Bromomethane                  | <0.00105  | U            | 0.00500 | 0.00105 mg/L  |   |          | 11/22/21 12:13 | 1       |
| 2-Butanone                    | <0.00270  | U            | 0.0500  | 0.00270 mg/L  |   |          | 11/22/21 12:13 | 1       |
| Carbon tetrachloride          | <0.000423 | U            | 0.00500 | 0.000423 mg/L |   |          | 11/22/21 12:13 | 1       |
| Chlorobenzene                 | <0.000159 | U            | 0.00100 | 0.000159 mg/L |   |          | 11/22/21 12:13 | 1       |
| Chloroethane                  | <0.000433 | U            | 0.0100  | 0.000433 mg/L |   |          | 11/22/21 12:13 | 1       |
| Chloroform                    | <0.000259 | U            | 0.00100 | 0.000259 mg/L |   |          | 11/22/21 12:13 | 1       |
| Chloromethane                 | <0.000318 | U            | 0.0100  | 0.000318 mg/L |   |          | 11/22/21 12:13 | 1       |
| 2-Chlorotoluene               | <0.000214 | U            | 0.00100 | 0.000214 mg/L |   |          | 11/22/21 12:13 | 1       |
| 4-Chlorotoluene               | <0.000183 | U            | 0.00100 | 0.000183 mg/L |   |          | 11/22/21 12:13 | 1       |
| cis-1,2-Dichloroethene        | <0.000174 | U            | 0.00100 | 0.000174 mg/L |   |          | 11/22/21 12:13 | 1       |
| cis-1,3-Dichloropropene       | <0.000690 | U            | 0.00500 | 0.000690 mg/L |   |          | 11/22/21 12:13 | 1       |
| Dibromochloromethane          | <0.000739 | U            | 0.00500 | 0.000739 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.000319 | U            | 0.00100 | 0.000319 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dibromoethane             | <0.000337 | U            | 0.00500 | 0.000337 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dichlorobenzene           | <0.000236 | U            | 0.00100 | 0.000236 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,3-Dichlorobenzene           | <0.000197 | U            | 0.00100 | 0.000197 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,4-Dichlorobenzene           | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 12:13 | 1       |
| Dichlorodifluoromethane       | <0.000316 | U            | 0.00100 | 0.000316 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1-Dichloroethane            | <0.000244 | U            | 0.00100 | 0.000244 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dichloroethane            | <0.000285 | U            | 0.00100 | 0.000285 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1-Dichloroethene            | <0.000216 | U            | 0.00100 | 0.000216 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2-Dichloropropane           | <0.000396 | U            | 0.00500 | 0.000396 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,3-Dichloropropane           | <0.000439 | U            | 0.00500 | 0.000439 mg/L |   |          | 11/22/21 12:13 | 1       |
| 2,2-Dichloropropane           | <0.000360 | U            | 0.00500 | 0.000360 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1-Dichloropropene           | <0.000481 | U            | 0.00500 | 0.000481 mg/L |   |          | 11/22/21 12:13 | 1       |
| Ethylbenzene                  | <0.000515 | U            | 0.00100 | 0.000515 mg/L |   |          | 11/22/21 12:13 | 1       |
| Hexachlorobutadiene           | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 12:13 | 1       |
| Isopropylbenzene              | <0.000161 | U            | 0.00100 | 0.000161 mg/L |   |          | 11/22/21 12:13 | 1       |
| Methylene Chloride            | <0.00191  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/22/21 12:13 | 1       |
| m,p-Xylenes                   | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/22/21 12:13 | 1       |
| MTBE                          | <0.000571 | U            | 0.00500 | 0.000571 mg/L |   |          | 11/22/21 12:13 | 1       |
| Naphthalene                   | <0.00200  | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/22/21 12:13 | 1       |
| n-Butylbenzene                | <0.000286 | U            | 0.00100 | 0.000286 mg/L |   |          | 11/22/21 12:13 | 1       |
| N-Propylbenzene               | <0.000179 | U            | 0.00100 | 0.000179 mg/L |   |          | 11/22/21 12:13 | 1       |
| o-Xylene                      | <0.000192 | U            | 0.00100 | 0.000192 mg/L |   |          | 11/22/21 12:13 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.000233 | U            | 0.00100 | 0.000233 mg/L |   |          | 11/22/21 12:13 | 1       |
| sec-Butylbenzene              | <0.000199 | U            | 0.00100 | 0.000199 mg/L |   |          | 11/22/21 12:13 | 1       |
| Styrene                       | <0.000623 | U            | 0.00100 | 0.000623 mg/L |   |          | 11/22/21 12:13 | 1       |
| tert-Butylbenzene             | <0.000195 | U            | 0.00100 | 0.000195 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.000327 | U            | 0.00100 | 0.000327 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.000284 | U            | 0.00100 | 0.000284 mg/L |   |          | 11/22/21 12:13 | 1       |
| Tetrachloroethene             | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 12:13 | 1       |
| Toluene                       | <0.000500 | U            | 0.00100 | 0.000500 mg/L |   |          | 11/22/21 12:13 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-31567/9

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 31567

| Analyte                   | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.000256 | U            | 0.00100 | 0.000256 mg/L |   |          | 11/22/21 12:13 | 1       |
| trans-1,3-Dichloropropene | <0.000752 | U            | 0.00500 | 0.000752 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 12:13 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00200  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/22/21 12:13 | 1       |
| 1,1,1-Trichloroethane     | <0.000504 | U            | 0.00500 | 0.000504 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,1,2-Trichloroethane     | <0.000228 | U            | 0.00100 | 0.000228 mg/L |   |          | 11/22/21 12:13 | 1       |
| Trichloroethene           | <0.000424 | U            | 0.00500 | 0.000424 mg/L |   |          | 11/22/21 12:13 | 1       |
| Trichlorofluoromethane    | <0.000245 | U            | 0.00100 | 0.000245 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2,3-Trichloropropane    | <0.000283 | U            | 0.00100 | 0.000283 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,2,4-Trimethylbenzene    | <0.000252 | U            | 0.00100 | 0.000252 mg/L |   |          | 11/22/21 12:13 | 1       |
| 1,3,5-Trimethylbenzene    | <0.000279 | U            | 0.00100 | 0.000279 mg/L |   |          | 11/22/21 12:13 | 1       |
| Vinyl chloride            | <0.000234 | U            | 0.00200 | 0.000234 mg/L |   |          | 11/22/21 12:13 | 1       |
| Xylenes, Total            | <0.000330 | U            | 0.0100  | 0.000330 mg/L |   |          | 11/22/21 12:13 | 1       |
| Total BTEX                | <0.00100  | U            | 0.0100  | 0.00100 mg/L  |   |          | 11/22/21 12:13 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 101          |              | 74 - 124 |          | 11/22/21 12:13 | 1       |
| Dibromofluoromethane (Surr)  | 104          |              | 75 - 131 |          | 11/22/21 12:13 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108          |              | 63 - 144 |          | 11/22/21 12:13 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 80 - 117 |          | 11/22/21 12:13 | 1       |

Lab Sample ID: LCS 860-31567/3

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 31567

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| Benzene                     | 0.0500      | 0.04859    |               | mg/L |   | 97   | 66 - 142     |
| Bromobenzene                | 0.0500      | 0.05259    |               | mg/L |   | 105  | 75 - 125     |
| Bromochloromethane          | 0.0500      | 0.05067    |               | mg/L |   | 101  | 60 - 140     |
| Bromodichloromethane        | 0.0500      | 0.05329    |               | mg/L |   | 107  | 75 - 125     |
| Bromoform                   | 0.0500      | 0.04763    |               | mg/L |   | 95   | 75 - 125     |
| Bromomethane                | 0.0500      | 0.04534    |               | mg/L |   | 91   | 60 - 140     |
| 2-Butanone                  | 0.250       | 0.2388     |               | mg/L |   | 96   | 60 - 140     |
| Carbon tetrachloride        | 0.0500      | 0.05447    |               | mg/L |   | 109  | 62 - 125     |
| Chlorobenzene               | 0.0500      | 0.05126    |               | mg/L |   | 103  | 60 - 133     |
| Chloroethane                | 0.0500      | 0.04404    |               | mg/L |   | 88   | 60 - 140     |
| Chloroform                  | 0.0500      | 0.05262    |               | mg/L |   | 105  | 70 - 130     |
| Chloromethane               | 0.0500      | 0.05185    |               | mg/L |   | 104  | 60 - 140     |
| 2-Chlorotoluene             | 0.0500      | 0.05209    |               | mg/L |   | 104  | 73 - 125     |
| 4-Chlorotoluene             | 0.0500      | 0.05279    |               | mg/L |   | 106  | 74 - 125     |
| cis-1,2-Dichloroethene      | 0.0500      | 0.05142    |               | mg/L |   | 103  | 75 - 125     |
| cis-1,3-Dichloropropene     | 0.0500      | 0.05042    |               | mg/L |   | 101  | 74 - 125     |
| Dibromochloromethane        | 0.0500      | 0.05466    |               | mg/L |   | 109  | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.04119    |               | mg/L |   | 82   | 59 - 125     |
| 1,2-Dibromoethane           | 0.0500      | 0.05039    |               | mg/L |   | 101  | 73 - 125     |
| 1,2-Dichlorobenzene         | 0.0500      | 0.04900    |               | mg/L |   | 98   | 75 - 125     |
| 1,3-Dichlorobenzene         | 0.0500      | 0.05240    |               | mg/L |   | 105  | 75 - 125     |
| 1,4-Dichlorobenzene         | 0.0500      | 0.05153    |               | mg/L |   | 103  | 75 - 125     |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCS 860-31567/3

Matrix: Water

Analysis Batch: 31567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Dichlorodifluoromethane       | 0.0500      | 0.04748    |               | mg/L |   | 95   | 70 - 130     |
| 1,1-Dichloroethane            | 0.0500      | 0.04919    |               | mg/L |   | 98   | 72 - 125     |
| 1,2-Dichloroethane            | 0.0500      | 0.05080    |               | mg/L |   | 102  | 68 - 127     |
| 1,1-Dichloroethene            | 0.0500      | 0.04815    |               | mg/L |   | 96   | 59 - 172     |
| 1,2-Dichloropropane           | 0.0500      | 0.04890    |               | mg/L |   | 98   | 74 - 125     |
| 1,3-Dichloropropane           | 0.0500      | 0.04924    |               | mg/L |   | 98   | 75 - 125     |
| 2,2-Dichloropropane           | 0.0500      | 0.05476    |               | mg/L |   | 110  | 75 - 125     |
| 1,1-Dichloropropene           | 0.0500      | 0.05151    |               | mg/L |   | 103  | 75 - 125     |
| Ethylbenzene                  | 0.0500      | 0.05261    |               | mg/L |   | 105  | 75 - 125     |
| Hexachlorobutadiene           | 0.0500      | 0.05560    |               | mg/L |   | 111  | 75 - 125     |
| Isopropylbenzene              | 0.0500      | 0.05229    |               | mg/L |   | 105  | 75 - 125     |
| Methylene Chloride            | 0.0500      | 0.04567    |               | mg/L |   | 91   | 75 - 125     |
| m,p-Xylenes                   | 0.0500      | 0.05122    |               | mg/L |   | 102  | 75 - 125     |
| MTBE                          | 0.0500      | 0.04686    |               | mg/L |   | 94   | 65 - 135     |
| Naphthalene                   | 0.0500      | 0.03627    |               | mg/L |   | 73   | 70 - 130     |
| n-Butylbenzene                | 0.0500      | 0.05327    |               | mg/L |   | 107  | 75 - 125     |
| N-Propylbenzene               | 0.0500      | 0.05335    |               | mg/L |   | 107  | 75 - 125     |
| o-Xylene                      | 0.0500      | 0.05187    |               | mg/L |   | 104  | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05342    |               | mg/L |   | 107  | 75 - 125     |
| sec-Butylbenzene              | 0.0500      | 0.05421    |               | mg/L |   | 108  | 75 - 125     |
| Styrene                       | 0.0500      | 0.05037    |               | mg/L |   | 101  | 75 - 125     |
| tert-Butylbenzene             | 0.0500      | 0.05106    |               | mg/L |   | 102  | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.05556    |               | mg/L |   | 111  | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04506    |               | mg/L |   | 90   | 74 - 125     |
| Tetrachloroethene             | 0.0500      | 0.05432    |               | mg/L |   | 109  | 71 - 125     |
| Toluene                       | 0.0500      | 0.05219    |               | mg/L |   | 104  | 59 - 139     |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04924    |               | mg/L |   | 98   | 75 - 125     |
| trans-1,3-Dichloropropene     | 0.0500      | 0.05336    |               | mg/L |   | 107  | 66 - 125     |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.03915    |               | mg/L |   | 78   | 75 - 137     |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.04514    |               | mg/L |   | 90   | 75 - 135     |
| 1,1,1-Trichloroethane         | 0.0500      | 0.05218    |               | mg/L |   | 104  | 75 - 125     |
| 1,1,2-Trichloroethane         | 0.0500      | 0.05099    |               | mg/L |   | 102  | 75 - 127     |
| Trichloroethene               | 0.0500      | 0.04974    |               | mg/L |   | 99   | 62 - 137     |
| Trichlorofluoromethane        | 0.0500      | 0.05449    |               | mg/L |   | 109  | 60 - 140     |
| 1,2,3-Trichloropropane        | 0.0500      | 0.04866    |               | mg/L |   | 97   | 75 - 125     |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.05208    |               | mg/L |   | 104  | 75 - 125     |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.05384    |               | mg/L |   | 108  | 60 - 140     |
| Vinyl chloride                | 0.0500      | 0.04448    |               | mg/L |   | 89   | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 99            |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 105           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 103           |               | 63 - 144 |
| Toluene-d8 (Surr)            | 103           |               | 80 - 117 |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-31567/4

Matrix: Water

Analysis Batch: 31567

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         | 0.04619        |                   | mg/L |   | 92   | 66 - 142        | 5   | 25           |
| Bromobenzene                  | 0.0500         | 0.04828        |                   | mg/L |   | 97   | 75 - 125        | 9   | 25           |
| Bromochloromethane            | 0.0500         | 0.04895        |                   | mg/L |   | 98   | 60 - 140        | 3   | 25           |
| Bromodichloromethane          | 0.0500         | 0.05154        |                   | mg/L |   | 103  | 75 - 125        | 3   | 25           |
| Bromoform                     | 0.0500         | 0.04739        |                   | mg/L |   | 95   | 75 - 125        | 0   | 25           |
| Bromomethane                  | 0.0500         | 0.03631        |                   | mg/L |   | 73   | 60 - 140        | 22  | 25           |
| 2-Butanone                    | 0.250          | 0.2286         |                   | mg/L |   | 91   | 60 - 140        | 4   | 25           |
| Carbon tetrachloride          | 0.0500         | 0.05077        |                   | mg/L |   | 102  | 62 - 125        | 7   | 25           |
| Chlorobenzene                 | 0.0500         | 0.04887        |                   | mg/L |   | 98   | 60 - 133        | 5   | 25           |
| Chloroethane                  | 0.0500         | 0.03808        |                   | mg/L |   | 76   | 60 - 140        | 15  | 25           |
| Chloroform                    | 0.0500         | 0.05008        |                   | mg/L |   | 100  | 70 - 130        | 5   | 25           |
| Chloromethane                 | 0.0500         | 0.04257        |                   | mg/L |   | 85   | 60 - 140        | 20  | 25           |
| 2-Chlorotoluene               | 0.0500         | 0.04664        |                   | mg/L |   | 93   | 73 - 125        | 11  | 25           |
| 4-Chlorotoluene               | 0.0500         | 0.04801        |                   | mg/L |   | 96   | 74 - 125        | 9   | 25           |
| cis-1,2-Dichloroethene        | 0.0500         | 0.04778        |                   | mg/L |   | 96   | 75 - 125        | 7   | 25           |
| cis-1,3-Dichloropropene       | 0.0500         | 0.05096        |                   | mg/L |   | 102  | 74 - 125        | 1   | 25           |
| Dibromochloromethane          | 0.0500         | 0.05218        |                   | mg/L |   | 104  | 73 - 125        | 5   | 25           |
| 1,2-Dibromo-3-Chloropropane   | 0.0500         | 0.03994        |                   | mg/L |   | 80   | 59 - 125        | 3   | 25           |
| 1,2-Dibromoethane             | 0.0500         | 0.04824        |                   | mg/L |   | 96   | 73 - 125        | 4   | 25           |
| 1,2-Dichlorobenzene           | 0.0500         | 0.04837        |                   | mg/L |   | 97   | 75 - 125        | 1   | 25           |
| 1,3-Dichlorobenzene           | 0.0500         | 0.04888        |                   | mg/L |   | 98   | 75 - 125        | 7   | 25           |
| 1,4-Dichlorobenzene           | 0.0500         | 0.04888        |                   | mg/L |   | 98   | 75 - 125        | 5   | 25           |
| Dichlorodifluoromethane       | 0.0500         | 0.04182        |                   | mg/L |   | 84   | 70 - 130        | 13  | 25           |
| 1,1-Dichloroethane            | 0.0500         | 0.04900        |                   | mg/L |   | 98   | 72 - 125        | 0   | 25           |
| 1,2-Dichloroethane            | 0.0500         | 0.05025        |                   | mg/L |   | 101  | 68 - 127        | 1   | 25           |
| 1,1-Dichloroethene            | 0.0500         | 0.04581        |                   | mg/L |   | 92   | 59 - 172        | 5   | 25           |
| 1,2-Dichloropropane           | 0.0500         | 0.04806        |                   | mg/L |   | 96   | 74 - 125        | 2   | 25           |
| 1,3-Dichloropropane           | 0.0500         | 0.04873        |                   | mg/L |   | 97   | 75 - 125        | 1   | 25           |
| 2,2-Dichloropropane           | 0.0500         | 0.05276        |                   | mg/L |   | 106  | 75 - 125        | 4   | 25           |
| 1,1-Dichloropropene           | 0.0500         | 0.04830        |                   | mg/L |   | 97   | 75 - 125        | 6   | 25           |
| Ethylbenzene                  | 0.0500         | 0.04933        |                   | mg/L |   | 99   | 75 - 125        | 6   | 25           |
| Hexachlorobutadiene           | 0.0500         | 0.05526        |                   | mg/L |   | 111  | 75 - 125        | 1   | 25           |
| Isopropylbenzene              | 0.0500         | 0.04686        |                   | mg/L |   | 94   | 75 - 125        | 11  | 25           |
| Methylene Chloride            | 0.0500         | 0.04687        |                   | mg/L |   | 94   | 75 - 125        | 3   | 25           |
| m,p-Xylenes                   | 0.0500         | 0.04942        |                   | mg/L |   | 99   | 75 - 125        | 4   | 25           |
| MTBE                          | 0.0500         | 0.04681        |                   | mg/L |   | 94   | 65 - 135        | 0   | 25           |
| Naphthalene                   | 0.0500         | 0.04127        |                   | mg/L |   | 83   | 70 - 130        | 13  | 25           |
| n-Butylbenzene                | 0.0500         | 0.05046        |                   | mg/L |   | 101  | 75 - 125        | 5   | 25           |
| N-Propylbenzene               | 0.0500         | 0.04923        |                   | mg/L |   | 98   | 75 - 125        | 8   | 25           |
| o-Xylene                      | 0.0500         | 0.05014        |                   | mg/L |   | 100  | 75 - 125        | 3   | 25           |
| p-Cymene (p-Isopropyltoluene) | 0.0500         | 0.04961        |                   | mg/L |   | 99   | 75 - 125        | 7   | 25           |
| sec-Butylbenzene              | 0.0500         | 0.04819        |                   | mg/L |   | 96   | 75 - 125        | 12  | 25           |
| Styrene                       | 0.0500         | 0.04863        |                   | mg/L |   | 97   | 75 - 125        | 3   | 25           |
| tert-Butylbenzene             | 0.0500         | 0.04690        |                   | mg/L |   | 94   | 75 - 125        | 8   | 25           |
| 1,1,1,2-Tetrachloroethane     | 0.0500         | 0.05092        |                   | mg/L |   | 102  | 72 - 125        | 9   | 25           |
| 1,1,2,2-Tetrachloroethane     | 0.0500         | 0.04386        |                   | mg/L |   | 88   | 74 - 125        | 3   | 25           |
| Tetrachloroethene             | 0.0500         | 0.05043        |                   | mg/L |   | 101  | 71 - 125        | 7   | 25           |
| Toluene                       | 0.0500         | 0.04907        |                   | mg/L |   | 98   | 59 - 139        | 6   | 25           |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-31567/4

Matrix: Water

Analysis Batch: 31567

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      | 0.04841     |                | mg/L |   | 97   | 75 - 125     | 2   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05149     |                | mg/L |   | 103  | 66 - 125     | 4   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.04569     |                | mg/L |   | 91   | 75 - 137     | 15  | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.04529     |                | mg/L |   | 91   | 75 - 135     | 0   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.04891     |                | mg/L |   | 98   | 75 - 125     | 6   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.04960     |                | mg/L |   | 99   | 75 - 127     | 3   | 25        |
| Trichloroethene           | 0.0500      | 0.04798     |                | mg/L |   | 96   | 62 - 137     | 4   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.04565     |                | mg/L |   | 91   | 60 - 140     | 18  | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.04495     |                | mg/L |   | 90   | 75 - 125     | 8   | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.04772     |                | mg/L |   | 95   | 75 - 125     | 9   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.04782     |                | mg/L |   | 96   | 60 - 140     | 12  | 25        |
| Vinyl chloride            | 0.0500      | 0.03675     |                | mg/L |   | 74   | 60 - 140     | 19  | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 94             |                | 74 - 124 |
| Dibromofluoromethane (Surr)  | 103            |                | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 104            |                | 63 - 144 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 117 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-31575/1-A

Matrix: Water

Analysis Batch: 31593

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31575

| 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 |   | 11/22/21 09:00 | 11/22/21 11:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <0.988    | U            | 5.00 | 0.988 mg/L |   | 11/22/21 09:00 | 11/22/21 11:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <0.954    | U            | 5.00 | 0.954 mg/L |   | 11/22/21 09:00 | 11/22/21 11:15 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 100          |              | 70 - 135 | 11/22/21 09:00 | 11/22/21 11:15 | 1       |
| o-Terphenyl    | 110          |              | 70 - 135 | 11/22/21 09:00 | 11/22/21 11:15 | 1       |

Lab Sample ID: LCS 860-31575/2-A

Matrix: Water

Analysis Batch: 31593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31575

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 100         | 98.95      |               | mg/L |   | 99   | 70 - 135     |
| Diesel Range Organics (Over C10-C28) | 100         | 99.56      |               | mg/L |   | 99   | 70 - 135     |

| Surrogate      | LCS %Recovery | LCS Qualifier | Limits   |
|----------------|---------------|---------------|----------|
| 1-Chlorooctane | 121           |               | 70 - 135 |
| o-Terphenyl    | 104           |               | 70 - 135 |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: LCSD 860-31575/3-A

Matrix: Water

Analysis Batch: 31593

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31575

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 100            | 104.5          |                | mg/L |   | 104  | 70 - 135     | 5   | 35        |
| Diesel Range Organics (Over C10-C28) | 100            | 104.2          |                | mg/L |   | 104  | 70 - 135     | 5   | 35        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |      |   |      |              |     |           |
| 1-Chlorooctane                       | 122            |                | 70 - 135       |      |   |      |              |     |           |
| o-Terphenyl                          | 104            |                | 70 - 135       |      |   |      |              |     |           |

Lab Sample ID: 880-8489-1 MS

Matrix: Water

Analysis Batch: 31593

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 31575

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.05          | J                | 90.0        | 97.39     |              | mg/L |   | 107  | 70 - 135     |     |           |
| Diesel Range Organics (Over C10-C28) | <0.969        | U                | 90.0        | 83.06     |              | mg/L |   | 92   | 70 - 135     |     |           |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |              |     |           |
| 1-Chlorooctane                       | 105           |                  | 70 - 135    |           |              |      |   |      |              |     |           |
| o-Terphenyl                          | 88            |                  | 70 - 135    |           |              |      |   |      |              |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-31482/15

Matrix: Water

Analysis Batch: 31482

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB Result | MB Qualifier | RL    | Unit       | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|-------|------------|---|----------|----------------|---------|
| Chloride | <0.200    | U            | 0.500 | 0.200 mg/L |   |          | 11/20/21 16:15 | 1       |
| Fluoride | <0.100    | U            | 0.500 | 0.100 mg/L |   |          | 11/20/21 16:15 | 1       |
| Sulfate  | <0.109    | U            | 0.500 | 0.109 mg/L |   |          | 11/20/21 16:15 | 1       |

Lab Sample ID: LCS 860-31482/16

Matrix: Water

Analysis Batch: 31482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Chloride | 10.0        | 10.42      |               | mg/L |   | 104  | 90 - 110     |     |           |
| Fluoride | 10.0        | 10.69      |               | mg/L |   | 107  | 90 - 110     |     |           |
| Sulfate  | 10.0        | 10.62      |               | mg/L |   | 106  | 90 - 110     |     |           |

Lab Sample ID: LCSD 860-31482/17

Matrix: Water

Analysis Batch: 31482

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        | 10.27       |                | mg/L |   | 103  | 90 - 110     | 1   | 20        |
| Fluoride | 10.0        | 10.67       |                | mg/L |   | 107  | 90 - 110     | 0   | 20        |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-31482/17

Matrix: Water

Analysis Batch: 31482

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        | 10.60       |                | mg/L |   | 106  | 90 - 110     | 0   | 20        |

Lab Sample ID: 880-8489-2 MS

Matrix: Water

Analysis Batch: 31482

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 | RPD | RPD Limit |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|-----|-----------|
| Chloride | 103           |                  | 10.0        | 110.8     | 4            | mg/L |   | 79   | 90 - 110     |     |           |
| Fluoride | <0.100        | U                | 10.0        | 9.808     |              | mg/L |   | 98   | 90 - 110     |     |           |
| Sulfate  | 98.1          |                  | 10.0        | 106.5     | 4            | mg/L |   | 84   | 90 - 110     |     |           |

Lab Sample ID: 880-8489-2 MSD

Matrix: Water

Analysis Batch: 31482

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 |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Chloride | 103           |                  | 10.0        | 111.0      | 4             | mg/L |   | 81   | 90 - 110     | 0   | 20        |
| Fluoride | <0.100        | U                | 10.0        | 9.836      |               | mg/L |   | 98   | 90 - 110     | 0   | 20        |
| Sulfate  | 98.1          |                  | 10.0        | 106.5      | 4             | mg/L |   | 85   | 90 - 110     | 0   | 20        |

Lab Sample ID: MB 860-31483/15

Matrix: Water

Analysis Batch: 31483

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 |          | 11/20/21 16:15 | 1       |
| Nitrite as N | <0.0293   | U            | 0.100 | 0.0293 | mg/L |          | 11/20/21 16:15 | 1       |

Lab Sample ID: LCS 860-31483/16

Matrix: Water

Analysis Batch: 31483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Nitrate as N | 10.0        | 10.51      |               | mg/L |   | 105  | 80 - 120     |     |           |
| Nitrite as N | 5.00        | 5.291      |               | mg/L |   | 106  | 80 - 120     |     |           |

Lab Sample ID: LCSD 860-31483/17

Matrix: Water

Analysis Batch: 31483

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        | 10.49       |                | mg/L |   | 105  | 80 - 120     | 0   | 20        |
| Nitrite as N | 5.00        | 5.289       |                | mg/L |   | 106  | 80 - 120     | 0   | 20        |

Lab Sample ID: 880-8489-2 MS

Matrix: Water

Analysis Batch: 31483

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 | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|-----|-----------|
| Nitrate as N | 0.600         |                  | 10.0        | 10.71     |              | mg/L |   | 101  | 80 - 120     |     |           |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: 880-8489-2 MS

Matrix: Water

Analysis Batch: 31483

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 |
|--------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Nitrite as N | 1.28          |                  | 5.00        | 6.392     |              | mg/L |   | 102  | 80 - 120     |

Lab Sample ID: 880-8489-2 MSD

Matrix: Water

Analysis Batch: 31483

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 |
|--------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Nitrate as N | 0.600         | J H              | 10.0        | 10.77      |               | mg/L |   | 99   | 80 - 120     | 1   | 15        |
| Nitrite as N | 1.28          | H                | 5.00        | 6.422      |               | mg/L |   | 93   | 80 - 120     | 0   | 15        |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-32158/10

Matrix: Water

Analysis Batch: 32158

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 |   |          | 11/24/21 19:55 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/24/21 19:55 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 11/24/21 19:55 | 1       |

Lab Sample ID: LCS 860-32158/11

Matrix: Water

Analysis Batch: 32158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|------|---|------|--------------|
| Alkalinity | 250         | 256.9      |               | mg/L |   | 103  | 85 - 115     |

Lab Sample ID: LCSD 860-32158/12

Matrix: Water

Analysis Batch: 32158

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         | 255.4       |                | mg/L |   | 102  | 85 - 115     | 1   | 20        |

## Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-31800/1

Matrix: Water

Analysis Batch: 31800

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 |   |          | 11/23/21 15:22 | 1       |

Lab Sample ID: LCS 860-31800/2

Matrix: Water

Analysis Batch: 31800

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfide | 51.4        | 48.80      |               | mg/L |   | 95   | 80 - 120     |

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## QC Sample Results

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

## Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: LCSD 860-31800/3

Matrix: Water

Analysis Batch: 31800

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 |  |  | 51.4           | 49.00          |                   | mg/L |   | 95   | 80 - 120        | 0   | 20           |

Lab Sample ID: 880-8489-1 MS

Matrix: Water

Analysis Batch: 31800

Client Sample ID: MW-1

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                   | 51.4           | 49.60        |                 | mg/L |   | 97   | 80 - 120        |  |  |

Lab Sample ID: 880-8489-1 MSD

Matrix: Water

Analysis Batch: 31800

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------|------------------|---------------------|----------------|---------------|------------------|------|---|------|-----------------|-----|--------------|
| Sulfide | <0.495           | U                   | 51.4           | 49.40         |                  | mg/L |   | 96   | 80 - 120        | 0   | 20           |

Lab Sample ID: MB 860-31985/1

Matrix: Water

Analysis Batch: 31985

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 |   |          | 11/23/21 17:07 | 1       |

Lab Sample ID: LCS 860-31985/2

Matrix: Water

Analysis Batch: 31985

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 |  |  | 51.4           | 49.00         |                  | mg/L |   | 95   | 80 - 120        |  |  |

Lab Sample ID: LCSD 860-31985/3

Matrix: Water

Analysis Batch: 31985

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 |  |  | 51.4           | 48.80          |                   | mg/L |   | 95   | 80 - 120        | 0   | 20           |

Lab Sample ID: 880-8489-2 MS

Matrix: Water

Analysis Batch: 31985

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                   | 51.4           | 48.40        |                 | mg/L |   | 94   | 80 - 120        |  |  |

Lab Sample ID: 880-8489-2 MSD

Matrix: Water

Analysis Batch: 31985

Client Sample ID: MW-2

Prep Type: Total/NA

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------|------------------|---------------------|----------------|---------------|------------------|------|---|------|-----------------|-----|--------------|
| Sulfide | <0.495           | U                   | 51.4           | 48.40         |                  | mg/L |   | 94   | 80 - 120        | 0   | 20           |

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## QC Association Summary

Client: Ensolum

Job ID: 880-8489-1

Project/Site: South Hobbs - 03B1417002

## GC/MS VOA

## Analysis Batch: 31567

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-8489-1       | MW-1                   | Total/NA  | Water  | 8260C  |            |
| 880-8489-2       | MW-2                   | Total/NA  | Water  | 8260C  |            |
| 880-8489-2       | MW-2                   | Total/NA  | Water  | 8260C  |            |
| MB 860-31567/9   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-31567/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-31567/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## GC Semi VOA

## Analysis Batch: 30310

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-8489-1    | MW-1             | Total/NA  | Water  | 8015 NM |            |
| 880-8489-2    | MW-2             | Total/NA  | Water  | 8015 NM |            |

## Prep Batch: 31575

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| 880-8489-1         | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-8489-2 - RA    | MW-2                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 860-31575/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 860-31575/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 860-31575/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-8489-1 MS      | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |

## Analysis Batch: 31593

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-8489-1         | MW-1                   | Total/NA  | Water  | 8015B NM | 31575      |
| 880-8489-2 - RA    | MW-2                   | Total/NA  | Water  | 8015B NM | 31575      |
| MB 860-31575/1-A   | Method Blank           | Total/NA  | Water  | 8015B NM | 31575      |
| LCS 860-31575/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 31575      |
| LCSD 860-31575/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 31575      |
| 880-8489-1 MS      | MW-1                   | Total/NA  | Water  | 8015B NM | 31575      |

## HPLC/IC

## Analysis Batch: 31482

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-8489-1        | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-8489-2        | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-31482/15   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-31482/16  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-31482/17 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| 880-8489-2 MS     | MW-2                   | Total/NA  | Water  | 300.0  |            |
| 880-8489-2 MSD    | MW-2                   | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 31483

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-8489-1        | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 880-8489-2        | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-31483/15   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-31483/16  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-31483/17 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| 880-8489-2 MS     | MW-2                   | Total/NA  | Water  | 300.0  |            |

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## QC Association Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8489-1

## HPLC/IC (Continued)

## Analysis Batch: 31483 (Continued)

| Lab Sample ID  | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|--------|------------|
| 880-8489-2 MSD | MW-2             | Total/NA  | Water  | 300.0  |            |

## General Chemistry

## Analysis Batch: 31633

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 880-8489-1    | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |
| 880-8489-2    | MW-2             | Total/NA  | Water  | SM 4500 H+ B |            |

## Analysis Batch: 31800

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|------------------|------------------------|-----------|--------|--------------|------------|
| 880-8489-1       | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| MB 860-31800/1   | Method Blank           | Total/NA  | Water  | SM 4500 S2 F |            |
| LCS 860-31800/2  | Lab Control Sample     | Total/NA  | Water  | SM 4500 S2 F |            |
| LCSD 860-31800/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-8489-1 MS    | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-8489-1 MSD   | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |

## Analysis Batch: 31985

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|------------------|------------------------|-----------|--------|--------------|------------|
| 880-8489-2       | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| MB 860-31985/1   | Method Blank           | Total/NA  | Water  | SM 4500 S2 F |            |
| LCS 860-31985/2  | Lab Control Sample     | Total/NA  | Water  | SM 4500 S2 F |            |
| LCSD 860-31985/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-8489-2 MS    | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 880-8489-2 MSD   | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |

## Analysis Batch: 32158

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 880-8489-1        | MW-1                   | Total/NA  | Water  | SM 2320B |            |
| 880-8489-2        | MW-2                   | Total/NA  | Water  | SM 2320B |            |
| MB 860-32158/10   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-32158/11  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-32158/12 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

## Analysis Batch: 32200

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method        | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 880-8489-1    | MW-1             | Total/NA  | Water  | SM 4500 CO2 D |            |
| 880-8489-2    | MW-2             | Total/NA  | Water  | SM 4500 CO2 D |            |

Eurofins Xenco, Midland

Lab Chronicle

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8489-1

**Client Sample ID: MW-1**  
**Date Collected: 11/18/21 13:05**  
**Date Received: 11/19/21 08:42**

**Lab Sample ID: 880-8489-1**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 31567        | 11/22/21 12:51       | EM      | XEN STF |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 30310        | 11/22/21 17:16       | DD      | XEN STF |
| Total/NA  | Prep       | 8015NM Aq Prep |     |                 | 31575        | 11/22/21 09:00       | SAR     | XEN STF |
| Total/NA  | Analysis   | 8015B NM       |     | 1               | 31593        | 11/22/21 12:09       | IS      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 31482        | 11/20/21 14:16       | WP      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 31483        | 11/20/21 14:16       | ANP     | XEN STF |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 32158        | 11/24/21 20:46       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 32200        | 11/29/21 16:09       | AA      | XEN STF |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 31633        | 11/22/21 14:50       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 31800        | 11/23/21 15:22       | YVD     | XEN STF |

**Client Sample ID: MW-2**  
**Date Collected: 11/18/21 14:40**  
**Date Received: 11/19/21 08:42**

**Lab Sample ID: 880-8489-2**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method   | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C          |     | 1               | 31567        | 11/22/21 13:10       | EM      | XEN STF |
| Total/NA  | Analysis   | 8260C          |     | 10              | 31567        | 11/22/21 15:06       | EM      | XEN STF |
| Total/NA  | Analysis   | 8015 NM        |     | 1               | 30310        | 11/22/21 17:16       | DD      | XEN STF |
| Total/NA  | Prep       | 8015NM Aq Prep | RA  |                 | 31575        | 11/22/21 09:00       | SAR     | XEN STF |
| Total/NA  | Analysis   | 8015B NM       | RA  | 1               | 31593        | 11/22/21 14:38       | IS      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 31482        | 11/20/21 14:26       | WP      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1               | 31483        | 11/20/21 14:26       | ANP     | XEN STF |
| Total/NA  | Analysis   | SM 2320B       |     | 1               | 32158        | 11/24/21 21:02       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1               | 32200        | 11/29/21 16:09       | AA      | XEN STF |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1               | 31633        | 11/22/21 14:50       | JP      | XEN STF |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1               | 31985        | 11/23/21 17:07       | YVD     | XEN STF |

**Laboratory References:**  
XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8489-1

Laboratory: Eurofins Xenco, Stafford

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-21-44      | 06-30-22        |

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)    |
| 8260C           |                | Water  | Total BTEX                           |
| 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: 880-8489-1

| Method         | Method Description                                    | Protocol | Laboratory |
|----------------|-------------------------------------------------------|----------|------------|
| 8260C          | Volatile Organic Compounds by GC/MS                   | SW846    | XEN STF    |
| 8015 NM        | Diesel Range Organics (DRO) (GC)                      | SW846    | XEN STF    |
| 8015B NM       | Diesel Range Organics (DRO) (GC)                      | SW846    | XEN STF    |
| 300.0          | Anions, Ion Chromatography                            | MCAWW    | XEN STF    |
| SM 2320B       | Alkalinity                                            | SM       | XEN STF    |
| SM 4500 CO2 D  | Carbon Dioxide and Forms of Alkalinity by Calculation | SM       | XEN STF    |
| SM 4500 H+ B   | pH                                                    | SM       | XEN STF    |
| SM 4500 S2 F   | Sulfide, Total                                        | SM       | XEN STF    |
| 5030C          | Purge and Trap                                        | SW846    | XEN STF    |
| 8015NM Aq Prep | Microextraction                                       | SW846    | XEN STF    |

**Protocol References:**

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:**

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

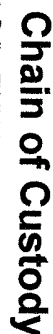
Sample Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 880-8489-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-8489-1    | MW-1             | Water  | 11/18/21 13:05 | 11/19/21 08:42 |
| 880-8489-2    | MW-2             | Water  | 11/18/21 14:40 | 11/19/21 08:42 |

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WC



880-8489 Chain of Custody

[illegible]

**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 ☐

| Analysis Request                                              |  | Work Order Notes |
|---------------------------------------------------------------|--|------------------|
| Number of Containers                                          |  |                  |
| Dissolved Carbon Dioxide 4500 CO <sub>2</sub> c               |  |                  |
| Dissolved Sulfide SW-846 #376.2                               |  |                  |
| SW-846 #8260                                                  |  |                  |
| EPA Method #8015                                              |  |                  |
| EPA Method #846 300                                           |  |                  |
| SW-846 Method 150.1                                           |  |                  |
|                                                               |  |                  |
|                                                               |  |                  |
|                                                               |  |                  |
|                                                               |  |                  |
|                                                               |  |                  |
|                                                               |  |                  |
|                                                               |  |                  |
| 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 Metal(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 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|------------------------------|--------------------------|-----------|
|  |  | 11/19/21 8:42 |                              |                          |           |
|                                                                                   |                                                                                   |               |                              |                          |           |
|                                                                                   |                                                                                   |               |                              |                          |           |
|                                                                                   |                                                                                   |               |                              |                          |           |
|                                                                                   |                                                                                   |               |                              |                          |           |

## CUSTODY SEAL



ENVIRONMENTAL SAMPLING SUPPLY  
www.essvial.com 800-233-8425

Date: 11-19-2021

Signature: [Handwritten Signature]

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## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-8489-1

Login Number: 8489

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Kramer, Jessica

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-8489-1

Login Number: 8489

List Source: Eurofins Xenco, Stafford

List Number: 2

List Creation: 11/20/21 10:57 AM

Creator: Palmar, Pedro

| 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 America

### ANALYTICAL REPORT

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

Laboratory Job ID: 890-1641-1

Client Project/Site: Levey Well Hobb NM - 03B1417001

**For:**

Ensolum  
705 W. Wadley  
Suite 210  
Midland, Texas 79701

Attn: Beaux Jennings

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
12/6/2021 9:21:12 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

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

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

Laboratory Job ID: 890-1641-1

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## Definitions/Glossary

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

## 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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| H         | Sample was prepped or analyzed beyond the specified holding time                                               |
| 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. |
| E         | Result exceeded calibration range.                                                                                                                        |
| 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                        |

Eurofins Xenco, Carlsbad

Definitions/Glossary

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

Job ID: 890-1641-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|-----------------------------------------------------------------------------|
| TEF          | Toxicity Equivalent Factor (Dioxin)                                         |
| TEQ          | Toxicity Equivalent Quotient (Dioxin)                                       |
| TNTC         | Too Numerous To Count                                                       |

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Case Narrative

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

Job ID: 890-1641-1

Job ID: 890-1641-1

Laboratory: Eurofins Xenco, Carlsbad

| Narrative                   |  |
|-----------------------------|--|
| Job Narrative<br>890-1641-1 |  |

Receipt

The sample was received on 11/24/2021 12:24 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 3.4°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\_ORGFMS: The following sample was received outside of holding time: Levey Well (890-1641-1).

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 calcium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 860-32426 and analytical batch 860-32608 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) 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.

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## Client Sample Results

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

Client Sample ID: Levey Well

Lab Sample ID: 890-1641-1

Date Collected: 11/24/21 03:30

Matrix: Water

Date Received: 11/24/21 12:24

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

| Analyte                              | Result          | Qualifier | RL      | Unit     | D    | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------|---------|----------|------|----------|----------------|---------|
| <b>Benzene</b>                       | <b>0.00331</b>  |           | 0.00100 | 0.000214 | mg/L |          | 11/30/21 15:02 | 1       |
| Bromobenzene                         | <0.00100        | U         | 0.00100 | 0.000300 | mg/L |          | 11/30/21 15:02 | 1       |
| Bromochloromethane                   | <0.00100        | U         | 0.00100 | 0.000209 | mg/L |          | 11/30/21 15:02 | 1       |
| Bromodichloromethane                 | <0.00100        | U         | 0.00100 | 0.000231 | mg/L |          | 11/30/21 15:02 | 1       |
| Bromoform                            | <0.00500        | U         | 0.00500 | 0.000630 | mg/L |          | 11/30/21 15:02 | 1       |
| Bromomethane                         | <0.00500        | U         | 0.00500 | 0.00105  | mg/L |          | 11/30/21 15:02 | 1       |
| <b>2-Butanone</b>                    | <b>0.00520</b>  | <b>J</b>  | 0.0500  | 0.00270  | mg/L |          | 11/30/21 15:02 | 1       |
| Carbon tetrachloride                 | <0.00500        | U         | 0.00500 | 0.000423 | mg/L |          | 11/30/21 15:02 | 1       |
| Chlorobenzene                        | <0.00100        | U         | 0.00100 | 0.000159 | mg/L |          | 11/30/21 15:02 | 1       |
| Chloroethane                         | <0.0100         | U         | 0.0100  | 0.000433 | mg/L |          | 11/30/21 15:02 | 1       |
| Chloroform                           | <0.00100        | U         | 0.00100 | 0.000259 | mg/L |          | 11/30/21 15:02 | 1       |
| Chloromethane                        | <0.0100         | U         | 0.0100  | 0.000318 | mg/L |          | 11/30/21 15:02 | 1       |
| 2-Chlorotoluene                      | <0.00100        | U         | 0.00100 | 0.000214 | mg/L |          | 11/30/21 15:02 | 1       |
| 4-Chlorotoluene                      | <0.00100        | U         | 0.00100 | 0.000183 | mg/L |          | 11/30/21 15:02 | 1       |
| cis-1,2-Dichloroethene               | <0.00100        | U         | 0.00100 | 0.000174 | mg/L |          | 11/30/21 15:02 | 1       |
| cis-1,3-Dichloropropene              | <0.00500        | U         | 0.00500 | 0.000690 | mg/L |          | 11/30/21 15:02 | 1       |
| Dibromochloromethane                 | <0.00500        | U         | 0.00500 | 0.000739 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,2-Dibromo-3-Chloropropane          | <0.00500        | U         | 0.00500 | 0.000319 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,2-Dibromoethane                    | <0.00500        | U         | 0.00500 | 0.000337 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,2-Dichlorobenzene                  | <0.00100        | U         | 0.00100 | 0.000236 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,3-Dichlorobenzene                  | <0.00100        | U         | 0.00100 | 0.000197 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,4-Dichlorobenzene                  | <0.00100        | U         | 0.00100 | 0.000199 | mg/L |          | 11/30/21 15:02 | 1       |
| Dichlorodifluoromethane              | <0.00100        | U         | 0.00100 | 0.000316 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,1-Dichloroethane                   | <0.00100        | U         | 0.00100 | 0.000244 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,2-Dichloroethane                   | <0.00100        | U         | 0.00100 | 0.000285 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,1-Dichloroethene                   | <0.00100        | U         | 0.00100 | 0.000216 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,2-Dichloropropane                  | <0.00500        | U         | 0.00500 | 0.000396 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,3-Dichloropropane                  | <0.00500        | U         | 0.00500 | 0.000439 | mg/L |          | 11/30/21 15:02 | 1       |
| 2,2-Dichloropropane                  | <0.00500        | U         | 0.00500 | 0.000360 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,1-Dichloropropene                  | <0.00500        | U         | 0.00500 | 0.000481 | mg/L |          | 11/30/21 15:02 | 1       |
| <b>Ethylbenzene</b>                  | <b>0.0130</b>   |           | 0.00100 | 0.000515 | mg/L |          | 11/30/21 15:02 | 1       |
| Hexachlorobutadiene                  | <0.00500        | U         | 0.00500 | 0.00200  | mg/L |          | 11/30/21 15:02 | 1       |
| <b>Isopropylbenzene</b>              | <b>0.00616</b>  |           | 0.00100 | 0.000161 | mg/L |          | 11/30/21 15:02 | 1       |
| Methylene Chloride                   | <0.00500        | U         | 0.00500 | 0.00191  | mg/L |          | 11/30/21 15:02 | 1       |
| <b>m,p-Xylenes</b>                   | <b>0.0522</b>   |           | 0.0100  | 0.000330 | mg/L |          | 11/30/21 15:02 | 1       |
| MTBE                                 | <0.00500        | U         | 0.00500 | 0.000571 | mg/L |          | 11/30/21 15:02 | 1       |
| Naphthalene                          | <0.0100         | U         | 0.0100  | 0.00200  | mg/L |          | 11/30/21 15:02 | 1       |
| n-Butylbenzene                       | <0.00100        | U         | 0.00100 | 0.000286 | mg/L |          | 11/30/21 15:02 | 1       |
| <b>N-Propylbenzene</b>               | <b>0.00348</b>  |           | 0.00100 | 0.000179 | mg/L |          | 11/30/21 15:02 | 1       |
| <b>o-Xylene</b>                      | <b>0.00783</b>  |           | 0.00100 | 0.000192 | mg/L |          | 11/30/21 15:02 | 1       |
| <b>p-Cymene (p-Isopropyltoluene)</b> | <b>0.000773</b> | <b>J</b>  | 0.00100 | 0.000233 | mg/L |          | 11/30/21 15:02 | 1       |
| sec-Butylbenzene                     | <0.00100        | U         | 0.00100 | 0.000199 | mg/L |          | 11/30/21 15:02 | 1       |
| Styrene                              | <0.00100        | U         | 0.00100 | 0.000623 | mg/L |          | 11/30/21 15:02 | 1       |
| tert-Butylbenzene                    | <0.00100        | U         | 0.00100 | 0.000195 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,1,1,2-Tetrachloroethane            | <0.00100        | U         | 0.00100 | 0.000327 | mg/L |          | 11/30/21 15:02 | 1       |
| 1,1,2,2-Tetrachloroethane            | <0.00100        | U         | 0.00100 | 0.000284 | mg/L |          | 11/30/21 15:02 | 1       |
| Tetrachloroethene                    | <0.00100        | U         | 0.00100 | 0.000500 | mg/L |          | 11/30/21 15:02 | 1       |
| <b>Toluene</b>                       | <b>0.0267</b>   |           | 0.00100 | 0.000500 | mg/L |          | 11/30/21 15:02 | 1       |
| trans-1,2-Dichloroethene             | <0.00100        | U         | 0.00100 | 0.000256 | mg/L |          | 11/30/21 15:02 | 1       |

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## Client Sample Results

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

## Client Sample ID: Levey Well

Lab Sample ID: 890-1641-1

Date Collected: 11/24/21 03:30

Matrix: Water

Date Received: 11/24/21 12:24

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

| Analyte                   | Result   | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.00500 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/30/21 15:02 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00500 | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 15:02 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00500 | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 15:02 | 1       |
| 1,1,1-Trichloroethane     | <0.00500 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/30/21 15:02 | 1       |
| 1,1,2-Trichloroethane     | <0.00100 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/30/21 15:02 | 1       |
| Trichloroethene           | <0.00500 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/30/21 15:02 | 1       |
| Trichlorofluoromethane    | <0.00100 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/30/21 15:02 | 1       |
| 1,2,3-Trichloropropane    | <0.00100 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/30/21 15:02 | 1       |
| 1,2,4-Trimethylbenzene    | 0.0230   |           | 0.00100 | 0.000252 mg/L |   |          | 11/30/21 15:02 | 1       |
| 1,3,5-Trimethylbenzene    | 0.00670  |           | 0.00100 | 0.000279 mg/L |   |          | 11/30/21 15:02 | 1       |
| Vinyl chloride            | <0.00200 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/30/21 15:02 | 1       |
| Xylenes, Total            | 0.0600   |           | 0.0100  | 0.000330 mg/L |   |          | 11/30/21 15:02 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 102       |           | 74 - 124 |          | 11/30/21 15:02 | 1       |
| Dibromofluoromethane (Surr)  | 98        |           | 75 - 131 |          | 11/30/21 15:02 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 63 - 144 |          | 11/30/21 15:02 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 117 |          | 11/30/21 15:02 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|-------------|---|----------|----------------|---------|
| Bromide      | 0.455  | J         | 0.500 | 0.0711 mg/L |   |          | 12/01/21 03:20 | 1       |
| Nitrate as N | 0.203  | H         | 0.100 | 0.0391 mg/L |   |          | 12/01/21 03:20 | 1       |
| Chloride     | 232    |           | 0.500 | 0.200 mg/L  |   |          | 12/01/21 03:20 | 1       |
| Nitrite as N | 0.718  | H B       | 0.100 | 0.0293 mg/L |   |          | 12/01/21 03:20 | 1       |
| Fluoride     | 0.646  |           | 0.500 | 0.100 mg/L  |   |          | 12/01/21 03:20 | 1       |
| Sulfate      | 41.9   |           | 0.500 | 0.109 mg/L  |   |          | 12/01/21 03:20 | 1       |

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

| Analyte   | Result | Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | 253    |           | 10.0  | 1.47 mg/L   |   | 12/01/21 09:00 | 12/02/21 05:27 | 50      |
| Magnesium | 52.5   |           | 0.200 | 0.0500 mg/L |   | 12/01/21 09:00 | 12/02/21 05:08 | 1       |
| Potassium | 4.07   |           | 0.500 | 0.107 mg/L  |   | 12/01/21 09:00 | 12/02/21 05:08 | 1       |
| Sodium    | 76.6   |           | 0.500 | 0.0667 mg/L |   | 12/01/21 09:00 | 12/02/21 05:08 | 1       |
| SiO2      | 61.2   |           | 1.07  | 0.0781 mg/L |   | 12/01/21 09:00 | 12/02/21 05:08 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Anion/Cation Balance            | -0.200 |           |      | %         |   |          | 12/03/21 17:51 | 1       |
| Percent Difference              | -0.200 |           |      | %         |   |          | 12/03/21 17:51 | 1       |
| Alkalinity                      | 546    |           | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 546    |           | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Hydroxide Alkalinity            | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Phenolphthalein Alkalinity      | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Total Dissolved Solids          | 1240   |           | 20.0 | 20.0 mg/L |   |          | 11/30/21 19:15 | 1       |
| pH                              | 6.6    | HF        |      | SU        |   |          | 11/30/21 19:37 | 1       |
| Temperature                     | 19.8   | HF        |      | Celsius   |   |          | 11/30/21 19:37 | 1       |

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Surrogate Summary

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

Job ID: 890-1641-1

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                                            | DBFM     | DCA      | TOL      |
|                                    |                        | (74-124)                                       | (75-131) | (63-144) | (80-117) |
| 890-1641-1                         | Levey Well             | 102                                            | 98       | 103      | 102      |
| LCS 860-32248/3                    | Lab Control Sample     | 97                                             | 100      | 98       | 97       |
| LCSD 860-32248/4                   | Lab Control Sample Dup | 99                                             | 99       | 97       | 97       |
| MB 860-32248/10                    | Method Blank           | 99                                             | 100      | 103      | 99       |
| Surrogate Legend                   |                        |                                                |          |          |          |
| BFB = 4-Bromofluorobenzene (Surr)  |                        |                                                |          |          |          |
| DBFM = Dibromofluoromethane (Surr) |                        |                                                |          |          |          |
| DCA = 1,2-Dichloroethane-d4 (Surr) |                        |                                                |          |          |          |
| TOL = Toluene-d8 (Surr)            |                        |                                                |          |          |          |

## QC Sample Results

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

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

Lab Sample ID: MB 860-32248/10

Matrix: Water

Analysis Batch: 32248

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.00100  | U            | 0.00100 | 0.000214 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromobenzene                  | <0.00100  | U            | 0.00100 | 0.000300 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromochloromethane            | <0.00100  | U            | 0.00100 | 0.000209 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromodichloromethane          | <0.00100  | U            | 0.00100 | 0.000231 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromoform                     | <0.00500  | U            | 0.00500 | 0.000630 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromomethane                  | <0.00500  | U            | 0.00500 | 0.00105 mg/L  |   |          | 11/30/21 11:16 | 1       |
| 2-Butanone                    | <0.0500   | U            | 0.0500  | 0.00270 mg/L  |   |          | 11/30/21 11:16 | 1       |
| Carbon tetrachloride          | <0.00500  | U            | 0.00500 | 0.000423 mg/L |   |          | 11/30/21 11:16 | 1       |
| Chlorobenzene                 | <0.00100  | U            | 0.00100 | 0.000159 mg/L |   |          | 11/30/21 11:16 | 1       |
| Chloroethane                  | <0.0100   | U            | 0.0100  | 0.000433 mg/L |   |          | 11/30/21 11:16 | 1       |
| Chloroform                    | <0.00100  | U            | 0.00100 | 0.000259 mg/L |   |          | 11/30/21 11:16 | 1       |
| Chloromethane                 | <0.0100   | U            | 0.0100  | 0.000318 mg/L |   |          | 11/30/21 11:16 | 1       |
| 2-Chlorotoluene               | <0.00100  | U            | 0.00100 | 0.000214 mg/L |   |          | 11/30/21 11:16 | 1       |
| 4-Chlorotoluene               | <0.00100  | U            | 0.00100 | 0.000183 mg/L |   |          | 11/30/21 11:16 | 1       |
| cis-1,2-Dichloroethene        | <0.00100  | U            | 0.00100 | 0.000174 mg/L |   |          | 11/30/21 11:16 | 1       |
| cis-1,3-Dichloropropene       | <0.00500  | U            | 0.00500 | 0.000690 mg/L |   |          | 11/30/21 11:16 | 1       |
| Dibromochloromethane          | <0.00500  | U            | 0.00500 | 0.000739 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00500  | U            | 0.00500 | 0.000319 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dibromoethane             | <0.00500  | U            | 0.00500 | 0.000337 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dichlorobenzene           | <0.00100  | U            | 0.00100 | 0.000236 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,3-Dichlorobenzene           | <0.00100  | U            | 0.00100 | 0.000197 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,4-Dichlorobenzene           | <0.00100  | U            | 0.00100 | 0.000199 mg/L |   |          | 11/30/21 11:16 | 1       |
| Dichlorodifluoromethane       | <0.00100  | U            | 0.00100 | 0.000316 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1-Dichloroethane            | <0.00100  | U            | 0.00100 | 0.000244 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dichloroethane            | <0.00100  | U            | 0.00100 | 0.000285 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1-Dichloroethene            | <0.00100  | U            | 0.00100 | 0.000216 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dichloropropane           | <0.00500  | U            | 0.00500 | 0.000396 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,3-Dichloropropane           | <0.00500  | U            | 0.00500 | 0.000439 mg/L |   |          | 11/30/21 11:16 | 1       |
| 2,2-Dichloropropane           | <0.00500  | U            | 0.00500 | 0.000360 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1-Dichloropropene           | <0.00500  | U            | 0.00500 | 0.000481 mg/L |   |          | 11/30/21 11:16 | 1       |
| Ethylbenzene                  | <0.00100  | U            | 0.00100 | 0.000515 mg/L |   |          | 11/30/21 11:16 | 1       |
| Hexachlorobutadiene           | <0.00500  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 11:16 | 1       |
| Isopropylbenzene              | <0.00100  | U            | 0.00100 | 0.000161 mg/L |   |          | 11/30/21 11:16 | 1       |
| Methylene Chloride            | <0.00500  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/30/21 11:16 | 1       |
| m,p-Xylenes                   | <0.0100   | U            | 0.0100  | 0.000330 mg/L |   |          | 11/30/21 11:16 | 1       |
| MTBE                          | <0.00500  | U            | 0.00500 | 0.000571 mg/L |   |          | 11/30/21 11:16 | 1       |
| Naphthalene                   | <0.0100   | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/30/21 11:16 | 1       |
| n-Butylbenzene                | <0.00100  | U            | 0.00100 | 0.000286 mg/L |   |          | 11/30/21 11:16 | 1       |
| N-Propylbenzene               | <0.00100  | U            | 0.00100 | 0.000179 mg/L |   |          | 11/30/21 11:16 | 1       |
| o-Xylene                      | <0.00100  | U            | 0.00100 | 0.000192 mg/L |   |          | 11/30/21 11:16 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.00100  | U            | 0.00100 | 0.000233 mg/L |   |          | 11/30/21 11:16 | 1       |
| sec-Butylbenzene              | <0.00100  | U            | 0.00100 | 0.000199 mg/L |   |          | 11/30/21 11:16 | 1       |
| Styrene                       | <0.00100  | U            | 0.00100 | 0.000623 mg/L |   |          | 11/30/21 11:16 | 1       |
| tert-Butylbenzene             | <0.00100  | U            | 0.00100 | 0.000195 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.00100  | U            | 0.00100 | 0.000327 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.00100  | U            | 0.00100 | 0.000284 mg/L |   |          | 11/30/21 11:16 | 1       |
| Tetrachloroethene             | <0.00100  | U            | 0.00100 | 0.000500 mg/L |   |          | 11/30/21 11:16 | 1       |
| Toluene                       | <0.00100  | U            | 0.00100 | 0.000500 mg/L |   |          | 11/30/21 11:16 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

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

Lab Sample ID: MB 860-32248/10

Matrix: Water

Analysis Batch: 32248

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  | <0.00100  | U            | 0.00100 | 0.000256 mg/L |   |          | 11/30/21 11:16 | 1       |
| trans-1,3-Dichloropropene | <0.00500  | U            | 0.00500 | 0.000752 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00500  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 11:16 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00500  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 11:16 | 1       |
| 1,1,1-Trichloroethane     | <0.00500  | U            | 0.00500 | 0.000504 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1,2-Trichloroethane     | <0.00100  | U            | 0.00100 | 0.000228 mg/L |   |          | 11/30/21 11:16 | 1       |
| Trichloroethene           | <0.00500  | U            | 0.00500 | 0.000424 mg/L |   |          | 11/30/21 11:16 | 1       |
| Trichlorofluoromethane    | <0.00100  | U            | 0.00100 | 0.000245 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2,3-Trichloropropane    | <0.00100  | U            | 0.00100 | 0.000283 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2,4-Trimethylbenzene    | <0.00100  | U            | 0.00100 | 0.000252 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,3,5-Trimethylbenzene    | <0.00100  | U            | 0.00100 | 0.000279 mg/L |   |          | 11/30/21 11:16 | 1       |
| Vinyl chloride            | <0.00200  | U            | 0.00200 | 0.000234 mg/L |   |          | 11/30/21 11:16 | 1       |
| Xylenes, Total            | <0.0100   | U            | 0.0100  | 0.000330 mg/L |   |          | 11/30/21 11:16 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 99           |              | 74 - 124 |          | 11/30/21 11:16 | 1       |
| Dibromofluoromethane (Surr)  | 100          |              | 75 - 131 |          | 11/30/21 11:16 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103          |              | 63 - 144 |          | 11/30/21 11:16 | 1       |
| Toluene-d8 (Surr)            | 99           |              | 80 - 117 |          | 11/30/21 11:16 | 1       |

Lab Sample ID: LCS 860-32248/3

Matrix: Water

Analysis Batch: 32248

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      | 0.04619    |               | mg/L |   | 92   | 66 - 142     |
| Bromobenzene                | 0.0500      | 0.04494    |               | mg/L |   | 90   | 75 - 125     |
| Bromochloromethane          | 0.0500      | 0.04902    |               | mg/L |   | 98   | 60 - 140     |
| Bromodichloromethane        | 0.0500      | 0.04807    |               | mg/L |   | 96   | 75 - 125     |
| Bromoform                   | 0.0500      | 0.04995    |               | mg/L |   | 100  | 75 - 125     |
| Bromomethane                | 0.0500      | 0.04716    |               | mg/L |   | 94   | 60 - 140     |
| 2-Butanone                  | 0.250       | 0.2426     |               | mg/L |   | 97   | 60 - 140     |
| Carbon tetrachloride        | 0.0500      | 0.04815    |               | mg/L |   | 96   | 62 - 125     |
| Chlorobenzene               | 0.0500      | 0.04601    |               | mg/L |   | 92   | 60 - 133     |
| Chloroethane                | 0.0500      | 0.04659    |               | mg/L |   | 93   | 60 - 140     |
| Chloroform                  | 0.0500      | 0.04751    |               | mg/L |   | 95   | 70 - 130     |
| Chloromethane               | 0.0500      | 0.04416    |               | mg/L |   | 88   | 60 - 140     |
| 2-Chlorotoluene             | 0.0500      | 0.04475    |               | mg/L |   | 89   | 73 - 125     |
| 4-Chlorotoluene             | 0.0500      | 0.04520    |               | mg/L |   | 90   | 74 - 125     |
| cis-1,2-Dichloroethene      | 0.0500      | 0.04817    |               | mg/L |   | 96   | 75 - 125     |
| cis-1,3-Dichloropropene     | 0.0500      | 0.04915    |               | mg/L |   | 98   | 74 - 125     |
| Dibromochloromethane        | 0.0500      | 0.04814    |               | mg/L |   | 96   | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05133    |               | mg/L |   | 103  | 59 - 125     |
| 1,2-Dibromoethane           | 0.0500      | 0.04730    |               | mg/L |   | 95   | 73 - 125     |
| 1,2-Dichlorobenzene         | 0.0500      | 0.04573    |               | mg/L |   | 91   | 75 - 125     |
| 1,3-Dichlorobenzene         | 0.0500      | 0.04575    |               | mg/L |   | 91   | 75 - 125     |
| 1,4-Dichlorobenzene         | 0.0500      | 0.04502    |               | mg/L |   | 90   | 75 - 125     |
| Dichlorodifluoromethane     | 0.0500      | 0.05904    |               | mg/L |   | 118  | 70 - 130     |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

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

Lab Sample ID: LCS 860-32248/3

Matrix: Water

Analysis Batch: 32248

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      | 0.04644    |               | mg/L |   | 93   | 72 - 125     |
| 1,2-Dichloroethane            | 0.0500      | 0.04801    |               | mg/L |   | 96   | 68 - 127     |
| 1,1-Dichloroethene            | 0.0500      | 0.04699    |               | mg/L |   | 94   | 59 - 172     |
| 1,2-Dichloropropane           | 0.0500      | 0.04654    |               | mg/L |   | 93   | 74 - 125     |
| 1,3-Dichloropropane           | 0.0500      | 0.04667    |               | mg/L |   | 93   | 75 - 125     |
| 2,2-Dichloropropane           | 0.0500      | 0.05429    |               | mg/L |   | 109  | 75 - 125     |
| 1,1-Dichloropropene           | 0.0500      | 0.04780    |               | mg/L |   | 96   | 75 - 125     |
| Ethylbenzene                  | 0.0500      | 0.04648    |               | mg/L |   | 93   | 75 - 125     |
| Hexachlorobutadiene           | 0.0500      | 0.04946    |               | mg/L |   | 99   | 75 - 125     |
| Isopropylbenzene              | 0.0500      | 0.04805    |               | mg/L |   | 96   | 75 - 125     |
| Methylene Chloride            | 0.0500      | 0.04309    |               | mg/L |   | 86   | 75 - 125     |
| m,p-Xylenes                   | 0.0500      | 0.04711    |               | mg/L |   | 94   | 75 - 125     |
| MTBE                          | 0.0500      | 0.04914    |               | mg/L |   | 98   | 65 - 135     |
| Naphthalene                   | 0.0500      | 0.05289    |               | mg/L |   | 106  | 70 - 130     |
| n-Butylbenzene                | 0.0500      | 0.04659    |               | mg/L |   | 93   | 75 - 125     |
| N-Propylbenzene               | 0.0500      | 0.04538    |               | mg/L |   | 91   | 75 - 125     |
| o-Xylene                      | 0.0500      | 0.04795    |               | mg/L |   | 96   | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.04692    |               | mg/L |   | 94   | 75 - 125     |
| sec-Butylbenzene              | 0.0500      | 0.04612    |               | mg/L |   | 92   | 75 - 125     |
| Styrene                       | 0.0500      | 0.04839    |               | mg/L |   | 97   | 75 - 125     |
| tert-Butylbenzene             | 0.0500      | 0.04532    |               | mg/L |   | 91   | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.04683    |               | mg/L |   | 94   | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04648    |               | mg/L |   | 93   | 74 - 125     |
| Tetrachloroethene             | 0.0500      | 0.04676    |               | mg/L |   | 94   | 71 - 125     |
| Toluene                       | 0.0500      | 0.04501    |               | mg/L |   | 90   | 59 - 139     |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04768    |               | mg/L |   | 95   | 75 - 125     |
| trans-1,3-Dichloropropene     | 0.0500      | 0.04755    |               | mg/L |   | 95   | 66 - 125     |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05167    |               | mg/L |   | 103  | 75 - 137     |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.05194    |               | mg/L |   | 104  | 75 - 135     |
| 1,1,1-Trichloroethane         | 0.0500      | 0.04710    |               | mg/L |   | 94   | 75 - 125     |
| 1,1,2-Trichloroethane         | 0.0500      | 0.04706    |               | mg/L |   | 94   | 75 - 127     |
| Trichloroethene               | 0.0500      | 0.04796    |               | mg/L |   | 96   | 62 - 137     |
| Trichlorofluoromethane        | 0.0500      | 0.05185    |               | mg/L |   | 104  | 60 - 140     |
| 1,2,3-Trichloropropane        | 0.0500      | 0.04570    |               | mg/L |   | 91   | 75 - 125     |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.04582    |               | mg/L |   | 92   | 75 - 125     |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.04520    |               | mg/L |   | 90   | 60 - 140     |
| Vinyl chloride                | 0.0500      | 0.04693    |               | mg/L |   | 94   | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 97            |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 100           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 98            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 97            |               | 80 - 117 |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

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

Lab Sample ID: LCSD 860-32248/4

Matrix: Water

Analysis Batch: 32248

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         | 0.04792        |                   | mg/L |   | 96   | 66 - 142        | 4   | 25           |
| Bromobenzene                  | 0.0500         | 0.04744        |                   | mg/L |   | 95   | 75 - 125        | 5   | 25           |
| Bromochloromethane            | 0.0500         | 0.05010        |                   | mg/L |   | 100  | 60 - 140        | 2   | 25           |
| Bromodichloromethane          | 0.0500         | 0.04923        |                   | mg/L |   | 98   | 75 - 125        | 2   | 25           |
| Bromoform                     | 0.0500         | 0.05172        |                   | mg/L |   | 103  | 75 - 125        | 3   | 25           |
| Bromomethane                  | 0.0500         | 0.05100        |                   | mg/L |   | 102  | 60 - 140        | 8   | 25           |
| 2-Butanone                    | 0.250          | 0.2387         |                   | mg/L |   | 95   | 60 - 140        | 2   | 25           |
| Carbon tetrachloride          | 0.0500         | 0.05109        |                   | mg/L |   | 102  | 62 - 125        | 6   | 25           |
| Chlorobenzene                 | 0.0500         | 0.04831        |                   | mg/L |   | 97   | 60 - 133        | 5   | 25           |
| Chloroethane                  | 0.0500         | 0.04939        |                   | mg/L |   | 99   | 60 - 140        | 6   | 25           |
| Chloroform                    | 0.0500         | 0.04897        |                   | mg/L |   | 98   | 70 - 130        | 3   | 25           |
| Chloromethane                 | 0.0500         | 0.04843        |                   | mg/L |   | 97   | 60 - 140        | 9   | 25           |
| 2-Chlorotoluene               | 0.0500         | 0.04832        |                   | mg/L |   | 97   | 73 - 125        | 8   | 25           |
| 4-Chlorotoluene               | 0.0500         | 0.04843        |                   | mg/L |   | 97   | 74 - 125        | 7   | 25           |
| cis-1,2-Dichloroethene        | 0.0500         | 0.04924        |                   | mg/L |   | 98   | 75 - 125        | 2   | 25           |
| cis-1,3-Dichloropropene       | 0.0500         | 0.05130        |                   | mg/L |   | 103  | 74 - 125        | 4   | 25           |
| Dibromochloromethane          | 0.0500         | 0.04997        |                   | mg/L |   | 100  | 73 - 125        | 4   | 25           |
| 1,2-Dibromo-3-Chloropropane   | 0.0500         | 0.05400        |                   | mg/L |   | 108  | 59 - 125        | 5   | 25           |
| 1,2-Dibromoethane             | 0.0500         | 0.04877        |                   | mg/L |   | 98   | 73 - 125        | 3   | 25           |
| 1,2-Dichlorobenzene           | 0.0500         | 0.04937        |                   | mg/L |   | 99   | 75 - 125        | 8   | 25           |
| 1,3-Dichlorobenzene           | 0.0500         | 0.04942        |                   | mg/L |   | 99   | 75 - 125        | 8   | 25           |
| 1,4-Dichlorobenzene           | 0.0500         | 0.04864        |                   | mg/L |   | 97   | 75 - 125        | 8   | 25           |
| Dichlorodifluoromethane       | 0.0500         | 0.06324        |                   | mg/L |   | 126  | 70 - 130        | 7   | 25           |
| 1,1-Dichloroethane            | 0.0500         | 0.04721        |                   | mg/L |   | 94   | 72 - 125        | 2   | 25           |
| 1,2-Dichloroethane            | 0.0500         | 0.04913        |                   | mg/L |   | 98   | 68 - 127        | 2   | 25           |
| 1,1-Dichloroethene            | 0.0500         | 0.04929        |                   | mg/L |   | 99   | 59 - 172        | 5   | 25           |
| 1,2-Dichloropropane           | 0.0500         | 0.04815        |                   | mg/L |   | 96   | 74 - 125        | 3   | 25           |
| 1,3-Dichloropropane           | 0.0500         | 0.04875        |                   | mg/L |   | 97   | 75 - 125        | 4   | 25           |
| 2,2-Dichloropropane           | 0.0500         | 0.05665        |                   | mg/L |   | 113  | 75 - 125        | 4   | 25           |
| 1,1-Dichloropropene           | 0.0500         | 0.04950        |                   | mg/L |   | 99   | 75 - 125        | 3   | 25           |
| Ethylbenzene                  | 0.0500         | 0.04918        |                   | mg/L |   | 98   | 75 - 125        | 6   | 25           |
| Hexachlorobutadiene           | 0.0500         | 0.05436        |                   | mg/L |   | 109  | 75 - 125        | 9   | 25           |
| Isopropylbenzene              | 0.0500         | 0.05123        |                   | mg/L |   | 102  | 75 - 125        | 6   | 25           |
| Methylene Chloride            | 0.0500         | 0.04423        |                   | mg/L |   | 88   | 75 - 125        | 3   | 25           |
| m,p-Xylenes                   | 0.0500         | 0.05003        |                   | mg/L |   | 100  | 75 - 125        | 6   | 25           |
| MTBE                          | 0.0500         | 0.05007        |                   | mg/L |   | 100  | 65 - 135        | 2   | 25           |
| Naphthalene                   | 0.0500         | 0.05439        |                   | mg/L |   | 109  | 70 - 130        | 3   | 25           |
| n-Butylbenzene                | 0.0500         | 0.05168        |                   | mg/L |   | 103  | 75 - 125        | 10  | 25           |
| N-Propylbenzene               | 0.0500         | 0.04943        |                   | mg/L |   | 99   | 75 - 125        | 9   | 25           |
| o-Xylene                      | 0.0500         | 0.05050        |                   | mg/L |   | 101  | 75 - 125        | 5   | 25           |
| p-Cymene (p-Isopropyltoluene) | 0.0500         | 0.05134        |                   | mg/L |   | 103  | 75 - 125        | 9   | 25           |
| sec-Butylbenzene              | 0.0500         | 0.05073        |                   | mg/L |   | 101  | 75 - 125        | 10  | 25           |
| Styrene                       | 0.0500         | 0.05099        |                   | mg/L |   | 102  | 75 - 125        | 5   | 25           |
| tert-Butylbenzene             | 0.0500         | 0.04961        |                   | mg/L |   | 99   | 75 - 125        | 9   | 25           |
| 1,1,1,2-Tetrachloroethane     | 0.0500         | 0.04847        |                   | mg/L |   | 97   | 72 - 125        | 3   | 25           |
| 1,1,2,2-Tetrachloroethane     | 0.0500         | 0.04856        |                   | mg/L |   | 97   | 74 - 125        | 4   | 25           |
| Tetrachloroethene             | 0.0500         | 0.04936        |                   | mg/L |   | 99   | 71 - 125        | 5   | 25           |
| Toluene                       | 0.0500         | 0.04724        |                   | mg/L |   | 94   | 59 - 139        | 5   | 25           |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

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

Lab Sample ID: LCSD 860-32248/4

Matrix: Water

Analysis Batch: 32248

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      | 0.04896     |                | mg/L |   | 98   | 75 - 125     | 3   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05010     |                | mg/L |   | 100  | 66 - 125     | 5   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.05288     |                | mg/L |   | 106  | 75 - 137     | 2   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05463     |                | mg/L |   | 109  | 75 - 135     | 5   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.04932     |                | mg/L |   | 99   | 75 - 125     | 5   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.04804     |                | mg/L |   | 96   | 75 - 127     | 2   | 25        |
| Trichloroethene           | 0.0500      | 0.04944     |                | mg/L |   | 99   | 62 - 137     | 3   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.05591     |                | mg/L |   | 112  | 60 - 140     | 8   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05135     |                | mg/L |   | 103  | 75 - 125     | 12  | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.04963     |                | mg/L |   | 99   | 75 - 125     | 8   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.04919     |                | mg/L |   | 98   | 60 - 140     | 8   | 25        |
| Vinyl chloride            | 0.0500      | 0.04959     |                | mg/L |   | 99   | 60 - 140     | 6   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 99             |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 99             |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 97             |                | 63 - 144    |
| Toluene-d8 (Surr)            | 97             |                | 80 - 117    |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-32258/13

Matrix: Water

Analysis Batch: 32258

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB Result | MB Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|-------|-------------|---|----------|----------------|---------|
| Bromide  | <0.500    | U            | 0.500 | 0.0711 mg/L |   |          | 11/30/21 21:20 | 1       |
| Chloride | <0.500    | U            | 0.500 | 0.200 mg/L  |   |          | 11/30/21 21:20 | 1       |
| Fluoride | <0.500    | U            | 0.500 | 0.100 mg/L  |   |          | 11/30/21 21:20 | 1       |
| Sulfate  | <0.500    | U            | 0.500 | 0.109 mg/L  |   |          | 11/30/21 21:20 | 1       |

Lab Sample ID: LCS 860-32258/14

Matrix: Water

Analysis Batch: 32258

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        | 9.711      |               | mg/L |   | 97   | 90 - 110     |
| Chloride | 10.0        | 9.801      |               | mg/L |   | 98   | 90 - 110     |
| Fluoride | 10.0        | 10.44      |               | mg/L |   | 104  | 90 - 110     |
| Sulfate  | 10.0        | 9.786      |               | mg/L |   | 98   | 90 - 110     |

Lab Sample ID: LCSD 860-32258/15

Matrix: Water

Analysis Batch: 32258

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        | 9.702       |                | mg/L |   | 97   | 90 - 110     | 0   | 20        |
| Chloride | 10.0        | 9.770       |                | mg/L |   | 98   | 90 - 110     | 0   | 20        |
| Fluoride | 10.0        | 10.41       |                | mg/L |   | 104  | 90 - 110     | 0   | 20        |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

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

Lab Sample ID: LCSD 860-32258/15

Matrix: Water

Analysis Batch: 32258

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        | 9.770       |                | mg/L |   | 98   | 90 - 110     | 0   | 20        |

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

Lab Sample ID: MB 860-32426/1-A

Matrix: Water

Analysis Batch: 32608

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 32426

| Analyte   | MB Result | MB Qualifier | RL    | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-------|-------------|---|----------------|----------------|---------|
| Calcium   | <0.200    | U            | 0.200 | 0.0293 mg/L |   | 12/01/21 09:00 | 12/02/21 04:58 | 1       |
| Magnesium | <0.200    | U            | 0.200 | 0.0500 mg/L |   | 12/01/21 09:00 | 12/02/21 04:58 | 1       |
| Potassium | <0.500    | U            | 0.500 | 0.107 mg/L  |   | 12/01/21 09:00 | 12/02/21 04:58 | 1       |
| Sodium    | <0.500    | U            | 0.500 | 0.0667 mg/L |   | 12/01/21 09:00 | 12/02/21 04:58 | 1       |
| SiO2      | <1.07     | U            | 1.07  | 0.0781 mg/L |   | 12/01/21 09:00 | 12/02/21 04:58 | 1       |

Lab Sample ID: LCS 860-32426/2-A

Matrix: Water

Analysis Batch: 32608

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 32426

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Calcium   | 25.0        | 23.10      |               | mg/L |   | 92   | 85 - 115     |
| Magnesium | 25.0        | 22.93      |               | mg/L |   | 92   | 85 - 115     |
| Potassium | 10.0        | 9.284      |               | mg/L |   | 93   | 85 - 115     |
| Sodium    | 25.0        | 23.31      |               | mg/L |   | 93   | 85 - 115     |
| SiO2      | 21.4        | 20.27      |               | mg/L |   | 95   | 85 - 115     |

Lab Sample ID: LCSD 860-32426/3-A

Matrix: Water

Analysis Batch: 32608

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 32426

| Analyte   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Calcium   | 25.0        | 23.36       |                | mg/L |   | 93   | 85 - 115     | 1   | 20        |
| Magnesium | 25.0        | 23.17       |                | mg/L |   | 93   | 85 - 115     | 1   | 20        |
| Potassium | 10.0        | 9.463       |                | mg/L |   | 95   | 85 - 115     | 2   | 20        |
| Sodium    | 25.0        | 23.58       |                | mg/L |   | 94   | 85 - 115     | 1   | 20        |
| SiO2      | 21.4        | 20.54       |                | mg/L |   | 96   | 85 - 115     | 1   | 20        |

Lab Sample ID: 890-1641-1 MS

Matrix: Water

Analysis Batch: 32608

Client Sample ID: Levey Well

Prep Type: Total Recoverable

Prep Batch: 32426

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Calcium   | 254           | E                | 25.0        | 279.8     | E 4          | mg/L |   | 104  | 70 - 130     |
| Magnesium | 52.5          |                  | 25.0        | 76.85     |              | mg/L |   | 98   | 70 - 130     |
| Potassium | 4.07          |                  | 10.0        | 14.20     |              | mg/L |   | 101  | 70 - 130     |
| Sodium    | 76.6          |                  | 25.0        | 102.0     |              | mg/L |   | 102  | 70 - 130     |
| SiO2      | 61.2          |                  | 21.4        | 83.20     |              | mg/L |   | 103  | 70 - 130     |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

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

Lab Sample ID: 890-1641-1 MSD

Matrix: Water

Analysis Batch: 32608

Client Sample ID: Levey Well

Prep Type: Total Recoverable

Prep Batch: 32426

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Calcium   | 254           | E                | 25.0        | 273.5      | E 4           | mg/L |   | 79   | 70 - 130     | 2   | 20        |
| Magnesium | 52.5          |                  | 25.0        | 75.05      |               | mg/L |   | 90   | 70 - 130     | 2   | 20        |
| Potassium | 4.07          |                  | 10.0        | 13.94      |               | mg/L |   | 99   | 70 - 130     | 2   | 20        |
| Sodium    | 76.6          |                  | 25.0        | 99.81      |               | mg/L |   | 93   | 70 - 130     | 2   | 20        |
| SiO2      | 61.2          |                  | 21.4        | 81.66      |               | mg/L |   | 96   | 70 - 130     | 2   | 20        |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-32860/1

Matrix: Water

Analysis Batch: 32860

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 |   |          | 12/01/21 10:03 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Hydroxide Alkalinity            | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Phenolphthalein Alkalinity      | <4.00     | U            | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |

Lab Sample ID: LCS 860-32860/2

Matrix: Water

Analysis Batch: 32860

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|------|---|------|--------------|
| Alkalinity | 250         | 248.0      |               | mg/L |   | 99   | 85 - 115     |

Lab Sample ID: LCSD 860-32860/3

Matrix: Water

Analysis Batch: 32860

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         | 248.0       |                | mg/L |   | 99   | 85 - 115     | 0   | 20        |

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

Lab Sample ID: MB 860-32402/1

Matrix: Water

Analysis Batch: 32402

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 |   |          | 11/30/21 19:15 | 1       |

Lab Sample ID: LCS 860-32402/2

Matrix: Water

Analysis Batch: 32402

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        | 1035       |               | mg/L |   | 104  | 80 - 120     |

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QC Sample Results

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

Job ID: 890-1641-1

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

|                                 |             |             |                |                                          |   |      |              |     |           |  |  |
|---------------------------------|-------------|-------------|----------------|------------------------------------------|---|------|--------------|-----|-----------|--|--|
| Lab Sample ID: LCSD 860-32402/3 |             |             |                | Client Sample ID: Lab Control Sample Dup |   |      |              |     |           |  |  |
| Matrix: Water                   |             |             |                | Prep Type: Total/NA                      |   |      |              |     |           |  |  |
| Analysis Batch: 32402           |             |             |                |                                          |   |      |              |     |           |  |  |
| Analyte                         | Spike Added | LCSD Result | LCSD Qualifier | Unit                                     | D | %Rec | %Rec. Limits | RPD | RPD Limit |  |  |
| Total Dissolved Solids          | 1000        | 1079        |                | mg/L                                     |   | 108  | 80 - 120     | 4   | 10        |  |  |

## QC Association Summary

Client: Ensolum

Job ID: 890-1641-1

Project/Site: Levey Well Hobb NM - 03B1417001

## GC/MS VOA

## Analysis Batch: 32248

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 890-1641-1       | Levey Well             | Total/NA  | Water  | 8260C  |            |
| MB 860-32248/10  | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-32248/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-32248/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## HPLC/IC

## Analysis Batch: 32258

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-1641-1        | Levey Well             | Total/NA  | Water  | 300.0  |            |
| MB 860-32258/13   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-32258/14  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-32258/15 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 32259

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 890-1641-1    | Levey Well       | Total/NA  | Water  | 300.0  |            |

## Metals

## Prep Batch: 32426

| Lab Sample ID      | Client Sample ID       | Prep Type         | Matrix | Method | Prep Batch |
|--------------------|------------------------|-------------------|--------|--------|------------|
| 890-1641-1         | Levey Well             | Total Recoverable | Water  | 200.7  |            |
| MB 860-32426/1-A   | Method Blank           | Total Recoverable | Water  | 200.7  |            |
| LCS 860-32426/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7  |            |
| LCSD 860-32426/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7  |            |
| 890-1641-1 MS      | Levey Well             | Total Recoverable | Water  | 200.7  |            |
| 890-1641-1 MSD     | Levey Well             | Total Recoverable | Water  | 200.7  |            |

## Analysis Batch: 32608

| Lab Sample ID      | Client Sample ID       | Prep Type         | Matrix | Method        | Prep Batch |
|--------------------|------------------------|-------------------|--------|---------------|------------|
| 890-1641-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 32426      |
| 890-1641-1         | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 32426      |
| MB 860-32426/1-A   | Method Blank           | Total Recoverable | Water  | 200.7 Rev 4.4 | 32426      |
| LCS 860-32426/2-A  | Lab Control Sample     | Total Recoverable | Water  | 200.7 Rev 4.4 | 32426      |
| LCSD 860-32426/3-A | Lab Control Sample Dup | Total Recoverable | Water  | 200.7 Rev 4.4 | 32426      |
| 890-1641-1 MS      | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 32426      |
| 890-1641-1 MSD     | Levey Well             | Total Recoverable | Water  | 200.7 Rev 4.4 | 32426      |

## General Chemistry

## Analysis Batch: 32402

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 890-1641-1       | Levey Well             | Total/NA  | Water  | SM 2540C |            |
| MB 860-32402/1   | Method Blank           | Total/NA  | Water  | SM 2540C |            |
| LCS 860-32402/2  | Lab Control Sample     | Total/NA  | Water  | SM 2540C |            |
| LCSD 860-32402/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2540C |            |

## Analysis Batch: 32405

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 890-1641-1    | Levey Well       | Total/NA  | Water  | SM 4500 H+ B |            |

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QC Association Summary

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

Job ID: 890-1641-1

General Chemistry

Analysis Batch: 32860

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 890-1641-1       | Levey Well             | Total/NA  | Water  | SM 2320B |            |
| MB 860-32860/1   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-32860/2  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-32860/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |

Analysis Batch: 32926

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-1641-1    | Levey Well       | Total/NA  | Water  | SM 1030E |            |

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Lab Chronicle

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

Job ID: 890-1641-1

Client Sample ID: Levey Well

Lab Sample ID: 890-1641-1

Date Collected: 11/24/21 03:30

Matrix: Water

Date Received: 11/24/21 12:24

| Prep Type         | Batch Type | Batch Method  | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA          | Analysis   | 8260C         |     | 1          | 5 mL           | 5 mL         | 32248        | 11/30/21 15:02       | NA      | XEN STF |
| Total/NA          | Analysis   | 300.0         |     | 1          |                |              | 32258        | 12/01/21 03:20       | ANP     | XEN STF |
| Total/NA          | Analysis   | 300.0         |     | 1          |                |              | 32259        | 12/01/21 03:20       | ANP     | XEN STF |
| Total Recoverable | Prep       | 200.7         |     |            | 50 mL          | 50 mL        | 32426        | 12/01/21 09:00       | MD      | XEN STF |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 1          |                |              | 32608        | 12/02/21 05:08       | AV      | XEN STF |
| Total Recoverable | Prep       | 200.7         |     |            | 50 mL          | 50 mL        | 32426        | 12/01/21 09:00       | MD      | XEN STF |
| Total Recoverable | Analysis   | 200.7 Rev 4.4 |     | 50         |                |              | 32608        | 12/02/21 05:27       | AV      | XEN STF |
| Total/NA          | Analysis   | SM 1030E      |     | 1          |                |              | 32926        | 12/03/21 17:51       | AA      | XEN STF |
| Total/NA          | Analysis   | SM 2320B      |     | 1          | 50 mL          | 50 mL        | 32860        | 12/01/21 10:03       | YGG     | XEN STF |
| Total/NA          | Analysis   | SM 2540C      |     | 1          | 50 mL          | 200 mL       | 32402        | 11/30/21 19:15       | ADL     | XEN STF |
| Total/NA          | Analysis   | SM 4500 H+ B  |     | 1          |                |              | 32405        | 11/30/21 19:37       | ANP     | XEN STF |

Laboratory References:  
XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

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

Job ID: 890-1641-1

Laboratory: Eurofins Xenco, Stafford

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-21-44      | 06-30-22        |

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                         |
|-----------------|-------------|--------|---------------------------------|
| 200.7 Rev 4.4   | 200.7       | Water  | SiO2                            |
| SM 1030E        |             | Water  | Anion/Cation Balance            |
| SM 1030E        |             | Water  | Percent Difference              |
| 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 Hobb NM - 03B1417001

Job ID: 890-1641-1

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

Protocol References:

- EPA = US Environmental Protection Agency
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- 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:

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

Sample Summary

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

Job ID: 890-1641-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 890-1641-1    | Levey Well       | Water  | 11/24/21 03:30 | 11/24/21 12:24 |

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## Chain of Custody

**Work Order No:**

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) 575-392-7650  
Hobbs, NM (575-392-7650)

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|                  |                   |                         |                       |
|------------------|-------------------|-------------------------|-----------------------|
| Project Manager: | Beaux Jennings    | Bill to: (if different) |                       |
| Company Name:    | Ensolum LLC       | Company Name:           |                       |
| Address:         | 705 W Wadley #210 | Address:                |                       |
| City, State ZIP: | Midland TX        | City, State ZIP:        |                       |
| Phone:           | 210-219-8858      | Email:                  | bjennings@ensolum.com |

| Work Order Comments                                                                                                                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input checked="" type="checkbox"/> SRC <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: _____                                                                                                 |  |

|                       |               |                    |                                  |
|-----------------------|---------------|--------------------|----------------------------------|
| 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:       | Aaron Macquez |                    | Due Date:                        |
| <b>SAMPLE RECEIPT</b> |               |                    |                                  |
| Temperature (°C):     | 3.4 / 3.2     | Temp Blank:        | Yes No                           |
| Received Inact:       | Yes No        |                    | Yes No                           |
| Cooler Custody Seals: | Yes No N/A    | Thermometer ID     | 1NM003                           |
| Sample Custody Seals: | Yes No (N/A)  | Correction Factor: | 20.2                             |
|                       |               | Total Containers:  |                                  |

| ANALYSIS REQUEST                                                                     |  |  |  |  |  |  |  |  |  | Work Order Notes |
|--------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------|
| Number of Containers                                                                 |  |  |  |  |  |  |  |  |  |                  |
| : F, Cl, SO <sub>4</sub> , B                                                         |  |  |  |  |  |  |  |  |  |                  |
| s: Ca, K, Mg, Na, Si                                                                 |  |  |  |  |  |  |  |  |  |                  |
| ity                                                                                  |  |  |  |  |  |  |  |  |  |                  |
| 890-1641 Chain of Custody                                                            |  |  |  |  |  |  |  |  |  |                  |
|  |  |  |  |  |  |  |  |  |  |                  |
| TAT starts the day received by the lab. If received by 4:30pm                        |  |  |  |  |  |  |  |  |  |                  |

[illegible]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |             |       |       |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |      |    |    |    |    |   |   |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|-------|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------|----|----|----|----|---|---|----|
| <b>Total 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 | SiO2 | Na | Sr | Ti | 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  |    |   |    |    |      |    |    |    |    |   |   |    |
| 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. |                      |             |       |       |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |      |    |    |    |    |   |   |    |
| 1631 / 245.1 / 7470 / 7471 : Hg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |             |       |       |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |      |    |    |    |    |   |   |    |

| Relinquished by: (Signature)                                                      | Received by: (Signature)                                                          | Date/Time      | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|------------------------------|--------------------------|-----------|
|  |  | 11-24-21 12:24 |                              |                          |           |
|                                                                                   |                                                                                   | 4              |                              |                          |           |
|                                                                                   |                                                                                   |                |                              |                          |           |

## Chain of Custody Record

| Client Information (Sub Contract Lab)                                               |                    | Lab PM:                             | Carrier Tracking No(s):               | COC No:                                     |
|-------------------------------------------------------------------------------------|--------------------|-------------------------------------|---------------------------------------|---------------------------------------------|
| Client Contact                                                                      | Shipping/Receiving | E-Mail:                             | State of Origin:                      | Page 1 of 1                                 |
| Company:                                                                            |                    | Accreditations Required (See note): |                                       | Job #:                                      |
| Eurofins Xenco                                                                      |                    | NELAP Texas                         |                                       | 890-1641 1                                  |
| Address:                                                                            |                    | Preservation Codes:                 |                                       |                                             |
| 11/30/2021                                                                          |                    | A HCL M Hexane                      |                                       |                                             |
| TAT Requested (days):                                                               |                    | B NaOH N None                       |                                       |                                             |
| City:                                                                               |                    | C Zn Acetate O AsNaO2               |                                       |                                             |
| Stafford                                                                            |                    | D Nitric Acid P Na2O4S              |                                       |                                             |
| State, Zip:                                                                         |                    | E NaHSO4 Q Na2SO3                   |                                       |                                             |
| TX, 77477                                                                           |                    | F MeOH R Na2S2O3                    |                                       |                                             |
| Phone:                                                                              |                    | G Ascorbic Acid S H2SO4             |                                       |                                             |
| 281-240-4200(Tel)                                                                   |                    | H Ascorbic Acid T TSP Dodecahydrate |                                       |                                             |
| Email:                                                                              |                    | I Ice U Acetone                     |                                       |                                             |
| Project #:                                                                          |                    | J DI Water V MCAA                   |                                       |                                             |
| 88000024                                                                            |                    | K EDTA W pH 4-5                     |                                       |                                             |
| Site:                                                                               |                    | L EDA Z other (specify)             |                                       |                                             |
| SSOW#                                                                               |                    | Other                               |                                       |                                             |
| Sample Identification - Client ID (Lab ID)                                          |                    | Total Number of Containers          |                                       |                                             |
| Levey Well (890-1641-1)                                                             |                    | Special Instructions/Note:          |                                       |                                             |
| Sample Date                                                                         | Sample Time        | Sample Type (C-Comp, G-grab)        | Matrix (Water, Sealed, On-site, etc.) |                                             |
| 11/24/21                                                                            | 03:30 Mountain     | Water                               |                                       |                                             |
| 8260/6030C (MOD) Full List VOCs                                                     |                    | 300 ORP/M, 20V/Br, Cl, F, SO4       | SM4500, H+ pH                         | 2640C, Calcd/ TDS                           |
| Perform MS/MSD (Yes or No)                                                          |                    | 2320B/ Alkalinity                   | Calcon, Anion/ (MOD) Copy Analytes    | 200.7/Filtration, ME (MOD) Dissolved Metals |
| Field Filled Sample (Yes or No)                                                     |                    |                                     |                                       |                                             |
| Preservation Code:                                                                  |                    |                                     |                                       |                                             |
| Temp: 0-8 IR ID: HOU-223                                                            |                    |                                     |                                       |                                             |
| C/F: +0.0                                                                           |                    |                                     |                                       |                                             |
| Corrected Temp: 0-8                                                                 |                    |                                     |                                       |                                             |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) |                    |                                     |                                       |                                             |
| Unconfirmed                                                                         |                    |                                     |                                       |                                             |
| Deliverable Requested: I II III, IV Other (specify)                                 |                    |                                     |                                       |                                             |
| Primary Deliverable Rank: 2                                                         |                    |                                     |                                       |                                             |
| Date:                                                                               |                    | Time:                               | Method of Shipment:                   |                                             |
| Reinforced by:                                                                      |                    | Company                             | Date/Time                             | Company                                     |
| Reinforced by:                                                                      |                    | Company                             | Date/Time                             | Company                                     |
| Reinforced by:                                                                      |                    | Company                             | Date/Time                             | Company                                     |
| Custody Seals Intact:                                                               |                    | Custody Seal No.                    |                                       |                                             |
| A Yes A No                                                                          |                    |                                     |                                       |                                             |

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-1641-1

Login Number: 1641

List Source: Eurofins Xenco, Carlsbad

List Number: 1

Creator: Clifton, Cloe

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-1641-1

Login Number: 1641

List Source: Eurofins Xenco, Stafford

List Number: 2

List Creation: 11/30/21 01:55 PM

Creator: Palmar, Pedro

| 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 America

### ANALYTICAL REPORT

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

Laboratory Job ID: 890-1638-1

Client Project/Site: South Hobbs - 03B1417002

Sampling Event: South Hobbs

**For:**

Ensolum  
705 W. Wadley  
Suite 210  
Midland, Texas 79701

Attn: Beaux Jennings

A handwritten signature in black ink that reads "J. Kramer".

Authorized for release by:  
12/3/2021 7:45:40 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

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

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Laboratory Job ID: 890-1638-1

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Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 890-1638-1

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                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| B         | Compound was found in the blank and sample.                                                                                                               |
| H         | Sample was prepped or analyzed beyond the specified holding time                                                                                          |
| 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)                                                         |

Definitions/Glossary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 890-1638-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report.          |
|--------------|--------------------------------------------------------------------------------------|
| 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                                                                |

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Case Narrative

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 890-1638-1

Job ID: 890-1638-1

Laboratory: Eurofins Xenco, Carlsbad

| Narrative |                             |
|-----------|-----------------------------|
|           | Job Narrative<br>890-1638-1 |

Receipt

The samples were received on 11/24/2021 12:24 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

GC/MS VOA

Method 8260C: The matrix spike (MS) recoveries for analytical batch 860-32248 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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\_ORGFMS: The following samples were received outside of holding time: MW-1 (890-1638-1) and MW-2 (890-1638-2).

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.

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## Client Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 890-1638-1

Date Collected: 11/24/21 09:35

Matrix: Water

Date Received: 11/24/21 12:24

Sample Depth: 75

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

| Analyte                       | Result   | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.00100 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/30/21 14:21 | 1       |
| Bromobenzene                  | <0.00100 | U         | 0.00100 | 0.000300 mg/L |   |          | 11/30/21 14:21 | 1       |
| Bromochloromethane            | <0.00100 | U         | 0.00100 | 0.000209 mg/L |   |          | 11/30/21 14:21 | 1       |
| Bromodichloromethane          | <0.00100 | U         | 0.00100 | 0.000231 mg/L |   |          | 11/30/21 14:21 | 1       |
| Bromoform                     | <0.00500 | U         | 0.00500 | 0.000630 mg/L |   |          | 11/30/21 14:21 | 1       |
| Bromomethane                  | <0.00500 | U         | 0.00500 | 0.00105 mg/L  |   |          | 11/30/21 14:21 | 1       |
| 2-Butanone                    | <0.0500  | U         | 0.0500  | 0.00270 mg/L  |   |          | 11/30/21 14:21 | 1       |
| Carbon tetrachloride          | <0.00500 | U         | 0.00500 | 0.000423 mg/L |   |          | 11/30/21 14:21 | 1       |
| Chlorobenzene                 | <0.00100 | U         | 0.00100 | 0.000159 mg/L |   |          | 11/30/21 14:21 | 1       |
| Chloroethane                  | <0.0100  | U         | 0.0100  | 0.000433 mg/L |   |          | 11/30/21 14:21 | 1       |
| Chloroform                    | <0.00100 | U         | 0.00100 | 0.000259 mg/L |   |          | 11/30/21 14:21 | 1       |
| Chloromethane                 | <0.0100  | U         | 0.0100  | 0.000318 mg/L |   |          | 11/30/21 14:21 | 1       |
| 2-Chlorotoluene               | <0.00100 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/30/21 14:21 | 1       |
| 4-Chlorotoluene               | <0.00100 | U         | 0.00100 | 0.000183 mg/L |   |          | 11/30/21 14:21 | 1       |
| cis-1,2-Dichloroethene        | <0.00100 | U         | 0.00100 | 0.000174 mg/L |   |          | 11/30/21 14:21 | 1       |
| cis-1,3-Dichloropropene       | <0.00500 | U         | 0.00500 | 0.000690 mg/L |   |          | 11/30/21 14:21 | 1       |
| Dibromochloromethane          | <0.00500 | U         | 0.00500 | 0.000739 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00500 | U         | 0.00500 | 0.000319 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,2-Dibromoethane             | <0.00500 | U         | 0.00500 | 0.000337 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,2-Dichlorobenzene           | <0.00100 | U         | 0.00100 | 0.000236 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,3-Dichlorobenzene           | <0.00100 | U         | 0.00100 | 0.000197 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,4-Dichlorobenzene           | <0.00100 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/30/21 14:21 | 1       |
| Dichlorodifluoromethane       | <0.00100 | U         | 0.00100 | 0.000316 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,1-Dichloroethane            | <0.00100 | U         | 0.00100 | 0.000244 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,2-Dichloroethane            | <0.00100 | U         | 0.00100 | 0.000285 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,1-Dichloroethene            | <0.00100 | U         | 0.00100 | 0.000216 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,2-Dichloropropane           | <0.00500 | U         | 0.00500 | 0.000396 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,3-Dichloropropane           | <0.00500 | U         | 0.00500 | 0.000439 mg/L |   |          | 11/30/21 14:21 | 1       |
| 2,2-Dichloropropane           | <0.00500 | U         | 0.00500 | 0.000360 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,1-Dichloropropene           | <0.00500 | U         | 0.00500 | 0.000481 mg/L |   |          | 11/30/21 14:21 | 1       |
| Ethylbenzene                  | <0.00100 | U         | 0.00100 | 0.000515 mg/L |   |          | 11/30/21 14:21 | 1       |
| Hexachlorobutadiene           | <0.00500 | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 14:21 | 1       |
| Isopropylbenzene              | <0.00100 | U         | 0.00100 | 0.000161 mg/L |   |          | 11/30/21 14:21 | 1       |
| Methylene Chloride            | <0.00500 | U         | 0.00500 | 0.00191 mg/L  |   |          | 11/30/21 14:21 | 1       |
| m,p-Xylenes                   | <0.0100  | U         | 0.0100  | 0.000330 mg/L |   |          | 11/30/21 14:21 | 1       |
| MTBE                          | <0.00500 | U         | 0.00500 | 0.000571 mg/L |   |          | 11/30/21 14:21 | 1       |
| Naphthalene                   | <0.0100  | U         | 0.0100  | 0.00200 mg/L  |   |          | 11/30/21 14:21 | 1       |
| n-Butylbenzene                | <0.00100 | U         | 0.00100 | 0.000286 mg/L |   |          | 11/30/21 14:21 | 1       |
| N-Propylbenzene               | <0.00100 | U         | 0.00100 | 0.000179 mg/L |   |          | 11/30/21 14:21 | 1       |
| o-Xylene                      | <0.00100 | U         | 0.00100 | 0.000192 mg/L |   |          | 11/30/21 14:21 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.00100 | U         | 0.00100 | 0.000233 mg/L |   |          | 11/30/21 14:21 | 1       |
| sec-Butylbenzene              | <0.00100 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/30/21 14:21 | 1       |
| Styrene                       | <0.00100 | U         | 0.00100 | 0.000623 mg/L |   |          | 11/30/21 14:21 | 1       |
| tert-Butylbenzene             | <0.00100 | U         | 0.00100 | 0.000195 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.00100 | U         | 0.00100 | 0.000327 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.00100 | U         | 0.00100 | 0.000284 mg/L |   |          | 11/30/21 14:21 | 1       |
| Tetrachloroethene             | <0.00100 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/30/21 14:21 | 1       |
| Toluene                       | <0.00100 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/30/21 14:21 | 1       |

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 890-1638-1

Date Collected: 11/24/21 09:35

Matrix: Water

Date Received: 11/24/21 12:24

Sample Depth: 75

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

| Analyte                   | Result   | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|----------|-----------|---------|---------------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | <0.00100 | U         | 0.00100 | 0.000256 mg/L |   |          | 11/30/21 14:21 | 1       |
| trans-1,3-Dichloropropene | <0.00500 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00500 | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 14:21 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00500 | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 14:21 | 1       |
| 1,1,1-Trichloroethane     | <0.00500 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,1,2-Trichloroethane     | <0.00100 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/30/21 14:21 | 1       |
| Trichloroethene           | <0.00500 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/30/21 14:21 | 1       |
| Trichlorofluoromethane    | <0.00100 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,2,3-Trichloropropane    | <0.00100 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,2,4-Trimethylbenzene    | <0.00100 | U         | 0.00100 | 0.000252 mg/L |   |          | 11/30/21 14:21 | 1       |
| 1,3,5-Trimethylbenzene    | <0.00100 | U         | 0.00100 | 0.000279 mg/L |   |          | 11/30/21 14:21 | 1       |
| Vinyl chloride            | <0.00200 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/30/21 14:21 | 1       |
| Xylenes, Total            | <0.0100  | U         | 0.0100  | 0.000330 mg/L |   |          | 11/30/21 14:21 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 101       |           | 74 - 124 |          | 11/30/21 14:21 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 75 - 131 |          | 11/30/21 14:21 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 63 - 144 |          | 11/30/21 14:21 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 117 |          | 11/30/21 14:21 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | <4.70  | U         | 4.70 | 0.929 mg/L |   |          | 12/01/21 19:01 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <4.70  | U         | 4.70 | 0.929 mg/L |   | 12/01/21 12:00 | 12/01/21 15:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <4.70  | U         | 4.70 | 0.929 mg/L |   | 12/01/21 12:00 | 12/01/21 15:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <4.70  | U         | 4.70 | 0.897 mg/L |   | 12/01/21 12:00 | 12/01/21 15:32 | 1       |
| Total TPH                            | <4.70  | U         | 4.70 | 0.929 mg/L |   | 12/01/21 12:00 | 12/01/21 15:32 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 98        |           | 70 - 135 | 12/01/21 12:00 | 12/01/21 15:32 | 1       |
| o-Terphenyl    | 103       |           | 70 - 135 | 12/01/21 12:00 | 12/01/21 15:32 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte      | Result | Qualifier | RL    | Unit        | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|-------|-------------|---|----------|----------------|---------|
| Chloride     | 267    |           | 0.500 | 0.200 mg/L  |   |          | 12/01/21 02:26 | 1       |
| Nitrate as N | 0.220  | H         | 0.100 | 0.0391 mg/L |   |          | 12/01/21 02:26 | 1       |
| Fluoride     | 0.429  | J         | 0.500 | 0.100 mg/L  |   |          | 12/01/21 02:26 | 1       |
| Nitrite as N | 0.549  | H B       | 0.100 | 0.0293 mg/L |   |          | 12/01/21 02:26 | 1       |
| Sulfate      | 81.4   |           | 0.500 | 0.109 mg/L  |   |          | 12/01/21 02:26 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | Unit      | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|-----------|---|----------|----------------|---------|
| Alkalinity                      | 502    |           | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 502    |           | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |

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## Client Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

## Client Sample ID: MW-1

Lab Sample ID: 890-1638-1

Date Collected: 11/24/21 09:35

Matrix: Water

Date Received: 11/24/21 12:24

Sample Depth: 75

## General Chemistry (Continued)

| Analyte              | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------------|---|----------|----------------|---------|
| Carbon dioxide       | 601    |           |      | mg/L       |   |          | 12/03/21 17:54 | 1       |
| Carbon Dioxide, Free | 159    |           |      | mg/L       |   |          | 12/03/21 17:54 | 1       |
| pH                   | 6.8    | HF        |      | SU         |   |          | 11/30/21 19:37 | 1       |
| Temperature          | 19.7   | HF        |      | Celsius    |   |          | 11/30/21 19:37 | 1       |
| Sulfide              | <5.00  | U         | 5.00 | 0.495 mg/L |   |          | 12/01/21 14:01 | 1       |

## Client Sample ID: MW-2

Lab Sample ID: 890-1638-2

Date Collected: 11/24/21 10:30

Matrix: Water

Date Received: 11/24/21 12:24

Sample Depth: 85

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

| Analyte                     | Result   | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|----------|-----------|---------|---------------|---|----------|----------------|---------|
| Benzene                     | 0.0207   |           | 0.00100 | 0.000214 mg/L |   |          | 11/30/21 14:41 | 1       |
| Bromobenzene                | <0.00100 | U         | 0.00100 | 0.000300 mg/L |   |          | 11/30/21 14:41 | 1       |
| Bromochloromethane          | <0.00100 | U         | 0.00100 | 0.000209 mg/L |   |          | 11/30/21 14:41 | 1       |
| Bromodichloromethane        | <0.00100 | U         | 0.00100 | 0.000231 mg/L |   |          | 11/30/21 14:41 | 1       |
| Bromoform                   | <0.00500 | U         | 0.00500 | 0.000630 mg/L |   |          | 11/30/21 14:41 | 1       |
| Bromomethane                | <0.00500 | U         | 0.00500 | 0.00105 mg/L  |   |          | 11/30/21 14:41 | 1       |
| 2-Butanone                  | <0.0500  | U         | 0.0500  | 0.00270 mg/L  |   |          | 11/30/21 14:41 | 1       |
| Carbon tetrachloride        | <0.00500 | U         | 0.00500 | 0.000423 mg/L |   |          | 11/30/21 14:41 | 1       |
| Chlorobenzene               | <0.00100 | U         | 0.00100 | 0.000159 mg/L |   |          | 11/30/21 14:41 | 1       |
| Chloroethane                | <0.0100  | U         | 0.0100  | 0.000433 mg/L |   |          | 11/30/21 14:41 | 1       |
| Chloroform                  | <0.00100 | U         | 0.00100 | 0.000259 mg/L |   |          | 11/30/21 14:41 | 1       |
| Chloromethane               | <0.0100  | U         | 0.0100  | 0.000318 mg/L |   |          | 11/30/21 14:41 | 1       |
| 2-Chlorotoluene             | <0.00100 | U         | 0.00100 | 0.000214 mg/L |   |          | 11/30/21 14:41 | 1       |
| 4-Chlorotoluene             | <0.00100 | U         | 0.00100 | 0.000183 mg/L |   |          | 11/30/21 14:41 | 1       |
| cis-1,2-Dichloroethene      | <0.00100 | U         | 0.00100 | 0.000174 mg/L |   |          | 11/30/21 14:41 | 1       |
| cis-1,3-Dichloropropene     | <0.00500 | U         | 0.00500 | 0.000690 mg/L |   |          | 11/30/21 14:41 | 1       |
| Dibromochloromethane        | <0.00500 | U         | 0.00500 | 0.000739 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.00500 | U         | 0.00500 | 0.000319 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,2-Dibromoethane           | <0.00500 | U         | 0.00500 | 0.000337 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,2-Dichlorobenzene         | <0.00100 | U         | 0.00100 | 0.000236 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,3-Dichlorobenzene         | <0.00100 | U         | 0.00100 | 0.000197 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,4-Dichlorobenzene         | <0.00100 | U         | 0.00100 | 0.000199 mg/L |   |          | 11/30/21 14:41 | 1       |
| Dichlorodifluoromethane     | <0.00100 | U         | 0.00100 | 0.000316 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,1-Dichloroethane          | <0.00100 | U         | 0.00100 | 0.000244 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,2-Dichloroethane          | <0.00100 | U         | 0.00100 | 0.000285 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,1-Dichloroethene          | <0.00100 | U         | 0.00100 | 0.000216 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,2-Dichloropropane         | <0.00500 | U         | 0.00500 | 0.000396 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,3-Dichloropropane         | <0.00500 | U         | 0.00500 | 0.000439 mg/L |   |          | 11/30/21 14:41 | 1       |
| 2,2-Dichloropropane         | <0.00500 | U         | 0.00500 | 0.000360 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,1-Dichloropropene         | <0.00500 | U         | 0.00500 | 0.000481 mg/L |   |          | 11/30/21 14:41 | 1       |
| Ethylbenzene                | 0.0266   |           | 0.00100 | 0.000515 mg/L |   |          | 11/30/21 14:41 | 1       |
| Hexachlorobutadiene         | <0.00500 | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 14:41 | 1       |
| Isopropylbenzene            | 0.0107   |           | 0.00100 | 0.000161 mg/L |   |          | 11/30/21 14:41 | 1       |
| Methylene Chloride          | <0.00500 | U         | 0.00500 | 0.00191 mg/L  |   |          | 11/30/21 14:41 | 1       |
| m,p-Xylenes                 | 0.123    |           | 0.0100  | 0.000330 mg/L |   |          | 11/30/21 14:41 | 1       |
| MTBE                        | <0.00500 | U         | 0.00500 | 0.000571 mg/L |   |          | 11/30/21 14:41 | 1       |

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## Client Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-2

Lab Sample ID: 890-1638-2

Date Collected: 11/24/21 10:30

Matrix: Water

Date Received: 11/24/21 12:24

Sample Depth: 85

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

| Analyte                       | Result   | Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|----------|-----------|---------|---------------|---|----------|----------------|---------|
| Naphthalene                   | <0.0100  | U         | 0.0100  | 0.00200 mg/L  |   |          | 11/30/21 14:41 | 1       |
| n-Butylbenzene                | <0.00100 | U         | 0.00100 | 0.000286 mg/L |   |          | 11/30/21 14:41 | 1       |
| N-Propylbenzene               | 0.00312  |           | 0.00100 | 0.000179 mg/L |   |          | 11/30/21 14:41 | 1       |
| o-Xylene                      | 0.0130   |           | 0.00100 | 0.000192 mg/L |   |          | 11/30/21 14:41 | 1       |
| p-Cymene (p-Isopropyltoluene) | 0.000749 | J         | 0.00100 | 0.000233 mg/L |   |          | 11/30/21 14:41 | 1       |
| sec-Butylbenzene              | 0.00110  |           | 0.00100 | 0.000199 mg/L |   |          | 11/30/21 14:41 | 1       |
| Styrene                       | <0.00100 | U         | 0.00100 | 0.000623 mg/L |   |          | 11/30/21 14:41 | 1       |
| tert-Butylbenzene             | <0.00100 | U         | 0.00100 | 0.000195 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.00100 | U         | 0.00100 | 0.000327 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.00100 | U         | 0.00100 | 0.000284 mg/L |   |          | 11/30/21 14:41 | 1       |
| Tetrachloroethene             | <0.00100 | U         | 0.00100 | 0.000500 mg/L |   |          | 11/30/21 14:41 | 1       |
| Toluene                       | 0.00681  |           | 0.00100 | 0.000500 mg/L |   |          | 11/30/21 14:41 | 1       |
| trans-1,2-Dichloroethene      | <0.00100 | U         | 0.00100 | 0.000256 mg/L |   |          | 11/30/21 14:41 | 1       |
| trans-1,3-Dichloropropene     | <0.00500 | U         | 0.00500 | 0.000752 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,2,3-Trichlorobenzene        | <0.00500 | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 14:41 | 1       |
| 1,2,4-Trichlorobenzene        | <0.00500 | U         | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 14:41 | 1       |
| 1,1,1-Trichloroethane         | <0.00500 | U         | 0.00500 | 0.000504 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,1,2-Trichloroethane         | <0.00100 | U         | 0.00100 | 0.000228 mg/L |   |          | 11/30/21 14:41 | 1       |
| Trichloroethene               | <0.00500 | U         | 0.00500 | 0.000424 mg/L |   |          | 11/30/21 14:41 | 1       |
| Trichlorofluoromethane        | <0.00100 | U         | 0.00100 | 0.000245 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,2,3-Trichloropropane        | <0.00100 | U         | 0.00100 | 0.000283 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,2,4-Trimethylbenzene        | 0.0296   |           | 0.00100 | 0.000252 mg/L |   |          | 11/30/21 14:41 | 1       |
| 1,3,5-Trimethylbenzene        | 0.00811  |           | 0.00100 | 0.000279 mg/L |   |          | 11/30/21 14:41 | 1       |
| Vinyl chloride                | <0.00200 | U         | 0.00200 | 0.000234 mg/L |   |          | 11/30/21 14:41 | 1       |
| Xylenes, Total                | 0.136    |           | 0.0100  | 0.000330 mg/L |   |          | 11/30/21 14:41 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 96        |           | 74 - 124 |          | 11/30/21 14:41 | 1       |
| Dibromofluoromethane (Surr)  | 98        |           | 75 - 131 |          | 11/30/21 14:41 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 63 - 144 |          | 11/30/21 14:41 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 117 |          | 11/30/21 14:41 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------------|---|----------|----------------|---------|
| Total TPH | 2.34   | J         | 4.59 | 0.906 mg/L |   |          | 12/01/21 19:01 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 2.34   | J         | 4.59 | 0.906 mg/L |   | 12/01/21 12:00 | 12/01/21 16:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <4.59  | U         | 4.59 | 0.906 mg/L |   | 12/01/21 12:00 | 12/01/21 16:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <4.59  | U         | 4.59 | 0.875 mg/L |   | 12/01/21 12:00 | 12/01/21 16:08 | 1       |
| Total TPH                            | 2.34   | J         | 4.59 | 0.906 mg/L |   | 12/01/21 12:00 | 12/01/21 16:08 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 76        |           | 70 - 135 | 12/01/21 12:00 | 12/01/21 16:08 | 1       |
| o-Terphenyl    | 82        |           | 70 - 135 | 12/01/21 12:00 | 12/01/21 16:08 | 1       |

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Client Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 890-1638-1

Client Sample ID: MW-2  
Date Collected: 11/24/21 10:30  
Date Received: 11/24/21 12:24  
Sample Depth: 85

Lab Sample ID: 890-1638-2  
Matrix: Water

| Method: 300.0 - Anions, Ion Chromatography |        |           |       |        |      |   |          |                |         |
|--------------------------------------------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| Analyte                                    | Result | Qualifier | RL    |        | Unit | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                   | 163    |           | 0.500 | 0.200  | mg/L |   |          | 12/01/21 02:53 | 1       |
| Nitrate as N                               | 0.680  | H         | 0.100 | 0.0391 | mg/L |   |          | 12/01/21 02:53 | 1       |
| Fluoride                                   | <0.500 | U         | 0.500 | 0.100  | mg/L |   |          | 12/01/21 02:53 | 1       |
| Nitrite as N                               | 0.539  | H B       | 0.100 | 0.0293 | mg/L |   |          | 12/01/21 02:53 | 1       |
| Sulfate                                    | 127    |           | 5.00  | 1.09   | mg/L |   |          | 12/01/21 03:06 | 10      |

| General Chemistry               |        |           |      |       |         |   |          |                |         |
|---------------------------------|--------|-----------|------|-------|---------|---|----------|----------------|---------|
| Analyte                         | Result | Qualifier | RL   |       | Unit    | D | Prepared | Analyzed       | Dil Fac |
| Alkalinity                      | 1500   |           | 4.00 | 4.00  | mg/L    |   |          | 12/01/21 10:03 | 1       |
| Bicarbonate Alkalinity as CaCO3 | 1500   |           | 4.00 | 4.00  | mg/L    |   |          | 12/01/21 10:03 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00  | U         | 4.00 | 4.00  | mg/L    |   |          | 12/01/21 10:03 | 1       |
| Carbon dioxide                  | 2820   |           |      |       | mg/L    |   |          | 12/03/21 17:54 | 1       |
| Carbon Dioxide, Free            | 1500   |           |      |       | mg/L    |   |          | 12/03/21 17:54 | 1       |
| pH                              | 6.3    | HF        |      |       | SU      |   |          | 11/30/21 19:37 | 1       |
| Temperature                     | 19.1   | HF        |      |       | Celsius |   |          | 11/30/21 19:37 | 1       |
| Sulfide                         | <5.00  | U         | 5.00 | 0.495 | mg/L    |   |          | 12/01/21 14:01 | 1       |

## Surrogate Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 890-1638-1

## 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>(80-117) |
| 870-4308-D-4 MS                    | Matrix Spike           | 98                                             | 99               | 98              | 98              |
| 890-1638-1                         | MW-1                   | 101                                            | 99               | 106             | 103             |
| 890-1638-2                         | MW-2                   | 96                                             | 98               | 103             | 100             |
| LCS 860-32248/3                    | Lab Control Sample     | 97                                             | 100              | 98              | 97              |
| LCSD 860-32248/4                   | Lab Control Sample Dup | 99                                             | 99               | 97              | 97              |
| MB 860-32248/10                    | Method Blank           | 99                                             | 100              | 103             | 99              |
| <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) |
| 890-1638-1              | MW-1                   | 98                                             | 103               |
| 890-1638-1 MS           | MW-1                   | 115                                            | 91                |
| 890-1638-2              | MW-2                   | 76                                             | 82                |
| LCS 860-32506/2-A       | Lab Control Sample     | 115                                            | 91                |
| LCSD 860-32506/3-A      | Lab Control Sample Dup | 119                                            | 94                |
| MB 860-32506/1-A        | Method Blank           | 106                                            | 109               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-32248/10

Matrix: Water

Analysis Batch: 32248

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                       | MB Result | MB Qualifier | RL      | Unit          | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|---------|---------------|---|----------|----------------|---------|
| Benzene                       | <0.00100  | U            | 0.00100 | 0.000214 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromobenzene                  | <0.00100  | U            | 0.00100 | 0.000300 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromochloromethane            | <0.00100  | U            | 0.00100 | 0.000209 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromodichloromethane          | <0.00100  | U            | 0.00100 | 0.000231 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromoform                     | <0.00500  | U            | 0.00500 | 0.000630 mg/L |   |          | 11/30/21 11:16 | 1       |
| Bromomethane                  | <0.00500  | U            | 0.00500 | 0.00105 mg/L  |   |          | 11/30/21 11:16 | 1       |
| 2-Butanone                    | <0.0500   | U            | 0.0500  | 0.00270 mg/L  |   |          | 11/30/21 11:16 | 1       |
| Carbon tetrachloride          | <0.00500  | U            | 0.00500 | 0.000423 mg/L |   |          | 11/30/21 11:16 | 1       |
| Chlorobenzene                 | <0.00100  | U            | 0.00100 | 0.000159 mg/L |   |          | 11/30/21 11:16 | 1       |
| Chloroethane                  | <0.0100   | U            | 0.0100  | 0.000433 mg/L |   |          | 11/30/21 11:16 | 1       |
| Chloroform                    | <0.00100  | U            | 0.00100 | 0.000259 mg/L |   |          | 11/30/21 11:16 | 1       |
| Chloromethane                 | <0.0100   | U            | 0.0100  | 0.000318 mg/L |   |          | 11/30/21 11:16 | 1       |
| 2-Chlorotoluene               | <0.00100  | U            | 0.00100 | 0.000214 mg/L |   |          | 11/30/21 11:16 | 1       |
| 4-Chlorotoluene               | <0.00100  | U            | 0.00100 | 0.000183 mg/L |   |          | 11/30/21 11:16 | 1       |
| cis-1,2-Dichloroethene        | <0.00100  | U            | 0.00100 | 0.000174 mg/L |   |          | 11/30/21 11:16 | 1       |
| cis-1,3-Dichloropropene       | <0.00500  | U            | 0.00500 | 0.000690 mg/L |   |          | 11/30/21 11:16 | 1       |
| Dibromochloromethane          | <0.00500  | U            | 0.00500 | 0.000739 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dibromo-3-Chloropropane   | <0.00500  | U            | 0.00500 | 0.000319 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dibromoethane             | <0.00500  | U            | 0.00500 | 0.000337 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dichlorobenzene           | <0.00100  | U            | 0.00100 | 0.000236 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,3-Dichlorobenzene           | <0.00100  | U            | 0.00100 | 0.000197 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,4-Dichlorobenzene           | <0.00100  | U            | 0.00100 | 0.000199 mg/L |   |          | 11/30/21 11:16 | 1       |
| Dichlorodifluoromethane       | <0.00100  | U            | 0.00100 | 0.000316 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1-Dichloroethane            | <0.00100  | U            | 0.00100 | 0.000244 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dichloroethane            | <0.00100  | U            | 0.00100 | 0.000285 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1-Dichloroethene            | <0.00100  | U            | 0.00100 | 0.000216 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2-Dichloropropane           | <0.00500  | U            | 0.00500 | 0.000396 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,3-Dichloropropane           | <0.00500  | U            | 0.00500 | 0.000439 mg/L |   |          | 11/30/21 11:16 | 1       |
| 2,2-Dichloropropane           | <0.00500  | U            | 0.00500 | 0.000360 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1-Dichloropropene           | <0.00500  | U            | 0.00500 | 0.000481 mg/L |   |          | 11/30/21 11:16 | 1       |
| Ethylbenzene                  | <0.00100  | U            | 0.00100 | 0.000515 mg/L |   |          | 11/30/21 11:16 | 1       |
| Hexachlorobutadiene           | <0.00500  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 11:16 | 1       |
| Isopropylbenzene              | <0.00100  | U            | 0.00100 | 0.000161 mg/L |   |          | 11/30/21 11:16 | 1       |
| Methylene Chloride            | <0.00500  | U            | 0.00500 | 0.00191 mg/L  |   |          | 11/30/21 11:16 | 1       |
| m,p-Xylenes                   | <0.0100   | U            | 0.0100  | 0.000330 mg/L |   |          | 11/30/21 11:16 | 1       |
| MTBE                          | <0.00500  | U            | 0.00500 | 0.000571 mg/L |   |          | 11/30/21 11:16 | 1       |
| Naphthalene                   | <0.0100   | U            | 0.0100  | 0.00200 mg/L  |   |          | 11/30/21 11:16 | 1       |
| n-Butylbenzene                | <0.00100  | U            | 0.00100 | 0.000286 mg/L |   |          | 11/30/21 11:16 | 1       |
| N-Propylbenzene               | <0.00100  | U            | 0.00100 | 0.000179 mg/L |   |          | 11/30/21 11:16 | 1       |
| o-Xylene                      | <0.00100  | U            | 0.00100 | 0.000192 mg/L |   |          | 11/30/21 11:16 | 1       |
| p-Cymene (p-Isopropyltoluene) | <0.00100  | U            | 0.00100 | 0.000233 mg/L |   |          | 11/30/21 11:16 | 1       |
| sec-Butylbenzene              | <0.00100  | U            | 0.00100 | 0.000199 mg/L |   |          | 11/30/21 11:16 | 1       |
| Styrene                       | <0.00100  | U            | 0.00100 | 0.000623 mg/L |   |          | 11/30/21 11:16 | 1       |
| tert-Butylbenzene             | <0.00100  | U            | 0.00100 | 0.000195 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1,1,2-Tetrachloroethane     | <0.00100  | U            | 0.00100 | 0.000327 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1,2,2-Tetrachloroethane     | <0.00100  | U            | 0.00100 | 0.000284 mg/L |   |          | 11/30/21 11:16 | 1       |
| Tetrachloroethene             | <0.00100  | U            | 0.00100 | 0.000500 mg/L |   |          | 11/30/21 11:16 | 1       |
| Toluene                       | <0.00100  | U            | 0.00100 | 0.000500 mg/L |   |          | 11/30/21 11:16 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-32248/10

Matrix: Water

Analysis Batch: 32248

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  | <0.00100  | U            | 0.00100 | 0.000256 mg/L |   |          | 11/30/21 11:16 | 1       |
| trans-1,3-Dichloropropene | <0.00500  | U            | 0.00500 | 0.000752 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2,3-Trichlorobenzene    | <0.00500  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 11:16 | 1       |
| 1,2,4-Trichlorobenzene    | <0.00500  | U            | 0.00500 | 0.00200 mg/L  |   |          | 11/30/21 11:16 | 1       |
| 1,1,1-Trichloroethane     | <0.00500  | U            | 0.00500 | 0.000504 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,1,2-Trichloroethane     | <0.00100  | U            | 0.00100 | 0.000228 mg/L |   |          | 11/30/21 11:16 | 1       |
| Trichloroethene           | <0.00500  | U            | 0.00500 | 0.000424 mg/L |   |          | 11/30/21 11:16 | 1       |
| Trichlorofluoromethane    | <0.00100  | U            | 0.00100 | 0.000245 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2,3-Trichloropropane    | <0.00100  | U            | 0.00100 | 0.000283 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,2,4-Trimethylbenzene    | <0.00100  | U            | 0.00100 | 0.000252 mg/L |   |          | 11/30/21 11:16 | 1       |
| 1,3,5-Trimethylbenzene    | <0.00100  | U            | 0.00100 | 0.000279 mg/L |   |          | 11/30/21 11:16 | 1       |
| Vinyl chloride            | <0.00200  | U            | 0.00200 | 0.000234 mg/L |   |          | 11/30/21 11:16 | 1       |
| Xylenes, Total            | <0.0100   | U            | 0.0100  | 0.000330 mg/L |   |          | 11/30/21 11:16 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 99           |              | 74 - 124 |          | 11/30/21 11:16 | 1       |
| Dibromofluoromethane (Surr)  | 100          |              | 75 - 131 |          | 11/30/21 11:16 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103          |              | 63 - 144 |          | 11/30/21 11:16 | 1       |
| Toluene-d8 (Surr)            | 99           |              | 80 - 117 |          | 11/30/21 11:16 | 1       |

Lab Sample ID: LCS 860-32248/3

Matrix: Water

Analysis Batch: 32248

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      | 0.04619    |               | mg/L |   | 92   | 66 - 142     |
| Bromobenzene                | 0.0500      | 0.04494    |               | mg/L |   | 90   | 75 - 125     |
| Bromochloromethane          | 0.0500      | 0.04902    |               | mg/L |   | 98   | 60 - 140     |
| Bromodichloromethane        | 0.0500      | 0.04807    |               | mg/L |   | 96   | 75 - 125     |
| Bromoform                   | 0.0500      | 0.04995    |               | mg/L |   | 100  | 75 - 125     |
| Bromomethane                | 0.0500      | 0.04716    |               | mg/L |   | 94   | 60 - 140     |
| 2-Butanone                  | 0.250       | 0.2426     |               | mg/L |   | 97   | 60 - 140     |
| Carbon tetrachloride        | 0.0500      | 0.04815    |               | mg/L |   | 96   | 62 - 125     |
| Chlorobenzene               | 0.0500      | 0.04601    |               | mg/L |   | 92   | 60 - 133     |
| Chloroethane                | 0.0500      | 0.04659    |               | mg/L |   | 93   | 60 - 140     |
| Chloroform                  | 0.0500      | 0.04751    |               | mg/L |   | 95   | 70 - 130     |
| Chloromethane               | 0.0500      | 0.04416    |               | mg/L |   | 88   | 60 - 140     |
| 2-Chlorotoluene             | 0.0500      | 0.04475    |               | mg/L |   | 89   | 73 - 125     |
| 4-Chlorotoluene             | 0.0500      | 0.04520    |               | mg/L |   | 90   | 74 - 125     |
| cis-1,2-Dichloroethene      | 0.0500      | 0.04817    |               | mg/L |   | 96   | 75 - 125     |
| cis-1,3-Dichloropropene     | 0.0500      | 0.04915    |               | mg/L |   | 98   | 74 - 125     |
| Dibromochloromethane        | 0.0500      | 0.04814    |               | mg/L |   | 96   | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane | 0.0500      | 0.05133    |               | mg/L |   | 103  | 59 - 125     |
| 1,2-Dibromoethane           | 0.0500      | 0.04730    |               | mg/L |   | 95   | 73 - 125     |
| 1,2-Dichlorobenzene         | 0.0500      | 0.04573    |               | mg/L |   | 91   | 75 - 125     |
| 1,3-Dichlorobenzene         | 0.0500      | 0.04575    |               | mg/L |   | 91   | 75 - 125     |
| 1,4-Dichlorobenzene         | 0.0500      | 0.04502    |               | mg/L |   | 90   | 75 - 125     |
| Dichlorodifluoromethane     | 0.0500      | 0.05904    |               | mg/L |   | 118  | 70 - 130     |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCS 860-32248/3

Matrix: Water

Analysis Batch: 32248

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      | 0.04644    |               | mg/L |   | 93   | 72 - 125     |
| 1,2-Dichloroethane            | 0.0500      | 0.04801    |               | mg/L |   | 96   | 68 - 127     |
| 1,1-Dichloroethene            | 0.0500      | 0.04699    |               | mg/L |   | 94   | 59 - 172     |
| 1,2-Dichloropropane           | 0.0500      | 0.04654    |               | mg/L |   | 93   | 74 - 125     |
| 1,3-Dichloropropane           | 0.0500      | 0.04667    |               | mg/L |   | 93   | 75 - 125     |
| 2,2-Dichloropropane           | 0.0500      | 0.05429    |               | mg/L |   | 109  | 75 - 125     |
| 1,1-Dichloropropene           | 0.0500      | 0.04780    |               | mg/L |   | 96   | 75 - 125     |
| Ethylbenzene                  | 0.0500      | 0.04648    |               | mg/L |   | 93   | 75 - 125     |
| Hexachlorobutadiene           | 0.0500      | 0.04946    |               | mg/L |   | 99   | 75 - 125     |
| Isopropylbenzene              | 0.0500      | 0.04805    |               | mg/L |   | 96   | 75 - 125     |
| Methylene Chloride            | 0.0500      | 0.04309    |               | mg/L |   | 86   | 75 - 125     |
| m,p-Xylenes                   | 0.0500      | 0.04711    |               | mg/L |   | 94   | 75 - 125     |
| MTBE                          | 0.0500      | 0.04914    |               | mg/L |   | 98   | 65 - 135     |
| Naphthalene                   | 0.0500      | 0.05289    |               | mg/L |   | 106  | 70 - 130     |
| n-Butylbenzene                | 0.0500      | 0.04659    |               | mg/L |   | 93   | 75 - 125     |
| N-Propylbenzene               | 0.0500      | 0.04538    |               | mg/L |   | 91   | 75 - 125     |
| o-Xylene                      | 0.0500      | 0.04795    |               | mg/L |   | 96   | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.04692    |               | mg/L |   | 94   | 75 - 125     |
| sec-Butylbenzene              | 0.0500      | 0.04612    |               | mg/L |   | 92   | 75 - 125     |
| Styrene                       | 0.0500      | 0.04839    |               | mg/L |   | 97   | 75 - 125     |
| tert-Butylbenzene             | 0.0500      | 0.04532    |               | mg/L |   | 91   | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.04683    |               | mg/L |   | 94   | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04648    |               | mg/L |   | 93   | 74 - 125     |
| Tetrachloroethene             | 0.0500      | 0.04676    |               | mg/L |   | 94   | 71 - 125     |
| Toluene                       | 0.0500      | 0.04501    |               | mg/L |   | 90   | 59 - 139     |
| trans-1,2-Dichloroethene      | 0.0500      | 0.04768    |               | mg/L |   | 95   | 75 - 125     |
| trans-1,3-Dichloropropene     | 0.0500      | 0.04755    |               | mg/L |   | 95   | 66 - 125     |
| 1,2,3-Trichlorobenzene        | 0.0500      | 0.05167    |               | mg/L |   | 103  | 75 - 137     |
| 1,2,4-Trichlorobenzene        | 0.0500      | 0.05194    |               | mg/L |   | 104  | 75 - 135     |
| 1,1,1-Trichloroethane         | 0.0500      | 0.04710    |               | mg/L |   | 94   | 75 - 125     |
| 1,1,2-Trichloroethane         | 0.0500      | 0.04706    |               | mg/L |   | 94   | 75 - 127     |
| Trichloroethene               | 0.0500      | 0.04796    |               | mg/L |   | 96   | 62 - 137     |
| Trichlorofluoromethane        | 0.0500      | 0.05185    |               | mg/L |   | 104  | 60 - 140     |
| 1,2,3-Trichloropropane        | 0.0500      | 0.04570    |               | mg/L |   | 91   | 75 - 125     |
| 1,2,4-Trimethylbenzene        | 0.0500      | 0.04582    |               | mg/L |   | 92   | 75 - 125     |
| 1,3,5-Trimethylbenzene        | 0.0500      | 0.04520    |               | mg/L |   | 90   | 60 - 140     |
| Vinyl chloride                | 0.0500      | 0.04693    |               | mg/L |   | 94   | 60 - 140     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 97            |               | 74 - 124 |
| Dibromofluoromethane (Surr)  | 100           |               | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 98            |               | 63 - 144 |
| Toluene-d8 (Surr)            | 97            |               | 80 - 117 |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-32248/4

Matrix: Water

Analysis Batch: 32248

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      | 0.04792     |                | mg/L |   | 96   | 66 - 142     | 4   | 25        |
| Bromobenzene                  | 0.0500      | 0.04744     |                | mg/L |   | 95   | 75 - 125     | 5   | 25        |
| Bromochloromethane            | 0.0500      | 0.05010     |                | mg/L |   | 100  | 60 - 140     | 2   | 25        |
| Bromodichloromethane          | 0.0500      | 0.04923     |                | mg/L |   | 98   | 75 - 125     | 2   | 25        |
| Bromoform                     | 0.0500      | 0.05172     |                | mg/L |   | 103  | 75 - 125     | 3   | 25        |
| Bromomethane                  | 0.0500      | 0.05100     |                | mg/L |   | 102  | 60 - 140     | 8   | 25        |
| 2-Butanone                    | 0.250       | 0.2387      |                | mg/L |   | 95   | 60 - 140     | 2   | 25        |
| Carbon tetrachloride          | 0.0500      | 0.05109     |                | mg/L |   | 102  | 62 - 125     | 6   | 25        |
| Chlorobenzene                 | 0.0500      | 0.04831     |                | mg/L |   | 97   | 60 - 133     | 5   | 25        |
| Chloroethane                  | 0.0500      | 0.04939     |                | mg/L |   | 99   | 60 - 140     | 6   | 25        |
| Chloroform                    | 0.0500      | 0.04897     |                | mg/L |   | 98   | 70 - 130     | 3   | 25        |
| Chloromethane                 | 0.0500      | 0.04843     |                | mg/L |   | 97   | 60 - 140     | 9   | 25        |
| 2-Chlorotoluene               | 0.0500      | 0.04832     |                | mg/L |   | 97   | 73 - 125     | 8   | 25        |
| 4-Chlorotoluene               | 0.0500      | 0.04843     |                | mg/L |   | 97   | 74 - 125     | 7   | 25        |
| cis-1,2-Dichloroethene        | 0.0500      | 0.04924     |                | mg/L |   | 98   | 75 - 125     | 2   | 25        |
| cis-1,3-Dichloropropene       | 0.0500      | 0.05130     |                | mg/L |   | 103  | 74 - 125     | 4   | 25        |
| Dibromochloromethane          | 0.0500      | 0.04997     |                | mg/L |   | 100  | 73 - 125     | 4   | 25        |
| 1,2-Dibromo-3-Chloropropane   | 0.0500      | 0.05400     |                | mg/L |   | 108  | 59 - 125     | 5   | 25        |
| 1,2-Dibromoethane             | 0.0500      | 0.04877     |                | mg/L |   | 98   | 73 - 125     | 3   | 25        |
| 1,2-Dichlorobenzene           | 0.0500      | 0.04937     |                | mg/L |   | 99   | 75 - 125     | 8   | 25        |
| 1,3-Dichlorobenzene           | 0.0500      | 0.04942     |                | mg/L |   | 99   | 75 - 125     | 8   | 25        |
| 1,4-Dichlorobenzene           | 0.0500      | 0.04864     |                | mg/L |   | 97   | 75 - 125     | 8   | 25        |
| Dichlorodifluoromethane       | 0.0500      | 0.06324     |                | mg/L |   | 126  | 70 - 130     | 7   | 25        |
| 1,1-Dichloroethane            | 0.0500      | 0.04721     |                | mg/L |   | 94   | 72 - 125     | 2   | 25        |
| 1,2-Dichloroethane            | 0.0500      | 0.04913     |                | mg/L |   | 98   | 68 - 127     | 2   | 25        |
| 1,1-Dichloroethene            | 0.0500      | 0.04929     |                | mg/L |   | 99   | 59 - 172     | 5   | 25        |
| 1,2-Dichloropropane           | 0.0500      | 0.04815     |                | mg/L |   | 96   | 74 - 125     | 3   | 25        |
| 1,3-Dichloropropane           | 0.0500      | 0.04875     |                | mg/L |   | 97   | 75 - 125     | 4   | 25        |
| 2,2-Dichloropropane           | 0.0500      | 0.05665     |                | mg/L |   | 113  | 75 - 125     | 4   | 25        |
| 1,1-Dichloropropene           | 0.0500      | 0.04950     |                | mg/L |   | 99   | 75 - 125     | 3   | 25        |
| Ethylbenzene                  | 0.0500      | 0.04918     |                | mg/L |   | 98   | 75 - 125     | 6   | 25        |
| Hexachlorobutadiene           | 0.0500      | 0.05436     |                | mg/L |   | 109  | 75 - 125     | 9   | 25        |
| Isopropylbenzene              | 0.0500      | 0.05123     |                | mg/L |   | 102  | 75 - 125     | 6   | 25        |
| Methylene Chloride            | 0.0500      | 0.04423     |                | mg/L |   | 88   | 75 - 125     | 3   | 25        |
| m,p-Xylenes                   | 0.0500      | 0.05003     |                | mg/L |   | 100  | 75 - 125     | 6   | 25        |
| MTBE                          | 0.0500      | 0.05007     |                | mg/L |   | 100  | 65 - 135     | 2   | 25        |
| Naphthalene                   | 0.0500      | 0.05439     |                | mg/L |   | 109  | 70 - 130     | 3   | 25        |
| n-Butylbenzene                | 0.0500      | 0.05168     |                | mg/L |   | 103  | 75 - 125     | 10  | 25        |
| N-Propylbenzene               | 0.0500      | 0.04943     |                | mg/L |   | 99   | 75 - 125     | 9   | 25        |
| o-Xylene                      | 0.0500      | 0.05050     |                | mg/L |   | 101  | 75 - 125     | 5   | 25        |
| p-Cymene (p-Isopropyltoluene) | 0.0500      | 0.05134     |                | mg/L |   | 103  | 75 - 125     | 9   | 25        |
| sec-Butylbenzene              | 0.0500      | 0.05073     |                | mg/L |   | 101  | 75 - 125     | 10  | 25        |
| Styrene                       | 0.0500      | 0.05099     |                | mg/L |   | 102  | 75 - 125     | 5   | 25        |
| tert-Butylbenzene             | 0.0500      | 0.04961     |                | mg/L |   | 99   | 75 - 125     | 9   | 25        |
| 1,1,1,2-Tetrachloroethane     | 0.0500      | 0.04847     |                | mg/L |   | 97   | 72 - 125     | 3   | 25        |
| 1,1,2,2-Tetrachloroethane     | 0.0500      | 0.04856     |                | mg/L |   | 97   | 74 - 125     | 4   | 25        |
| Tetrachloroethene             | 0.0500      | 0.04936     |                | mg/L |   | 99   | 71 - 125     | 5   | 25        |
| Toluene                       | 0.0500      | 0.04724     |                | mg/L |   | 94   | 59 - 139     | 5   | 25        |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCSD 860-32248/4

Matrix: Water

Analysis Batch: 32248

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      | 0.04896     |                | mg/L |   | 98   | 75 - 125     | 3   | 25        |
| trans-1,3-Dichloropropene | 0.0500      | 0.05010     |                | mg/L |   | 100  | 66 - 125     | 5   | 25        |
| 1,2,3-Trichlorobenzene    | 0.0500      | 0.05288     |                | mg/L |   | 106  | 75 - 137     | 2   | 25        |
| 1,2,4-Trichlorobenzene    | 0.0500      | 0.05463     |                | mg/L |   | 109  | 75 - 135     | 5   | 25        |
| 1,1,1-Trichloroethane     | 0.0500      | 0.04932     |                | mg/L |   | 99   | 75 - 125     | 5   | 25        |
| 1,1,2-Trichloroethane     | 0.0500      | 0.04804     |                | mg/L |   | 96   | 75 - 127     | 2   | 25        |
| Trichloroethene           | 0.0500      | 0.04944     |                | mg/L |   | 99   | 62 - 137     | 3   | 25        |
| Trichlorofluoromethane    | 0.0500      | 0.05591     |                | mg/L |   | 112  | 60 - 140     | 8   | 25        |
| 1,2,3-Trichloropropane    | 0.0500      | 0.05135     |                | mg/L |   | 103  | 75 - 125     | 12  | 25        |
| 1,2,4-Trimethylbenzene    | 0.0500      | 0.04963     |                | mg/L |   | 99   | 75 - 125     | 8   | 25        |
| 1,3,5-Trimethylbenzene    | 0.0500      | 0.04919     |                | mg/L |   | 98   | 60 - 140     | 8   | 25        |
| Vinyl chloride            | 0.0500      | 0.04959     |                | mg/L |   | 99   | 60 - 140     | 6   | 25        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr)  | 99             |                | 74 - 124    |
| Dibromofluoromethane (Surr)  | 99             |                | 75 - 131    |
| 1,2-Dichloroethane-d4 (Surr) | 97             |                | 63 - 144    |
| Toluene-d8 (Surr)            | 97             |                | 80 - 117    |

Lab Sample ID: 870-4308-D-4 MS

Matrix: Water

Analysis Batch: 32248

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Benzene                     | <0.00100      | U                | 0.0500      | 0.05312   |              | mg/L |   | 106  | 66 - 142     |
| Bromobenzene                | <0.00100      | U                | 0.0500      | 0.05159   |              | mg/L |   | 103  | 75 - 125     |
| Bromochloromethane          | <0.00100      | U                | 0.0500      | 0.05354   |              | mg/L |   | 107  | 60 - 140     |
| Bromodichloromethane        | <0.00100      | U                | 0.0500      | 0.05346   |              | mg/L |   | 107  | 75 - 125     |
| Bromoform                   | <0.00500      | U                | 0.0500      | 0.05304   |              | mg/L |   | 106  | 75 - 125     |
| Bromomethane                | <0.00500      | U                | 0.0500      | 0.05246   |              | mg/L |   | 105  | 60 - 140     |
| 2-Butanone                  | <0.0500       | U                | 0.250       | 0.2487    |              | mg/L |   | 99   | 60 - 140     |
| Carbon tetrachloride        | <0.00500      | U                | 0.0500      | 0.05726   |              | mg/L |   | 115  | 62 - 125     |
| Chlorobenzene               | <0.00100      | U                | 0.0500      | 0.05296   |              | mg/L |   | 106  | 60 - 133     |
| Chloroethane                | <0.0100       | U                | 0.0500      | 0.05076   |              | mg/L |   | 102  | 60 - 140     |
| Chloroform                  | <0.00100      | U                | 0.0500      | 0.05347   |              | mg/L |   | 107  | 70 - 130     |
| Chloromethane               | <0.0100       | U                | 0.0500      | 0.04920   |              | mg/L |   | 98   | 60 - 140     |
| 2-Chlorotoluene             | <0.00100      | U                | 0.0500      | 0.05358   |              | mg/L |   | 107  | 73 - 125     |
| 4-Chlorotoluene             | <0.00100      | U                | 0.0500      | 0.05322   |              | mg/L |   | 106  | 74 - 125     |
| cis-1,2-Dichloroethene      | <0.00100      | U                | 0.0500      | 0.05412   |              | mg/L |   | 108  | 75 - 125     |
| cis-1,3-Dichloropropene     | <0.00500      | U                | 0.0500      | 0.05586   |              | mg/L |   | 112  | 74 - 125     |
| Dibromochloromethane        | <0.00500      | U                | 0.0500      | 0.05285   |              | mg/L |   | 106  | 73 - 125     |
| 1,2-Dibromo-3-Chloropropane | <0.00500      | U                | 0.0500      | 0.05062   |              | mg/L |   | 101  | 59 - 125     |
| 1,2-Dibromoethane           | <0.00500      | U                | 0.0500      | 0.05170   |              | mg/L |   | 103  | 73 - 125     |
| 1,2-Dichlorobenzene         | <0.00100      | U                | 0.0500      | 0.05258   |              | mg/L |   | 105  | 75 - 125     |
| 1,3-Dichlorobenzene         | <0.00100      | U                | 0.0500      | 0.05331   |              | mg/L |   | 107  | 75 - 125     |
| 1,4-Dichlorobenzene         | <0.00100      | U                | 0.0500      | 0.05238   |              | mg/L |   | 105  | 75 - 125     |
| Dichlorodifluoromethane     | <0.00100      | U F1             | 0.0500      | 0.07006   | F1           | mg/L |   | 140  | 70 - 130     |
| 1,1-Dichloroethane          | <0.00100      | U                | 0.0500      | 0.05252   |              | mg/L |   | 105  | 72 - 125     |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: 870-4308-D-4 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 32248

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2-Dichloroethane            | <0.00100      | U                | 0.0500      | 0.05246   |              | mg/L |   | 105  | 68 - 127     |
| 1,1-Dichloroethene            | <0.00100      | U                | 0.0500      | 0.05448   |              | mg/L |   | 109  | 59 - 172     |
| 1,2-Dichloropropane           | <0.00500      | U                | 0.0500      | 0.05240   |              | mg/L |   | 105  | 74 - 125     |
| 1,3-Dichloropropane           | <0.00500      | U                | 0.0500      | 0.05157   |              | mg/L |   | 103  | 75 - 125     |
| 2,2-Dichloropropane           | <0.00500      | U F1             | 0.0500      | 0.06367   | F1           | mg/L |   | 127  | 75 - 125     |
| 1,1-Dichloropropene           | <0.00500      | U                | 0.0500      | 0.05627   |              | mg/L |   | 113  | 75 - 125     |
| Ethylbenzene                  | <0.00100      | U                | 0.0500      | 0.05526   |              | mg/L |   | 111  | 75 - 125     |
| Hexachlorobutadiene           | <0.00500      | U                | 0.0500      | 0.06022   |              | mg/L |   | 120  | 75 - 125     |
| Isopropylbenzene              | <0.00100      | U                | 0.0500      | 0.05810   |              | mg/L |   | 116  | 75 - 125     |
| Methylene Chloride            | <0.00500      | U                | 0.0500      | 0.04763   |              | mg/L |   | 95   | 75 - 125     |
| m,p-Xylenes                   | <0.0100       | U                | 0.0500      | 0.05585   |              | mg/L |   | 112  | 75 - 125     |
| MTBE                          | <0.00500      | U                | 0.0500      | 0.05274   |              | mg/L |   | 105  | 65 - 135     |
| Naphthalene                   | <0.0100       | U                | 0.0500      | 0.05202   |              | mg/L |   | 104  | 70 - 130     |
| n-Butylbenzene                | <0.00100      | U                | 0.0500      | 0.05856   |              | mg/L |   | 117  | 75 - 125     |
| N-Propylbenzene               | <0.00100      | U                | 0.0500      | 0.05537   |              | mg/L |   | 111  | 75 - 125     |
| o-Xylene                      | <0.00100      | U                | 0.0500      | 0.05542   |              | mg/L |   | 111  | 75 - 125     |
| p-Cymene (p-Isopropyltoluene) | <0.00100      | U                | 0.0500      | 0.05804   |              | mg/L |   | 116  | 75 - 125     |
| sec-Butylbenzene              | <0.00100      | U                | 0.0500      | 0.05759   |              | mg/L |   | 115  | 75 - 125     |
| Styrene                       | <0.00100      | U                | 0.0500      | 0.05558   |              | mg/L |   | 111  | 75 - 125     |
| tert-Butylbenzene             | <0.00100      | U                | 0.0500      | 0.05673   |              | mg/L |   | 113  | 75 - 125     |
| 1,1,1,2-Tetrachloroethane     | <0.00100      | U                | 0.0500      | 0.05386   |              | mg/L |   | 108  | 72 - 125     |
| 1,1,2,2-Tetrachloroethane     | <0.00100      | U                | 0.0500      | 0.05041   |              | mg/L |   | 101  | 74 - 125     |
| Tetrachloroethene             | <0.00100      | U                | 0.0500      | 0.05728   |              | mg/L |   | 115  | 71 - 125     |
| Toluene                       | <0.00100      | U                | 0.0500      | 0.05293   |              | mg/L |   | 106  | 59 - 139     |
| trans-1,2-Dichloroethene      | <0.00100      | U                | 0.0500      | 0.05390   |              | mg/L |   | 108  | 75 - 125     |
| trans-1,3-Dichloropropene     | <0.00500      | U                | 0.0500      | 0.05351   |              | mg/L |   | 107  | 66 - 125     |
| 1,2,3-Trichlorobenzene        | <0.00500      | U                | 0.0500      | 0.05212   |              | mg/L |   | 104  | 75 - 137     |
| 1,2,4-Trichlorobenzene        | <0.00500      | U                | 0.0500      | 0.05647   |              | mg/L |   | 113  | 75 - 135     |
| 1,1,1-Trichloroethane         | <0.00500      | U                | 0.0500      | 0.05548   |              | mg/L |   | 111  | 75 - 125     |
| 1,1,2-Trichloroethane         | <0.00100      | U                | 0.0500      | 0.05123   |              | mg/L |   | 102  | 75 - 127     |
| Trichloroethene               | <0.00500      | U                | 0.0500      | 0.05649   |              | mg/L |   | 113  | 62 - 137     |
| Trichlorofluoromethane        | <0.00100      | U                | 0.0500      | 0.06010   |              | mg/L |   | 120  | 60 - 140     |
| 1,2,3-Trichloropropane        | <0.00100      | U                | 0.0500      | 0.04926   |              | mg/L |   | 99   | 75 - 125     |
| 1,2,4-Trimethylbenzene        | <0.00100      | U                | 0.0500      | 0.05491   |              | mg/L |   | 110  | 75 - 125     |
| 1,3,5-Trimethylbenzene        | <0.00100      | U                | 0.0500      | 0.05482   |              | mg/L |   | 110  | 70 - 125     |
| Vinyl chloride                | <0.00200      | U                | 0.0500      | 0.05296   |              | mg/L |   | 106  | 60 - 140     |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr)  | 98           |              | 74 - 124 |
| Dibromofluoromethane (Surr)  | 99           |              | 75 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 98           |              | 63 - 144 |
| Toluene-d8 (Surr)            | 98           |              | 80 - 117 |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-32506/1-A

Matrix: Water

Analysis Batch: 32465

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32506

| Analyte                              | MB<br>Result | MB<br>Qualifier | RL   | Unit       | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|-----------------|------|------------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <5.00        | U               | 5.00 | 0.988 mg/L |   | 12/01/21 12:00 | 12/01/21 14:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <5.00        | U               | 5.00 | 0.988 mg/L |   | 12/01/21 12:00 | 12/01/21 14:39 | 1       |
| Oil Range Organics (Over C28-C36)    | <5.00        | U               | 5.00 | 0.954 mg/L |   | 12/01/21 12:00 | 12/01/21 14:39 | 1       |
| Total TPH                            | <5.00        | U               | 5.00 | 0.988 mg/L |   | 12/01/21 12:00 | 12/01/21 14:39 | 1       |

| Surrogate      | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 106             |                 | 70 - 135 | 12/01/21 12:00 | 12/01/21 14:39 | 1       |
| o-Terphenyl    | 109             |                 | 70 - 135 | 12/01/21 12:00 | 12/01/21 14:39 | 1       |

Lab Sample ID: LCS 860-32506/2-A

Matrix: Water

Analysis Batch: 32465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32506

| Analyte                              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|--------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 100            | 100.2         |                  | mg/L |   | 100  | 70 - 135        |
| Diesel Range Organics (Over C10-C28) | 100            | 95.29         |                  | mg/L |   | 95   | 70 - 135        |

| Surrogate      | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|----------------|------------------|------------------|----------|
| 1-Chlorooctane | 115              |                  | 70 - 135 |
| o-Terphenyl    | 91               |                  | 70 - 135 |

Lab Sample ID: LCSD 860-32506/3-A

Matrix: Water

Analysis Batch: 32465

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 32506

| 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 | 100            | 106.9          |                   | mg/L |   | 107  | 70 - 135        | 6   | 35           |
| Diesel Range Organics (Over C10-C28) | 100            | 101.9          |                   | mg/L |   | 102  | 70 - 135        | 7   | 35           |

| Surrogate      | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|----------------|-------------------|-------------------|----------|
| 1-Chlorooctane | 119               |                   | 70 - 135 |
| o-Terphenyl    | 94                |                   | 70 - 135 |

Lab Sample ID: 890-1638-1 MS

Matrix: Water

Analysis Batch: 32465

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 32506

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <4.70            | U                   | 91.7           | 95.94        |                 | mg/L |   | 105  | 70 - 135        |
| Diesel Range Organics (Over C10-C28) | <4.70            | U                   | 91.6           | 90.79        |                 | mg/L |   | 99   | 70 - 135        |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-1638-1 MS

Matrix: Water

Analysis Batch: 32465

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 32506

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 115       |           | 70 - 135 |
| o-Terphenyl    | 91        |           | 70 - 135 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-32258/13

Matrix: Water

Analysis Batch: 32258

Client Sample ID: Method Blank

Prep Type: Total/NA

|          | MB     | MB        |       |            |   |          |                |     |     |
|----------|--------|-----------|-------|------------|---|----------|----------------|-----|-----|
| Analyte  | Result | Qualifier | RL    | Unit       | D | Prepared | Analyzed       | Dil | Fac |
| Chloride | <0.500 | U         | 0.500 | 0.200 mg/L |   |          | 11/30/21 21:20 | 1   |     |
| Fluoride | <0.500 | U         | 0.500 | 0.100 mg/L |   |          | 11/30/21 21:20 | 1   |     |
| Sulfate  | <0.500 | U         | 0.500 | 0.109 mg/L |   |          | 11/30/21 21:20 | 1   |     |

Lab Sample ID: LCS 860-32258/14

Matrix: Water

Analysis Batch: 32258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

|          |        |           | Spike | LCS    | LCS       |      |   |      | %Rec.    |  |
|----------|--------|-----------|-------|--------|-----------|------|---|------|----------|--|
| Analyte  | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits   |  |
| Chloride |        |           | 10.0  | 9.801  |           | mg/L |   | 98   | 90 - 110 |  |
| Fluoride |        |           | 10.0  | 10.44  |           | mg/L |   | 104  | 90 - 110 |  |
| Sulfate  |        |           | 10.0  | 9.786  |           | mg/L |   | 98   | 90 - 110 |  |

Lab Sample ID: LCSD 860-32258/15

Matrix: Water

Analysis Batch: 32258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

|          |        |           | Spike | LCSD   | LCSD      |      |   |      | %Rec.    |     | RPD   |
|----------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte  | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits   | RPD | Limit |
| Chloride |        |           | 10.0  | 9.770  |           | mg/L |   | 98   | 90 - 110 | 0   | 20    |
| Fluoride |        |           | 10.0  | 10.41  |           | mg/L |   | 104  | 90 - 110 | 0   | 20    |
| Sulfate  |        |           | 10.0  | 9.770  |           | mg/L |   | 98   | 90 - 110 | 0   | 20    |

Lab Sample ID: 860-16378-A-1 MS

Matrix: Water

Analysis Batch: 32258

Client Sample ID: Matrix Spike

Prep Type: Total/NA

|          | Sample | Sample    | Spike | MS     | MS        |      |   |      | %Rec.    |  |
|----------|--------|-----------|-------|--------|-----------|------|---|------|----------|--|
| Analyte  | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits   |  |
| Chloride | 189    |           | 10.0  | 196.9  | 4         | mg/L |   | 80   | 90 - 110 |  |
| Fluoride | 0.464  | J         | 10.0  | 10.94  |           | mg/L |   | 105  | 90 - 110 |  |
| Sulfate  | 44.2   |           | 10.0  | 53.69  | 4         | mg/L |   | 95   | 90 - 110 |  |

Lab Sample ID: 860-16378-A-1 MSD

Matrix: Water

Analysis Batch: 32258

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

|          | Sample | Sample    | Spike | MSD    | MSD       |      |   |      | %Rec.    |     | RPD   |
|----------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte  | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits   | RPD | Limit |
| Chloride | 189    |           | 10.0  | 196.9  | 4         | mg/L |   | 80   | 90 - 110 | 0   | 20    |
| Fluoride | 0.464  | J         | 10.0  | 10.93  |           | mg/L |   | 105  | 90 - 110 | 0   | 20    |
| Sulfate  | 44.2   |           | 10.0  | 53.63  | 4         | mg/L |   | 94   | 90 - 110 | 0   | 20    |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: MB 860-32259/13

Matrix: Water

Analysis Batch: 32259

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 | <0.100       | U               | 0.100 | 0.0391 mg/L |   |          | 11/30/21 21:20 | 1       |
| Nitrite as N | 0.04424      | J               | 0.100 | 0.0293 mg/L |   |          | 11/30/21 21:20 | 1       |

Lab Sample ID: LCS 860-32259/14

Matrix: Water

Analysis Batch: 32259

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           | 9.846         |                  | mg/L |   | 98   | 80 - 120        |
| Nitrite as N | 2.50           | 2.609         |                  | mg/L |   | 104  | 80 - 120        |

Lab Sample ID: LCSD 860-32259/15

Matrix: Water

Analysis Batch: 32259

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           | 9.835          |                   | mg/L |   | 98   | 80 - 120        | 0   | 20           |
| Nitrite as N | 2.50           | 2.611          |                   | mg/L |   | 104  | 80 - 120        | 0   | 20           |

Lab Sample ID: 860-16378-A-1 MS

Matrix: Water

Analysis Batch: 32259

Client Sample ID: Matrix Spike

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 |
|--------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|
| Nitrate as N | 0.923            |                     | 10.0           | 10.92        |                 | mg/L |   | 100  | 80 - 120        |
| Nitrite as N | 0.171            | B                   | 2.50           | 2.547        |                 | mg/L |   | 95   | 80 - 120        |

Lab Sample ID: 860-16378-A-1 MSD

Matrix: Water

Analysis Batch: 32259

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte      | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|--------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|-----------------|-----|--------------|
| Nitrate as N | 0.923            |                     | 10.0           | 10.93         |                  | mg/L |   | 100  | 80 - 120        | 0   | 15           |
| Nitrite as N | 0.171            | B                   | 2.50           | 2.549         |                  | mg/L |   | 95   | 80 - 120        | 0   | 15           |

## Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-32860/1

Matrix: Water

Analysis Batch: 32860

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 |   |          | 12/01/21 10:03 | 1       |
| Bicarbonate Alkalinity as CaCO3 | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |
| Carbonate Alkalinity as CaCO3   | <4.00        | U               | 4.00 | 4.00 mg/L |   |          | 12/01/21 10:03 | 1       |

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## QC Sample Results

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

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

Lab Sample ID: LCS 860-32860/2

Matrix: Water

Analysis Batch: 32860

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|------|---|------|--------------|
| Alkalinity | 250         | 248.0      |               | mg/L |   | 99   | 85 - 115     |

Lab Sample ID: LCSD 860-32860/3

Matrix: Water

Analysis Batch: 32860

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         | 248.0       |                | mg/L |   | 99   | 85 - 115     | 0   | 20        |

Lab Sample ID: 860-15824-A-2 DU

Matrix: Water

Analysis Batch: 32860

Client Sample ID: Duplicate

Prep Type: Total/NA

| Analyte                         | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Alkalinity                      | 342           |                  | 340.0     |              | mg/L |   | 0.6 | 20        |
| Bicarbonate Alkalinity as CaCO3 | 342           |                  | 340.0     |              | mg/L |   | 0.6 | 20        |
| Carbonate Alkalinity as CaCO3   | <4.00         | U                | <4.00     | U            | mg/L |   | NC  | 20        |

## Method: SM 4500 H+ B - pH

Lab Sample ID: 890-1638-1 DU

Matrix: Water

Analysis Batch: 32405

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte     | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit    | D | RPD | RPD Limit |
|-------------|---------------|------------------|-----------|--------------|---------|---|-----|-----------|
| pH          | 6.8           | HF               | 6.7       |              | SU      |   | 0.6 | 20        |
| Temperature | 19.7          | HF               | 19.5      |              | Celsius |   | 1   | 20        |

## Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-32684/1

Matrix: Water

Analysis Batch: 32684

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL   | Unit       | D | Prepared | Analyzed       | Dil Fac |
|---------|-----------|--------------|------|------------|---|----------|----------------|---------|
| Sulfide | <5.00     | U            | 5.00 | 0.495 mg/L |   |          | 12/01/21 14:01 | 1       |

Lab Sample ID: LCS 860-32684/2

Matrix: Water

Analysis Batch: 32684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfide | 51.4        | 49.40      |               | mg/L |   | 96   | 80 - 120     |

Lab Sample ID: LCSD 860-32684/3

Matrix: Water

Analysis Batch: 32684

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 | 51.4        | 49.60       |                | mg/L |   | 97   | 80 - 120     | 0   | 20        |

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QC Sample Results

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 890-1638-1

Method: SM 4500 S2 F - Sulfide, Total (Continued)

|                              |        |           |       |        |           |      |   |      |          |                        |  |  |
|------------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|------------------------|--|--|
| Lab Sample ID: 890-1638-1 MS |        |           |       |        |           |      |   |      |          | Client Sample ID: MW-1 |  |  |
| Matrix: Water                |        |           |       |        |           |      |   |      |          | Prep Type: Total/NA    |  |  |
| Analysis Batch: 32684        |        |           |       |        |           |      |   |      |          |                        |  |  |
|                              | Sample | Sample    | Spike | MS     | MS        |      |   |      | %Rec.    |                        |  |  |
| Analyte                      | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits   |                        |  |  |
| Sulfide                      | <5.00  | U         | 51.4  | 49.80  |           | mg/L |   | 97   | 80 - 120 |                        |  |  |

|                               |        |           |       |        |           |      |   |      |          |                        |       |  |
|-------------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|------------------------|-------|--|
| Lab Sample ID: 890-1638-1 MSD |        |           |       |        |           |      |   |      |          | Client Sample ID: MW-1 |       |  |
| Matrix: Water                 |        |           |       |        |           |      |   |      |          | Prep Type: Total/NA    |       |  |
| Analysis Batch: 32684         |        |           |       |        |           |      |   |      |          |                        |       |  |
|                               | Sample | Sample    | Spike | MSD    | MSD       |      |   |      | %Rec.    |                        | RPD   |  |
| Analyte                       | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits   | RPD                    | Limit |  |
| Sulfide                       | <5.00  | U         | 51.4  | 49.60  |           | mg/L |   | 97   | 80 - 120 | 0                      | 20    |  |

## QC Association Summary

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

## GC/MS VOA

## Analysis Batch: 32248

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 890-1638-1       | MW-1                   | Total/NA  | Water  | 8260C  |            |
| 890-1638-2       | MW-2                   | Total/NA  | Water  | 8260C  |            |
| MB 860-32248/10  | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 860-32248/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 860-32248/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |
| 870-4308-D-4 MS  | Matrix Spike           | Total/NA  | Water  | 8260C  |            |

## GC Semi VOA

## Analysis Batch: 32219

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-1638-1    | MW-1             | Total/NA  | Water  | 8015 NM |            |
| 890-1638-2    | MW-2             | Total/NA  | Water  | 8015 NM |            |

## Analysis Batch: 32465

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-1638-1         | MW-1                   | Total/NA  | Water  | 8015B NM | 32506      |
| 890-1638-2         | MW-2                   | Total/NA  | Water  | 8015B NM | 32506      |
| MB 860-32506/1-A   | Method Blank           | Total/NA  | Water  | 8015B NM | 32506      |
| LCS 860-32506/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 32506      |
| LCSD 860-32506/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 32506      |
| 890-1638-1 MS      | MW-1                   | Total/NA  | Water  | 8015B NM | 32506      |

## Prep Batch: 32506

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| 890-1638-1         | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| 890-1638-2         | MW-2                   | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 860-32506/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 860-32506/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 860-32506/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |
| 890-1638-1 MS      | MW-1                   | Total/NA  | Water  | 8015NM Aq Prep |            |

## HPLC/IC

## Analysis Batch: 32258

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-1638-1        | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 890-1638-2        | MW-2                   | Total/NA  | Water  | 300.0  |            |
| 890-1638-2        | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-32258/13   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-32258/14  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-32258/15 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| 860-16378-A-1 MS  | Matrix Spike           | Total/NA  | Water  | 300.0  |            |
| 860-16378-A-1 MSD | Matrix Spike Duplicate | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 32259

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-1638-1        | MW-1                   | Total/NA  | Water  | 300.0  |            |
| 890-1638-2        | MW-2                   | Total/NA  | Water  | 300.0  |            |
| MB 860-32259/13   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 860-32259/14  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 860-32259/15 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

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## QC Association Summary

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

## HPLC/IC (Continued)

## Analysis Batch: 32259 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 860-16378-A-1 MS  | Matrix Spike           | Total/NA  | Water  | 300.0  |            |
| 860-16378-A-1 MSD | Matrix Spike Duplicate | Total/NA  | Water  | 300.0  |            |

## General Chemistry

## Analysis Batch: 32405

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 890-1638-1    | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |
| 890-1638-2    | MW-2             | Total/NA  | Water  | SM 4500 H+ B |            |
| 890-1638-1 DU | MW-1             | Total/NA  | Water  | SM 4500 H+ B |            |

## Analysis Batch: 32684

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|------------------|------------------------|-----------|--------|--------------|------------|
| 890-1638-1       | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 890-1638-2       | MW-2                   | Total/NA  | Water  | SM 4500 S2 F |            |
| MB 860-32684/1   | Method Blank           | Total/NA  | Water  | SM 4500 S2 F |            |
| LCS 860-32684/2  | Lab Control Sample     | Total/NA  | Water  | SM 4500 S2 F |            |
| LCSD 860-32684/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 4500 S2 F |            |
| 890-1638-1 MS    | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |
| 890-1638-1 MSD   | MW-1                   | Total/NA  | Water  | SM 4500 S2 F |            |

## Analysis Batch: 32860

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------------|-----------|--------|----------|------------|
| 890-1638-1       | MW-1                   | Total/NA  | Water  | SM 2320B |            |
| 890-1638-2       | MW-2                   | Total/NA  | Water  | SM 2320B |            |
| MB 860-32860/1   | Method Blank           | Total/NA  | Water  | SM 2320B |            |
| LCS 860-32860/2  | Lab Control Sample     | Total/NA  | Water  | SM 2320B |            |
| LCSD 860-32860/3 | Lab Control Sample Dup | Total/NA  | Water  | SM 2320B |            |
| 860-15824-A-2 DU | Duplicate              | Total/NA  | Water  | SM 2320B |            |

## Analysis Batch: 32928

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method        | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 890-1638-1    | MW-1             | Total/NA  | Water  | SM 4500 CO2 D |            |
| 890-1638-2    | MW-2             | Total/NA  | Water  | SM 4500 CO2 D |            |

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## Lab Chronicle

Client: Ensolum

Job ID: 890-1638-1

Project/Site: South Hobbs - 03B1417002

Client Sample ID: MW-1

Lab Sample ID: 890-1638-1

Date Collected: 11/24/21 09:35

Matrix: Water

Date Received: 11/24/21 12:24

| Prep Type | Batch Type | Batch Method   | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C          |     | 1          | 5 mL           | 5 mL         | 32248        | 11/30/21 14:21       | NA      | XEN STF |
| Total/NA  | Analysis   | 8015 NM        |     | 1          |                |              | 32219        | 12/01/21 19:01       | IS      | XEN STF |
| Total/NA  | Prep       | 8015NM Aq Prep |     |            | 31.9 mL        | 3 mL         | 32506        | 12/01/21 12:00       | SAR     | XEN STF |
| Total/NA  | Analysis   | 8015B NM       |     | 1          |                |              | 32465        | 12/01/21 15:32       | IS      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1          |                |              | 32258        | 12/01/21 02:26       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1          |                |              | 32259        | 12/01/21 02:26       | ANP     | XEN STF |
| Total/NA  | Analysis   | SM 2320B       |     | 1          | 50 mL          | 50 mL        | 32860        | 12/01/21 10:03       | YGG     | XEN STF |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1          |                |              | 32928        | 12/03/21 17:54       | AA      | XEN STF |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1          |                |              | 32405        | 11/30/21 19:37       | ANP     | XEN STF |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1          | 200 mL         | 200 mL       | 32684        | 12/01/21 14:01       | YVD     | XEN STF |

Client Sample ID: MW-2

Lab Sample ID: 890-1638-2

Date Collected: 11/24/21 10:30

Matrix: Water

Date Received: 11/24/21 12:24

| Prep Type | Batch Type | Batch Method   | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C          |     | 1          | 5 mL           | 5 mL         | 32248        | 11/30/21 14:41       | NA      | XEN STF |
| Total/NA  | Analysis   | 8015 NM        |     | 1          |                |              | 32219        | 12/01/21 19:01       | IS      | XEN STF |
| Total/NA  | Prep       | 8015NM Aq Prep |     |            | 32.7 mL        | 3 mL         | 32506        | 12/01/21 12:00       | SAR     | XEN STF |
| Total/NA  | Analysis   | 8015B NM       |     | 1          |                |              | 32465        | 12/01/21 16:08       | IS      | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1          |                |              | 32258        | 12/01/21 02:53       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 1          |                |              | 32259        | 12/01/21 02:53       | ANP     | XEN STF |
| Total/NA  | Analysis   | 300.0          |     | 10         |                |              | 32258        | 12/01/21 03:06       | ANP     | XEN STF |
| Total/NA  | Analysis   | SM 2320B       |     | 1          | 50 mL          | 50 mL        | 32860        | 12/01/21 10:03       | YGG     | XEN STF |
| Total/NA  | Analysis   | SM 4500 CO2 D  |     | 1          |                |              | 32928        | 12/03/21 17:54       | AA      | XEN STF |
| Total/NA  | Analysis   | SM 4500 H+ B   |     | 1          |                |              | 32405        | 11/30/21 19:37       | ANP     | XEN STF |
| Total/NA  | Analysis   | SM 4500 S2 F   |     | 1          | 200 mL         | 200 mL       | 32684        | 12/01/21 14:01       | YVD     | XEN STF |

## Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 890-1638-1

Laboratory: Eurofins Xenco, Stafford

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704215-21-44      | 06-30-22        |

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)    |
| 8015B NM        | 8015NM Aq Prep | Water  | Total TPH                            |
| 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: 890-1638-1

| Method         | Method Description                                    | Protocol | Laboratory |
|----------------|-------------------------------------------------------|----------|------------|
| 8260C          | Volatile Organic Compounds by GC/MS                   | SW846    | XEN STF    |
| 8015 NM        | Diesel Range Organics (DRO) (GC)                      | SW846    | XEN STF    |
| 8015B NM       | Diesel Range Organics (DRO) (GC)                      | SW846    | XEN STF    |
| 300.0          | Anions, Ion Chromatography                            | MCAWW    | XEN STF    |
| SM 2320B       | Alkalinity                                            | SM       | XEN STF    |
| SM 4500 CO2 D  | Carbon Dioxide and Forms of Alkalinity by Calculation | SM       | XEN STF    |
| SM 4500 H+ B   | pH                                                    | SM       | XEN STF    |
| SM 4500 S2 F   | Sulfide, Total                                        | SM       | XEN STF    |
| 5030C          | Purge and Trap                                        | SW846    | XEN STF    |
| 8015NM Aq Prep | Microextraction                                       | SW846    | XEN STF    |

**Protocol References:**

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:**

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

Sample Summary

Client: Ensolum  
Project/Site: South Hobbs - 03B1417002

Job ID: 890-1638-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-1638-1    | MW-1             | Water  | 11/24/21 09:35 | 11/24/21 12:24 | 75    |
| 890-1638-2    | MW-2             | Water  | 11/24/21 10:30 | 11/24/21 12:24 | 85    |

- 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) 585-3443 Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000

Chain of Custody

Work Order No: \_\_\_\_\_

|                  |                   |                         |                       |
|------------------|-------------------|-------------------------|-----------------------|
| Project Manager: | Beaux Jennings    | Bill to: (if different) |                       |
| Company Name:    | Ensolum LLC       | Company Name:           |                       |
| Address:         | 705 W Wadley #210 | Address:                |                       |
| City, State ZIP: | Midland TX        | City, State ZIP:        |                       |
| Phone:           | 432-230-3344      | Email:                  | bjennings@ensolum.com |

|                                                                                                                                                                                                                 |                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input checked="" type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |                                                                                                                 |
| State of Project:                                                                                                                                                                                               |                                                                                                                 |
| Reporting Level: <input type="checkbox"/> 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: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____ |

|                                                               |                                                                     |                                                                                 |                                                                              |                  |                  |
|---------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------|------------------|
| 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:                                               | Shene Miller Aaron Martinez                                         | Due Date:                                                                       |                                                                              |                  |                  |
| SAMPLE RECEIPT                                                |                                                                     | Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                  |                  |
| Temperature (°C):                                             | 34/3.2                                                              | Thermometer ID                                                                  | TMM-007                                                                      |                  |                  |
| Received Intact:                                              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Correction Factor:                                                              | -0.2                                                                         |                  |                  |
| Cooler Custody Seals:                                         | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Total Containers:                                                               |                                                                              |                  |                  |
| Sample Custody Seals:                                         | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                 |                                                                              |                  |                  |
| Sample Identification                                         | Matrix                                                              | Date Sampled                                                                    | Time Sampled                                                                 | Depth            |                  |
| MW-1                                                          | GW                                                                  | 11-24-21                                                                        | 0935                                                                         | 75'              |                  |
| MW-2                                                          | GW                                                                  | 11-24-21                                                                        | 1630                                                                         | 85'              |                  |
| Number of Containers                                          |                                                                     |                                                                                 |                                                                              |                  |                  |
| Dissolved Carbon Dioxide 4500 CO2 c                           |                                                                     |                                                                                 |                                                                              |                  |                  |
| Dissovled 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.           |



890-1638 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 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 |
|                              |                          | 11-24-21 12:24 |                              |                          |           |

## Chain of Custody Record

 eurofins

**Environment Testing  
America**

|                                              |  |  |  |                                        |  |                                                                                                                                                                                                                                                                                        |  |
|----------------------------------------------|--|--|--|----------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Client Information (Sub Contract Lab)</b> |  |  |  | Lab PM: Kramer Jessica                 |  | Carrier Tracking No(s): 890-525, 1                                                                                                                                                                                                                                                     |  |
| Client Contact: Shipping/Receiving           |  |  |  | Phone:                                 |  | State of Origin: New Mexico                                                                                                                                                                                                                                                            |  |
| Company: Eurofins Xenco                      |  |  |  | E-Mail: jessica.kramer@eurofinsnet.com |  | Page: 1 of 1                                                                                                                                                                                                                                                                           |  |
| Address: 14145 Greenbriar Dr                 |  |  |  | City: Stafford                         |  | Job #: 890-1638-1                                                                                                                                                                                                                                                                      |  |
| State, Zip: TX, 77477                        |  |  |  | Phone: 281-240-4200(Tel)               |  | Preservation Codes:                                                                                                                                                                                                                                                                    |  |
| Email:                                       |  |  |  | Project #: 880000023                   |  | A HCL M Hexane<br>B NaOH N None<br>C Zn Acetate O AsNaO2<br>D Nitric Acid P Na2O4S<br>E NaHSO4 Q Na2SO3<br>F MeOH R Na2S2O3<br>G Amchlor S H2SO4<br>H Ascorbic Acid T TSP Dodecahydrate<br>I Ice U Acetone<br>J DI Water V MCAA<br>K EDTA W pH 4-5<br>L EDA Z other (specify)<br>Other |  |
| Due Date Requested: 11/30/2021               |  |  |  | TAT Requested (days):                  |  | Analysis Requested                                                                                                                                                                                                                                                                     |  |
| PO #:                                        |  |  |  | WO #:                                  |  | Total Number of Containers                                                                                                                                                                                                                                                             |  |
| Sample Identification                        |  |  |  | Client ID (Lab ID)                     |  | Special Instructions/Note:                                                                                                                                                                                                                                                             |  |
| MMW-1 (890-1638-1)                           |  |  |  | 11/24/21                               |  | DISSOLVED SULFIDE                                                                                                                                                                                                                                                                      |  |
| MMW-2 (890-1638-2)                           |  |  |  | 11/24/21                               |  | DISSOLVED SULFIDE                                                                                                                                                                                                                                                                      |  |
| Sample Date                                  |  |  |  | Sample Time                            |  | Sample Type (C-comp, G-grab)                                                                                                                                                                                                                                                           |  |
| Matrix (Residue, Specified, Other)           |  |  |  | Preservation Code                      |  | Field Filtered Sample (Yes or No)                                                                                                                                                                                                                                                      |  |
| SM4500 CO2 D (MOD) Carbon Dioxide            |  |  |  | SM4500 H+                              |  | SM4500 S2 F Sulfide, Total                                                                                                                                                                                                                                                             |  |
| 8260C/6030C (MOD) Full List VOCs             |  |  |  | 8016MOD Calc                           |  | 300 ORGFM 28D (MOD) Custom List                                                                                                                                                                                                                                                        |  |
| 300 ORGFM 28D (MOD) Custom List              |  |  |  | 2320B (MOD) Copy Analyses              |  | 300 ORGFM (MOD) Custom List                                                                                                                                                                                                                                                            |  |
| Temp: 0.8 IR ID-HOU-223                      |  |  |  | C/F +0.0                               |  | Corrected Temp: 0.8                                                                                                                                                                                                                                                                    |  |

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.

**Possible Hazard Identification**

Unconfirmed Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2

Empty Kit Relinquished by: *Clarissa* Date: 11-29-21

Relinquished by: *Clarissa* Date/Time: 11:29 AM

Relinquished by: *Clarissa* Date/Time: 11:29 AM

Relinquished by: *Clarissa* Date/Time: 11:29 AM

Custody Seal No. A Yes A No

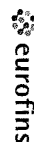
Custody Seals Intact: A Yes A No

Cooler Temperature(s) °C and Other Remarks:

Eurofins Xenco, Carlsbad

1089 N Canal St.  
Carlsbad NM 88220  
Phone: 575-988-3199 Fax 575-988-3199

## Chain of Custody Record



## Environment Testing America

[illegible]

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-1638-1

Login Number: 1638

List Source: Eurofins Xenco, Carlsbad

List Number: 1

Creator: Clifton, Cloe

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-1638-1

Login Number: 1638

List Source: Eurofins Xenco, Stafford

List Number: 3

List Creation: 11/30/21 01:55 PM

Creator: Palmar, Pedro

| 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   |         |





## ANALYTICAL REPORT

November 12, 2021

**Ensolum, LLC**

Sample Delivery Group: L1428915  
Samples Received: 11/09/2021  
Project Number: 0381417001  
Description: Levey Well  
Site: 0381417001  
Report To: Beaux Jennings  
705 W. Wadley Ave, Ste 210  
Midland, TX 79705



Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "M. Beasley".

Mark W. Beasley  
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 L1428915-01                          | 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                           | 17 | <sup>8</sup> Gl  |
| Al: Accreditations & Locations                  | 18 |                  |
| Sc: Sample Chain of Custody                     | 19 | <sup>9</sup> Al  |
|                                                 |    | <sup>10</sup> Sc |

LEVEY WELL L1428915-01 Air

Collected by  
Shane Diller

Collected date/time  
11/05/21 15:52

Received date/time  
11/09/21 09:30

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG1772108 | 80       | 11/10/21 18:59        | 11/10/21 18:59     | MBF     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1772713 | 1000     | 11/11/21 15:26        | 11/11/21 15:26     | MBF     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1773387 | 20000    | 11/12/21 13:47        | 11/12/21 13:47     | 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.



Mark W. Beasley  
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.



Mark W. Beasley  
Project Manager

# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |                | LRC Date: 11/12/2021 16:00                                                                                                                                               |     |    |                 |                 |                  |
|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |                | Laboratory Job Number: L1428915-01                                                                                                                                       |     |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley            |                | Prep Batch Number(s): WG1772108, WG1772713 and WG1773387                                                                                                                 |     |    |                 |                 |                  |
| # <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: 11/12/2021 16:00                                                                             |     |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                | Laboratory Job Number: L1428915-01                                                                     |     |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | Prep Batch Number(s): WG1772108, WG1772713 and WG1773387                                               |     |    |                 |                 |                  |
| # <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: 11/12/2021 16:00                               |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    | Laboratory Job Number: L1428915-01                       |  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    | Prep Batch Number(s): WG1772108, WG1772713 and WG1773387 |  |
| <b>ER #<sup>1</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Description</b> |                                                          |  |
| The Exception Report intentionally left blank, there are no exceptions applied to this SDG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                                                          |  |
| <small>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.<br/>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);<br/>3. NA = Not applicable;<br/>4. NR = Not reviewed;<br/>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</small> |                    |                                                          |  |

Collected date/time: 11/05/21 15:52

L1428915

## 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    | 100          | 238           | ND             | ND              |           | 80       | WG1772108 |
| Allyl chloride                 | 107-05-1   | 76.53    | 16.0         | 50.1          | ND             | ND              |           | 80       | WG1772108 |
| Benzene                        | 71-43-2    | 78.10    | 16.0         | 51.1          | 18.5           | 59.1            |           | 80       | WG1772108 |
| Benzyl Chloride                | 100-44-7   | 127      | 16.0         | 83.1          | ND             | ND              |           | 80       | WG1772108 |
| Bromodichloromethane           | 75-27-4    | 164      | 16.0         | 107           | ND             | ND              |           | 80       | WG1772108 |
| Bromoform                      | 75-25-2    | 253      | 48.0         | 497           | ND             | ND              |           | 80       | WG1772108 |
| Bromomethane                   | 74-83-9    | 94.90    | 16.0         | 62.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 160          | 354           | ND             | ND              |           | 80       | WG1772108 |
| Carbon disulfide               | 75-15-0    | 76.10    | 16.0         | 49.8          | ND             | ND              |           | 80       | WG1772108 |
| Carbon tetrachloride           | 56-23-5    | 154      | 16.0         | 101           | ND             | ND              |           | 80       | WG1772108 |
| Chlorobenzene                  | 108-90-7   | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1772108 |
| Chloroethane                   | 75-00-3    | 64.50    | 16.0         | 42.2          | ND             | ND              |           | 80       | WG1772108 |
| Chloroform                     | 67-66-3    | 119      | 16.0         | 77.9          | ND             | ND              |           | 80       | WG1772108 |
| Chloromethane                  | 74-87-3    | 50.50    | 16.0         | 33.0          | ND             | ND              |           | 80       | WG1772108 |
| 2-Chlorotoluene                | 95-49-8    | 126      | 16.0         | 82.5          | ND             | ND              |           | 80       | WG1772108 |
| Cyclohexane                    | 110-82-7   | 84.20    | 200          | 689           | 12300          | 42400           |           | 1000     | WG1772713 |
| Dibromochloromethane           | 124-48-1   | 208      | 16.0         | 136           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 16.0         | 123           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 16.0         | 64.8          | ND             | ND              |           | 80       | WG1772108 |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 16.0         | 64.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1772108 |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1772108 |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1772108 |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1772108 |
| Ethanol                        | 64-17-5    | 46.10    | 100          | 189           | 2360           | 4450            |           | 80       | WG1772108 |
| Ethylbenzene                   | 100-41-4   | 106      | 16.0         | 69.4          | 295            | 1280            |           | 80       | WG1772108 |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 16.0         | 78.5          | 242            | 1190            |           | 80       | WG1772108 |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 16.0         | 89.9          | ND             | ND              |           | 80       | WG1772108 |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 16.0         | 79.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 16.0         | 123           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 16.0         | 112           | ND             | ND              |           | 80       | WG1772108 |
| Heptane                        | 142-82-5   | 100      | 200          | 818           | 12900          | 52800           |           | 1000     | WG1772713 |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 50.4         | 538           | ND             | ND              |           | 80       | WG1772108 |
| n-Hexane                       | 110-54-3   | 86.20    | 630          | 2220          | 88000          | 310000          |           | 1000     | WG1772713 |
| Isopropylbenzene               | 98-82-8    | 120.20   | 16.0         | 78.7          | 268            | 1320            |           | 80       | WG1772108 |
| Methylene Chloride             | 75-09-2    | 84.90    | 16.0         | 55.6          | 18.1           | 62.9            |           | 80       | WG1772108 |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 100          | 409           | ND             | ND              |           | 80       | WG1772108 |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 100          | 295           | ND             | ND              |           | 80       | WG1772108 |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 100          | 409           | ND             | ND              |           | 80       | WG1772108 |
| Methyl methacrylate            | 80-62-6    | 100.12   | 16.0         | 65.5          | ND             | ND              |           | 80       | WG1772108 |
| MTBE                           | 1634-04-4  | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1772108 |
| Naphthalene                    | 91-20-3    | 128      | 50.4         | 264           | ND             | ND              |           | 80       | WG1772108 |
| 2-Propanol                     | 67-63-0    | 60.10    | 25000        | 61500         | 469000         | 1150000         |           | 20000    | WG1773387 |
| Propene                        | 115-07-1   | 42.10    | 100          | 172           | ND             | ND              |           | 80       | WG1772108 |
| Styrene                        | 100-42-5   | 104      | 16.0         | 68.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 16.0         | 110           | ND             | ND              |           | 80       | WG1772108 |
| Tetrachloroethylene            | 127-18-4   | 166      | 16.0         | 109           | ND             | ND              |           | 80       | WG1772108 |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 16.0         | 47.2          | ND             | ND              |           | 80       | WG1772108 |
| Toluene                        | 108-88-3   | 92.10    | 40.0         | 151           | 314            | 1180            |           | 80       | WG1772108 |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 50.4         | 373           | ND             | ND              |           | 80       | WG1772108 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 11/05/21 15:52

L1428915

## 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      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Trichloroethylene          | 79-01-6   | 131      | 16.0         | 85.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 16.0         | 78.5          | 603            | 2960            |           | 80       | <a href="#">WG1772108</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 16.0         | 78.5          | 254            | 1250            |           | 80       | <a href="#">WG1772108</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 16.0         | 74.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 16.0         | 40.9          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 16.0         | 70.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 16.0         | 56.3          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 32.0         | 139           | 1260           | 5460            |           | 80       | <a href="#">WG1772108</a> |
| o-Xylene                   | 95-47-6   | 106      | 16.0         | 69.4          | 338            | 1470            |           | 80       | <a href="#">WG1772108</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 16000        | 66100         | 347000         | 1430000         |           | 80       | <a href="#">WG1772108</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 98.8           |                 |           |          | <a href="#">WG1772108</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 98.1           |                 |           |          | <a href="#">WG1772713</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 100            |                 |           |          | <a href="#">WG1773387</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) R3727913-3 11/10/21 11:46

| 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          |
| 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          |
| 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          |
| Hexachloro-1,3-butadiene       | U                 |              | 0.105          | 0.630          |
| Isopropylbenzene               | U                 |              | 0.0777         | 0.200          |
| Methylene Chloride             | U                 |              | 0.0979         | 0.200          |
| Methyl Butyl Ketone            | U                 |              | 0.133          | 1.25           |
| 2-Butanone (MEK)               | U                 |              | 0.0814         | 1.25           |

<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

L1428915-01

Method Blank (MB)

(MB) R3727913-3 11/10/21 11:46

| Analyte                     | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|-----------------------------|-------------------|--------------|----------------|----------------|
| 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          |
| 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          |
| Ethanol                     | 0.278             | U            | 0.265          | 1.25           |
| TPH (GC/MS) Low Fraction    | 56.8              | U            | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene  | 93.7              |              |                | 60.0-140       |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R3727913-1 11/10/21 10:44 • (LCSD) R3727913-2 11/10/21 11:16

| 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>% |
|-------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethanol                       | 3.75                 | 3.62               | 3.59                | 96.5          | 95.7           | 55.0-148         |               |                | 0.832    | 25              |
| Propene                       | 3.75                 | 3.44               | 3.42                | 91.7          | 91.2           | 64.0-144         |               |                | 0.583    | 25              |
| Dichlorodifluoromethane       | 3.75                 | 3.57               | 3.65                | 95.2          | 97.3           | 64.0-139         |               |                | 2.22     | 25              |
| 1,2-Dichlorotetrafluoroethane | 3.75                 | 3.58               | 3.63                | 95.5          | 96.8           | 70.0-130         |               |                | 1.39     | 25              |
| Chloromethane                 | 3.75                 | 3.46               | 3.57                | 92.3          | 95.2           | 70.0-130         |               |                | 3.13     | 25              |
| Vinyl chloride                | 3.75                 | 3.54               | 3.53                | 94.4          | 94.1           | 70.0-130         |               |                | 0.283    | 25              |
| 1,3-Butadiene                 | 3.75                 | 2.89               | 3.63                | 77.1          | 96.8           | 70.0-130         |               |                | 22.7     | 25              |
| Bromomethane                  | 3.75                 | 3.60               | 3.62                | 96.0          | 96.5           | 70.0-130         |               |                | 0.554    | 25              |

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

(LCS) R3727913-1 11/10/21 10:44 • (LCSD) R3727913-2 11/10/21 11:16

| 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>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Chloroethane                   | 3.75                 | 3.28               | 3.37                | 87.5          | 89.9           | 70.0-130         |               |                | 2.71     | 25              |
| Trichlorofluoromethane         | 3.75                 | 3.58               | 3.59                | 95.5          | 95.7           | 70.0-130         |               |                | 0.279    | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 3.90               | 3.94                | 104           | 105            | 70.0-130         |               |                | 1.02     | 25              |
| 1,1-Dichloroethene             | 3.75                 | 3.76               | 3.76                | 100           | 100            | 70.0-130         |               |                | 0.000    | 25              |
| 1,1-Dichloroethane             | 3.75                 | 3.63               | 3.67                | 96.8          | 97.9           | 70.0-130         |               |                | 1.10     | 25              |
| Acetone                        | 3.75                 | 3.40               | 3.44                | 90.7          | 91.7           | 70.0-130         |               |                | 1.17     | 25              |
| Carbon disulfide               | 3.75                 | 3.83               | 3.85                | 102           | 103            | 70.0-130         |               |                | 0.521    | 25              |
| Methylene Chloride             | 3.75                 | 3.75               | 3.70                | 100           | 98.7           | 70.0-130         |               |                | 1.34     | 25              |
| MTBE                           | 3.75                 | 3.64               | 3.66                | 97.1          | 97.6           | 70.0-130         |               |                | 0.548    | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 3.78               | 3.84                | 101           | 102            | 70.0-130         |               |                | 1.57     | 25              |
| Vinyl acetate                  | 3.75                 | 3.55               | 3.51                | 94.7          | 93.6           | 70.0-130         |               |                | 1.13     | 25              |
| Methyl Ethyl Ketone            | 3.75                 | 3.73               | 3.75                | 99.5          | 100            | 70.0-130         |               |                | 0.535    | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 3.71               | 3.67                | 98.9          | 97.9           | 70.0-130         |               |                | 1.08     | 25              |
| Chloroform                     | 3.75                 | 3.75               | 3.73                | 100           | 99.5           | 70.0-130         |               |                | 0.535    | 25              |
| 1,1,1-Trichloroethane          | 3.75                 | 3.91               | 3.89                | 104           | 104            | 70.0-130         |               |                | 0.513    | 25              |
| Carbon tetrachloride           | 3.75                 | 4.00               | 4.02                | 107           | 107            | 70.0-130         |               |                | 0.499    | 25              |
| Benzene                        | 3.75                 | 4.05               | 4.02                | 108           | 107            | 70.0-130         |               |                | 0.743    | 25              |
| 1,2-Dichloroethane             | 3.75                 | 3.86               | 3.89                | 103           | 104            | 70.0-130         |               |                | 0.774    | 25              |
| Trichloroethylene              | 3.75                 | 4.09               | 4.10                | 109           | 109            | 70.0-130         |               |                | 0.244    | 25              |
| 1,2-Dichloropropane            | 3.75                 | 3.96               | 3.94                | 106           | 105            | 70.0-130         |               |                | 0.506    | 25              |
| 1,4-Dioxane                    | 3.75                 | 3.99               | 4.01                | 106           | 107            | 70.0-140         |               |                | 0.500    | 25              |
| Bromodichloromethane           | 3.75                 | 4.07               | 4.08                | 109           | 109            | 70.0-130         |               |                | 0.245    | 25              |
| cis-1,3-Dichloropropene        | 3.75                 | 4.04               | 4.08                | 108           | 109            | 70.0-130         |               |                | 0.985    | 25              |
| 4-Methyl-2-pentanone (MIBK)    | 3.75                 | 3.73               | 3.77                | 99.5          | 101            | 70.0-139         |               |                | 1.07     | 25              |
| Toluene                        | 3.75                 | 4.09               | 4.07                | 109           | 109            | 70.0-130         |               |                | 0.490    | 25              |
| trans-1,3-Dichloropropene      | 3.75                 | 4.06               | 4.16                | 108           | 111            | 70.0-130         |               |                | 2.43     | 25              |
| 1,1,2-Trichloroethane          | 3.75                 | 4.22               | 4.17                | 113           | 111            | 70.0-130         |               |                | 1.19     | 25              |
| Tetrachloroethylene            | 3.75                 | 4.35               | 4.32                | 116           | 115            | 70.0-130         |               |                | 0.692    | 25              |
| Methyl Butyl Ketone            | 3.75                 | 3.79               | 3.87                | 101           | 103            | 70.0-149         |               |                | 2.09     | 25              |
| Dibromochloromethane           | 3.75                 | 4.35               | 4.40                | 116           | 117            | 70.0-130         |               |                | 1.14     | 25              |
| 1,2-Dibromoethane              | 3.75                 | 4.24               | 4.26                | 113           | 114            | 70.0-130         |               |                | 0.471    | 25              |
| Chlorobenzene                  | 3.75                 | 4.25               | 4.28                | 113           | 114            | 70.0-130         |               |                | 0.703    | 25              |
| Ethylbenzene                   | 3.75                 | 4.12               | 4.12                | 110           | 110            | 70.0-130         |               |                | 0.000    | 25              |
| m&p-Xylene                     | 7.50                 | 8.22               | 8.19                | 110           | 109            | 70.0-130         |               |                | 0.366    | 25              |
| o-Xylene                       | 3.75                 | 4.09               | 4.07                | 109           | 109            | 70.0-130         |               |                | 0.490    | 25              |
| Styrene                        | 3.75                 | 4.36               | 4.34                | 116           | 116            | 70.0-130         |               |                | 0.460    | 25              |
| Bromoform                      | 3.75                 | 4.61               | 4.54                | 123           | 121            | 70.0-130         |               |                | 1.53     | 25              |
| 1,1,2,2-Tetrachloroethane      | 3.75                 | 4.13               | 4.07                | 110           | 109            | 70.0-130         |               |                | 1.46     | 25              |
| 4-Ethyltoluene                 | 3.75                 | 4.27               | 4.22                | 114           | 113            | 70.0-130         |               |                | 1.18     | 25              |
| 1,3,5-Trimethylbenzene         | 3.75                 | 4.16               | 4.20                | 111           | 112            | 70.0-130         |               |                | 0.957    | 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

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

(LCS) R3727913-1 11/10/21 10:44 • (LCSD) R3727913-2 11/10/21 11:16

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2,4-Trimethylbenzene     | 3.75                 | 4.16               | 4.04                | 111           | 108            | 70.0-130         |               |                | 2.93     | 25              |
| 1,3-Dichlorobenzene        | 3.75                 | 4.63               | 4.63                | 123           | 123            | 70.0-130         |               |                | 0.000    | 25              |
| 1,4-Dichlorobenzene        | 3.75                 | 4.78               | 4.73                | 127           | 126            | 70.0-130         |               |                | 1.05     | 25              |
| Benzyl Chloride            | 3.75                 | 4.58               | 4.52                | 122           | 121            | 70.0-152         |               |                | 1.32     | 25              |
| 1,2-Dichlorobenzene        | 3.75                 | 4.52               | 4.48                | 121           | 119            | 70.0-130         |               |                | 0.889    | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 4.45               | 4.43                | 119           | 118            | 70.0-160         |               |                | 0.450    | 25              |
| Hexachloro-1,3-butadiene   | 3.75                 | 4.15               | 4.09                | 111           | 109            | 70.0-151         |               |                | 1.46     | 25              |
| Naphthalene                | 3.75                 | 4.35               | 4.29                | 116           | 114            | 70.0-159         |               |                | 1.39     | 25              |
| TPH (GC/MS) Low Fraction   | 203                  | 248                | 246                 | 122           | 121            | 70.0-130         |               |                | 0.810    | 25              |
| Allyl Chloride             | 3.75                 | 3.68               | 3.62                | 98.1          | 96.5           | 70.0-130         |               |                | 1.64     | 25              |
| 2-Chlorotoluene            | 3.75                 | 4.19               | 4.13                | 112           | 110            | 70.0-130         |               |                | 1.44     | 25              |
| Methyl Methacrylate        | 3.75                 | 3.87               | 3.83                | 103           | 102            | 70.0-130         |               |                | 1.04     | 25              |
| Tetrahydrofuran            | 3.75                 | 3.55               | 3.53                | 94.7          | 94.1           | 70.0-137         |               |                | 0.565    | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 3.63               | 3.66                | 96.8          | 97.6           | 70.0-130         |               |                | 0.823    | 25              |
| Vinyl Bromide              | 3.75                 | 3.63               | 3.67                | 96.8          | 97.9           | 70.0-130         |               |                | 1.10     | 25              |
| Isopropylbenzene           | 3.75                 | 4.20               | 4.15                | 112           | 111            | 70.0-130         |               |                | 1.20     | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 98.8          | 96.9           | 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

Method Blank (MB)

(MB) R3728328-3 11/11/21 10:07

| 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    |
| (S) 1,4-Bromofluorobenzene | 98.2      |              |        | 60.0-140 |

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

(LCS) R3728328-1 11/11/21 08:40 • (LCSD) R3728328-2 11/11/21 09:24

| 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         | 3.26       | 3.32        | 86.9     | 88.5      | 70.0-130    |               |                | 1.82 | 25         |
| Heptane                    | 3.75         | 2.96       | 3.00        | 78.9     | 80.0      | 70.0-130    |               |                | 1.34 | 25         |
| n-Hexane                   | 3.75         | 3.09       | 3.20        | 82.4     | 85.3      | 70.0-130    |               |                | 3.50 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 99.4     | 99.8      | 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

L1428915-01

Method Blank (MB)

(MB) R3728842-3 11/12/21 10:12

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | ppbv      |              | ppbv   | ppbv     |
| 2-Propanol                 | U         |              | 0.264  | 1.25     |
| (S) 1,4-Bromofluorobenzene | 98.9      |              |        | 60.0-140 |

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

(LCS) R3728842-1 11/12/21 08:46 • (LCSD) R3728842-2 11/12/21 09:30

| Analyte                    | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
|                            | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %     | %          |
| 2-Propanol                 | 3.75         | 3.46       | 3.43        | 92.3     | 91.5      | 70.0-139    |               |                | 0.871 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 99.4     | 99.0      | 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

## 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>705 W. Wadley Ave, Ste 210<br>Midland, TX 79705                        |  | <b>Billing Information:</b><br><b>Accounts Payable</b><br>2351 W Northwest Hwy. Ste.<br>1203<br>Dallas, TX 75220<br>Email To: bjennings@ensolum.com                                                                                                                                                            |  | <b>Free Chk</b>                                                                                                                       |  |
| <b>Report to:</b><br><b>Beaux Jennings</b>                                                                                   |  | <b>City/State</b><br>Hobbs NM                                                                                                                                                                                                                                                                                  |  | <b>Please Circle:</b><br>PT MT CF ET                                                                                                  |  |
| <b>Project Description:</b><br>Levey Well                                                                                    |  | <b>Client Project #</b><br>03B1417001                                                                                                                                                                                                                                                                          |  | <b>Lab Project #</b><br>ENSOLUMMTX-SUMMA                                                                                              |  |
| <b>Phone:</b> 210-219-8858                                                                                                   |  | <b>Site/Facility ID #</b><br>03B1417001                                                                                                                                                                                                                                                                        |  | <b>P.O. #</b><br>03B1417001                                                                                                           |  |
| <b>Collected by (print):</b><br>Shane Diller                                                                                 |  | <b>Rush? (Lab MUST Be Notified)</b><br>Same Day <input type="checkbox"/> Five Day <input type="checkbox"/><br>Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/><br>Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/><br>Three Day <input type="checkbox"/> |  | <b>Quote #</b>                                                                                                                        |  |
| <b>Collected by (signature):</b>                                                                                             |  | <b>Date Results Needed</b>                                                                                                                                                                                                                                                                                     |  | <b>No. of Cntrs</b>                                                                                                                   |  |
| <b>Immediately Packed on Ice</b> N <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/>            |  | <b>Sample ID</b>                                                                                                                                                                                                                                                                                               |  | <b>Comp/Grab</b>                                                                                                                      |  |
| <b>Matrix *</b>                                                                                                              |  | <b>Depth</b>                                                                                                                                                                                                                                                                                                   |  | <b>Date</b>                                                                                                                           |  |
| SS - Soil AIR - Air F - Filter<br>GW - Groundwater B - Bioassay<br>WW - Waste Water<br>DW - Drinking Water<br>OT - Other     |  | <b>Remarks:</b>                                                                                                                                                                                                                                                                                                |  | <b>pH</b> <input type="text"/> <b>Temp</b> <input type="text"/><br><b>Flow</b> <input type="text"/> <b>Other</b> <input type="text"/> |  |
| <b>Samples returned via:</b><br>UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> |  | <b>Tracking #</b>                                                                                                                                                                                                                                                                                              |  | <b>Trip Blank Received:</b> Yes / No<br>HCL / MeOH<br>TBR                                                                             |  |
| <b>Relinquished by: (Signature)</b>                                                                                          |  | <b>Date:</b>                                                                                                                                                                                                                                                                                                   |  | <b>Received by: (Signature)</b>                                                                                                       |  |
| <b>Relinquished by: (Signature)</b>                                                                                          |  | <b>Date:</b>                                                                                                                                                                                                                                                                                                   |  | <b>Received by: (Signature)</b>                                                                                                       |  |
| <b>Relinquished by: (Signature)</b>                                                                                          |  | <b>Date:</b>                                                                                                                                                                                                                                                                                                   |  | <b>Received by: (Signature)</b>                                                                                                       |  |
| <b>Temp:</b> °C                                                                                                              |  | <b>Bottles Received:</b>                                                                                                                                                                                                                                                                                       |  | <b>If preservation required by Login: Date/Time</b>                                                                                   |  |
| <b>Date:</b>                                                                                                                 |  | <b>Time:</b>                                                                                                                                                                                                                                                                                                   |  | <b>Hold:</b>                                                                                                                          |  |
| <b>Condition:</b>                                                                                                            |  | <b>NCF</b>                                                                                                                                                                                                                                                                                                     |  | <b>OK</b>                                                                                                                             |  |

12043 Leblond Road Mt Juliet, TN 37122  
 Phone: 615-758-5418 Alt: 800-757-5439  
 Submitting a sample via this form of custody  
 constitutes acknowledgment and acceptance of the  
 Policy Terms and Conditions found at:  
 https://www.pacstate.com/policy/standard-  
 policy.pdf

SDG #

Table #

Acctnum: ENSOLUMMTX

Template: T180734

Prelogin: PB27709

PM: 134 - Mark W. Beasley

PB:

Shipped Via:

Remarks Sample # (lab only)



11/9-NCF-ENSOLUMMTX-11428914/11428915

R5

Time estimate: 0h Time spent: 0h

Members

HM Hailey Melson (responsible) MB Mark Beasley

Due on 12 November 2021 8:00 AM for target Done

- ☒ Login Clarification needed
- ☐ Chain of custody is incomplete
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☐ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☒ Client did not "X" analysis
- ☐ Chain of Custody is missing
- ☐ If no COC: Received by: \_\_\_\_\_
- ☐ If no COC: Date/Time: \_\_\_\_\_
- ☐ If no COC: Temp./Cont.Rec./pH: \_\_\_\_\_
- ☐ If no COC: Carrier: \_\_\_\_\_
- ☐ If no COC: Tracking #: \_\_\_\_\_
- ☐ Client informed by call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: 11/10/21 \_\_\_\_\_
- ☐ PM initials: MB \_\_\_\_\_
- ☐ Client Contact: Kathleen Steward \_\_\_\_\_

Comments

|                                                                                 |                          |
|---------------------------------------------------------------------------------|--------------------------|
| Hailey Melson                                                                   | 9 November 2021 5:56 PM  |
| COC not filled out. Received 5 canisters numbered, 0936, 1013, 1030, 1151, 1552 |                          |
| Project: Ensolum Levey Well.                                                    |                          |
| Mark Beasley                                                                    | 10 November 2021 8:55 AM |
| See attached COCs                                                               |                          |



## ANALYTICAL REPORT

November 15, 2021

**Ensolum, LLC**

Sample Delivery Group: L1428914  
Samples Received: 11/09/2021  
Project Number: 0381417001  
Description: Levey Well  
Site: 03B1417001  
Report To: Beaux Jennings  
705 W. Wadley Ave, Ste 210  
Midland, TX 79705

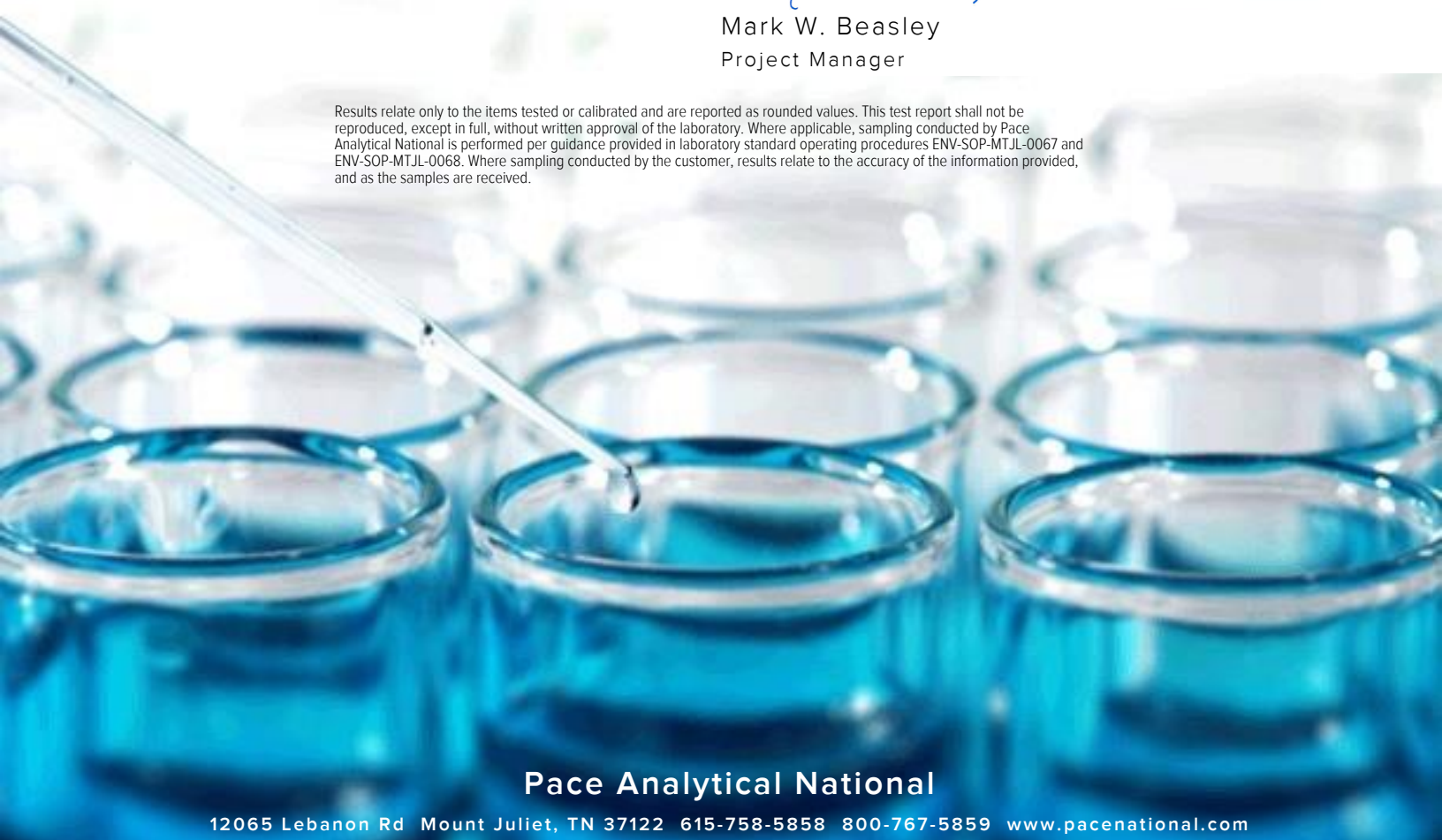


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "M. Beasley".

Mark W. Beasley  
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 L1428914-01                          | 9  | <sup>6</sup> Sr  |
| LEVEY WELL L1428914-02                          | 11 |                  |
| LEVEY WELL L1428914-03                          | 13 | <sup>7</sup> Qc  |
| LEVEY WELL L1428914-04                          | 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                           | 24 |                  |
| Al: Accreditations & Locations                  | 25 | <sup>10</sup> Sc |
| Sc: Sample Chain of Custody                     | 26 |                  |

LEVEY WELL L1428914-01 Air

|                                                 |           |          |                       | Collected by<br>Shane Diller | Collected date/time<br>11/08/21 09:36 | Received date/time<br>11/09/21 09:30 |
|-------------------------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1772108 | 80       | 11/10/21 17:08        | 11/10/21 17:08               | MBF                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1773387 | 2000     | 11/12/21 13:06        | 11/12/21 13:06               | MBF                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1773516 | 8000     | 11/12/21 14:28        | 11/12/21 14:28               | CMJ                                   | Mt. Juliet, TN                       |

1Cp

2Tc

3Ss

4Cn

LEVEY WELL L1428914-02 Air

|                                                 |           |          |                       | Collected by<br>Shane Diller | Collected date/time<br>11/08/21 10:13 | Received date/time<br>11/09/21 09:30 |
|-------------------------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1772108 | 80       | 11/10/21 17:36        | 11/10/21 17:36               | CAW                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1772713 | 1000     | 11/11/21 14:05        | 11/11/21 14:05               | FKG                                   | Mt. Juliet, TN                       |

5Tr

6Sr

7Qc

8Gl

LEVEY WELL L1428914-03 Air

|                                                 |           |          |                       | Collected by<br>Shane Diller | Collected date/time<br>11/08/21 10:30 | Received date/time<br>11/09/21 09:30 |
|-------------------------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1772108 | 80       | 11/10/21 18:04        | 11/10/21 18:04               | CAW                                   | Mt. Juliet, TN                       |

9Al

10Sc

LEVEY WELL L1428914-04 Air

|                                                 |           |          |                       | Collected by<br>Shane Diller | Collected date/time<br>11/08/21 11:51 | Received date/time<br>11/09/21 09:30 |
|-------------------------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1772108 | 80       | 11/10/21 18:32        | 11/10/21 18:32               | MBF                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1772713 | 1000     | 11/11/21 14:45        | 11/11/21 14:45               | MBF                                   | 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.



Mark W. Beasley  
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

## Laboratory Data Package Cover Page

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.



Mark W. Beasley  
Project Manager



# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |                | LRC Date: 11/15/2021 10:40                                                                                                                                               |     |    |                 |                 |                  |
|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |                | Laboratory Job Number: L1428914-01, 02, 03 and 04                                                                                                                        |     |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley            |                | Prep Batch Number(s): WG1772108, WG1772713, WG1773387 and WG1773516                                                                                                      |     |    |                 |                 |                  |
| # <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: 11/15/2021 10:40                                          |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                        | Laboratory Job Number: L1428914-01, 02, 03 and 04                   |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                                                                                                        | Prep Batch Number(s): WG1772108, WG1772713, WG1773387 and WG1773516 |    |                 |                 |                  |
| # <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: 11/15/2021 10:40                                          |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Laboratory Job Number: L1428914-01, 02, 03 and 04                   |  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Prep Batch Number(s): WG1772108, WG1772713, WG1773387 and WG1773516 |  |
| <b>ER #<sup>1</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                     |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>TO-15 WG1772108 L1428914-03: The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).</p> <p>TO-15 WG1772713 L1428914-02 and 04: The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).</p> <p>TO-15 WG1773516 L1428914-01: The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).</p> |                                                                     |  |
| <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: 11/08/21 09:36

L1428914

## 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    | 100          | 238           | ND             | ND              |           | 80       | WG1772108 |
| Allyl chloride                 | 107-05-1   | 76.53    | 16.0         | 50.1          | ND             | ND              |           | 80       | WG1772108 |
| Benzene                        | 71-43-2    | 78.10    | 16.0         | 51.1          | 30.8           | 98.4            |           | 80       | WG1772108 |
| Benzyl Chloride                | 100-44-7   | 127      | 16.0         | 83.1          | ND             | ND              |           | 80       | WG1772108 |
| Bromodichloromethane           | 75-27-4    | 164      | 16.0         | 107           | ND             | ND              |           | 80       | WG1772108 |
| Bromoform                      | 75-25-2    | 253      | 48.0         | 497           | ND             | ND              |           | 80       | WG1772108 |
| Bromomethane                   | 74-83-9    | 94.90    | 16.0         | 62.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 160          | 354           | ND             | ND              |           | 80       | WG1772108 |
| Carbon disulfide               | 75-15-0    | 76.10    | 16.0         | 49.8          | ND             | ND              |           | 80       | WG1772108 |
| Carbon tetrachloride           | 56-23-5    | 154      | 16.0         | 101           | ND             | ND              |           | 80       | WG1772108 |
| Chlorobenzene                  | 108-90-7   | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1772108 |
| Chloroethane                   | 75-00-3    | 64.50    | 16.0         | 42.2          | ND             | ND              |           | 80       | WG1772108 |
| Chloroform                     | 67-66-3    | 119      | 16.0         | 77.9          | ND             | ND              |           | 80       | WG1772108 |
| Chloromethane                  | 74-87-3    | 50.50    | 16.0         | 33.0          | ND             | ND              |           | 80       | WG1772108 |
| 2-Chlorotoluene                | 95-49-8    | 126      | 16.0         | 82.5          | ND             | ND              |           | 80       | WG1772108 |
| Cyclohexane                    | 110-82-7   | 84.20    | 400          | 1380          | 39900          | 137000          |           | 2000     | WG1773387 |
| Dibromochloromethane           | 124-48-1   | 208      | 16.0         | 136           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 16.0         | 123           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 16.0         | 64.8          | ND             | ND              |           | 80       | WG1772108 |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 16.0         | 64.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1772108 |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1772108 |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1772108 |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1772108 |
| Ethanol                        | 64-17-5    | 46.10    | 100          | 189           | 2470           | 4660            |           | 80       | WG1772108 |
| Ethylbenzene                   | 100-41-4   | 106      | 16.0         | 69.4          | 155            | 672             |           | 80       | WG1772108 |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 16.0         | 78.5          | 67.7           | 332             |           | 80       | WG1772108 |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 16.0         | 89.9          | ND             | ND              |           | 80       | WG1772108 |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 16.0         | 79.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 16.0         | 123           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 16.0         | 112           | ND             | ND              |           | 80       | WG1772108 |
| Heptane                        | 142-82-5   | 100      | 400          | 1640          | 34800          | 142000          |           | 2000     | WG1773387 |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 50.4         | 538           | ND             | ND              |           | 80       | WG1772108 |
| n-Hexane                       | 110-54-3   | 86.20    | 5040         | 17800         | 287000         | 1010000         |           | 8000     | WG1773516 |
| Isopropylbenzene               | 98-82-8    | 120.20   | 16.0         | 78.7          | 92.4           | 454             |           | 80       | WG1772108 |
| Methylene Chloride             | 75-09-2    | 84.90    | 16.0         | 55.6          | ND             | ND              |           | 80       | WG1772108 |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 100          | 409           | ND             | ND              |           | 80       | WG1772108 |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 100          | 295           | ND             | ND              |           | 80       | WG1772108 |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 100          | 409           | ND             | ND              |           | 80       | WG1772108 |
| Methyl methacrylate            | 80-62-6    | 100.12   | 16.0         | 65.5          | ND             | ND              |           | 80       | WG1772108 |
| MTBE                           | 1634-04-4  | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1772108 |
| Naphthalene                    | 91-20-3    | 128      | 50.4         | 264           | ND             | ND              |           | 80       | WG1772108 |
| 2-Propanol                     | 67-63-0    | 60.10    | 10000        | 24600         | 2550000        | 6270000         | E         | 8000     | WG1773516 |
| Propene                        | 115-07-1   | 42.10    | 100          | 172           | ND             | ND              |           | 80       | WG1772108 |
| Styrene                        | 100-42-5   | 104      | 16.0         | 68.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 16.0         | 110           | ND             | ND              |           | 80       | WG1772108 |
| Tetrachloroethylene            | 127-18-4   | 166      | 16.0         | 109           | 53.0           | 360             |           | 80       | WG1772108 |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 16.0         | 47.2          | ND             | ND              |           | 80       | WG1772108 |
| Toluene                        | 108-88-3   | 92.10    | 40.0         | 151           | 272            | 1020            |           | 80       | WG1772108 |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 50.4         | 373           | ND             | ND              |           | 80       | WG1772108 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 11/08/21 09:36

L1428914

## 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      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Trichloroethylene          | 79-01-6   | 131      | 16.0         | 85.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 16.0         | 78.5          | 154            | 756             |           | 80       | <a href="#">WG1772108</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 16.0         | 78.5          | 69.6           | 342             |           | 80       | <a href="#">WG1772108</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 16.0         | 74.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 16.0         | 40.9          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 16.0         | 70.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 16.0         | 56.3          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 32.0         | 139           | 582            | 2520            |           | 80       | <a href="#">WG1772108</a> |
| o-Xylene                   | 95-47-6   | 106      | 16.0         | 69.4          | 140            | 607             |           | 80       | <a href="#">WG1772108</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 400000       | 1650000       | 1150000        | 4750000         |           | 2000     | <a href="#">WG1773387</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 96.8           |                 |           |          | <a href="#">WG1772108</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 96.7           |                 |           |          | <a href="#">WG1773387</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 100            |                 |           |          | <a href="#">WG1773516</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: 11/08/21 10:13

L1428914

## 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    | 100          | 238           | ND             | ND              |           | 80       | WG1772108 |
| Allyl chloride                 | 107-05-1   | 76.53    | 16.0         | 50.1          | ND             | ND              |           | 80       | WG1772108 |
| Benzene                        | 71-43-2    | 78.10    | 16.0         | 51.1          | ND             | ND              |           | 80       | WG1772108 |
| Benzyl Chloride                | 100-44-7   | 127      | 16.0         | 83.1          | ND             | ND              |           | 80       | WG1772108 |
| Bromodichloromethane           | 75-27-4    | 164      | 16.0         | 107           | ND             | ND              |           | 80       | WG1772108 |
| Bromoform                      | 75-25-2    | 253      | 48.0         | 497           | ND             | ND              |           | 80       | WG1772108 |
| Bromomethane                   | 74-83-9    | 94.90    | 16.0         | 62.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 160          | 354           | ND             | ND              |           | 80       | WG1772108 |
| Carbon disulfide               | 75-15-0    | 76.10    | 16.0         | 49.8          | ND             | ND              |           | 80       | WG1772108 |
| Carbon tetrachloride           | 56-23-5    | 154      | 16.0         | 101           | ND             | ND              |           | 80       | WG1772108 |
| Chlorobenzene                  | 108-90-7   | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1772108 |
| Chloroethane                   | 75-00-3    | 64.50    | 16.0         | 42.2          | ND             | ND              |           | 80       | WG1772108 |
| Chloroform                     | 67-66-3    | 119      | 16.0         | 77.9          | ND             | ND              |           | 80       | WG1772108 |
| Chloromethane                  | 74-87-3    | 50.50    | 16.0         | 33.0          | ND             | ND              |           | 80       | WG1772108 |
| 2-Chlorotoluene                | 95-49-8    | 126      | 16.0         | 82.5          | ND             | ND              |           | 80       | WG1772108 |
| Cyclohexane                    | 110-82-7   | 84.20    | 200          | 689           | 9800           | 33700           |           | 1000     | WG1772713 |
| Dibromochloromethane           | 124-48-1   | 208      | 16.0         | 136           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 16.0         | 123           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 16.0         | 64.8          | ND             | ND              |           | 80       | WG1772108 |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 16.0         | 64.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1772108 |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1772108 |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1772108 |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1772108 |
| Ethanol                        | 64-17-5    | 46.10    | 100          | 189           | 966            | 1820            |           | 80       | WG1772108 |
| Ethylbenzene                   | 100-41-4   | 106      | 16.0         | 69.4          | 390            | 1690            |           | 80       | WG1772108 |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 16.0         | 78.5          | 214            | 1050            |           | 80       | WG1772108 |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 16.0         | 89.9          | ND             | ND              |           | 80       | WG1772108 |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 16.0         | 79.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 16.0         | 123           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 16.0         | 112           | ND             | ND              |           | 80       | WG1772108 |
| Heptane                        | 142-82-5   | 100      | 200          | 818           | 14100          | 57700           |           | 1000     | WG1772713 |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 50.4         | 538           | ND             | ND              |           | 80       | WG1772108 |
| n-Hexane                       | 110-54-3   | 86.20    | 630          | 2220          | 45500          | 160000          |           | 1000     | WG1772713 |
| Isopropylbenzene               | 98-82-8    | 120.20   | 16.0         | 78.7          | 294            | 1450            |           | 80       | WG1772108 |
| Methylene Chloride             | 75-09-2    | 84.90    | 16.0         | 55.6          | ND             | ND              |           | 80       | WG1772108 |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 100          | 409           | ND             | ND              |           | 80       | WG1772108 |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 100          | 295           | ND             | ND              |           | 80       | WG1772108 |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 100          | 409           | ND             | ND              |           | 80       | WG1772108 |
| Methyl methacrylate            | 80-62-6    | 100.12   | 16.0         | 65.5          | ND             | ND              |           | 80       | WG1772108 |
| MTBE                           | 1634-04-4  | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1772108 |
| Naphthalene                    | 91-20-3    | 128      | 50.4         | 264           | ND             | ND              |           | 80       | WG1772108 |
| 2-Propanol                     | 67-63-0    | 60.10    | 1250         | 3070          | 560000         | 1380000         | E         | 1000     | WG1772713 |
| Propene                        | 115-07-1   | 42.10    | 100          | 172           | ND             | ND              |           | 80       | WG1772108 |
| Styrene                        | 100-42-5   | 104      | 16.0         | 68.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 16.0         | 110           | ND             | ND              |           | 80       | WG1772108 |
| Tetrachloroethylene            | 127-18-4   | 166      | 16.0         | 109           | 16.5           | 112             |           | 80       | WG1772108 |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 16.0         | 47.2          | ND             | ND              |           | 80       | WG1772108 |
| Toluene                        | 108-88-3   | 92.10    | 40.0         | 151           | 351            | 1320            |           | 80       | WG1772108 |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 50.4         | 373           | ND             | ND              |           | 80       | WG1772108 |



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## 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      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Trichloroethylene          | 79-01-6   | 131      | 16.0         | 85.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 16.0         | 78.5          | 452            | 2220            |           | 80       | <a href="#">WG1772108</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 16.0         | 78.5          | 224            | 1100            |           | 80       | <a href="#">WG1772108</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 16.0         | 74.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 16.0         | 40.9          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 16.0         | 70.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 16.0         | 56.3          | 6830           | 24100           |           | 80       | <a href="#">WG1772108</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 32.0         | 139           | 1590           | 6890            |           | 80       | <a href="#">WG1772108</a> |
| o-Xylene                   | 95-47-6   | 106      | 16.0         | 69.4          | 408            | 1770            |           | 80       | <a href="#">WG1772108</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 16000        | 66100         | 287000         | 1190000         |           | 80       | <a href="#">WG1772108</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 104            |                 |           |          | <a href="#">WG1772108</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 100            |                 |           |          | <a href="#">WG177213</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

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## 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    | 100          | 238           | 3340           | 7940            |           | 80       | <a href="#">WG1772108</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 16.0         | 50.1          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Benzene                        | 71-43-2    | 78.10    | 16.0         | 51.1          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 16.0         | 83.1          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 16.0         | 107           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Bromoform                      | 75-25-2    | 253      | 48.0         | 497           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 16.0         | 62.1          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 160          | 354           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 16.0         | 49.8          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 16.0         | 101           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 16.0         | 42.2          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Chloroform                     | 67-66-3    | 119      | 16.0         | 77.9          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 16.0         | 33.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 16.0         | 82.5          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 16.0         | 55.1          | 827            | 2850            |           | 80       | <a href="#">WG1772108</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 16.0         | 136           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 16.0         | 123           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 16.0         | 64.8          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 16.0         | 64.1          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Ethanol                        | 64-17-5    | 46.10    | 100          | 189           | 382            | 720             |           | 80       | <a href="#">WG1772108</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 16.0         | 69.4          | 168            | 728             |           | 80       | <a href="#">WG1772108</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 16.0         | 78.5          | 242            | 1190            |           | 80       | <a href="#">WG1772108</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 16.0         | 89.9          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 16.0         | 79.1          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 16.0         | 123           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 16.0         | 112           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Heptane                        | 142-82-5   | 100      | 16.0         | 65.4          | 1390           | 5690            |           | 80       | <a href="#">WG1772108</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 50.4         | 538           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 50.4         | 178           | 2940           | 10400           |           | 80       | <a href="#">WG1772108</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 16.0         | 78.7          | 225            | 1110            |           | 80       | <a href="#">WG1772108</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 16.0         | 55.6          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 100          | 409           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 100          | 295           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 100          | 409           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 16.0         | 65.5          | 25.6           | 105             |           | 80       | <a href="#">WG1772108</a> |
| MTBE                           | 1634-04-4  | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Naphthalene                    | 91-20-3    | 128      | 50.4         | 264           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 100          | 246           | 82600          | 203000          | E         | 80       | <a href="#">WG1772108</a> |
| Propene                        | 115-07-1   | 42.10    | 100          | 172           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Styrene                        | 100-42-5   | 104      | 16.0         | 68.1          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 16.0         | 110           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 16.0         | 109           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 16.0         | 47.2          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Toluene                        | 108-88-3   | 92.10    | 40.0         | 151           | 62.3           | 235             |           | 80       | <a href="#">WG1772108</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 50.4         | 373           | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |



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## 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      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Trichloroethylene          | 79-01-6   | 131      | 16.0         | 85.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 16.0         | 78.5          | 606            | 2970            |           | 80       | <a href="#">WG1772108</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 16.0         | 78.5          | 259            | 1270            |           | 80       | <a href="#">WG1772108</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 16.0         | 74.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 16.0         | 40.9          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 16.0         | 70.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 16.0         | 56.3          | 527            | 1860            |           | 80       | <a href="#">WG1772108</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 32.0         | 139           | 818            | 3550            |           | 80       | <a href="#">WG1772108</a> |
| o-Xylene                   | 95-47-6   | 106      | 16.0         | 69.4          | 244            | 1060            |           | 80       | <a href="#">WG1772108</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 16000        | 66100         | 58300          | 241000          |           | 80       | <a href="#">WG1772108</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 97.8           |                 |           |          | <a href="#">WG1772108</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

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## 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    | 100          | 238           | ND             | ND              |           | 80       | WG1772108 |
| Allyl chloride                 | 107-05-1   | 76.53    | 16.0         | 50.1          | ND             | ND              |           | 80       | WG1772108 |
| Benzene                        | 71-43-2    | 78.10    | 16.0         | 51.1          | ND             | ND              |           | 80       | WG1772108 |
| Benzyl Chloride                | 100-44-7   | 127      | 16.0         | 83.1          | ND             | ND              |           | 80       | WG1772108 |
| Bromodichloromethane           | 75-27-4    | 164      | 16.0         | 107           | ND             | ND              |           | 80       | WG1772108 |
| Bromoform                      | 75-25-2    | 253      | 48.0         | 497           | ND             | ND              |           | 80       | WG1772108 |
| Bromomethane                   | 74-83-9    | 94.90    | 16.0         | 62.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 160          | 354           | ND             | ND              |           | 80       | WG1772108 |
| Carbon disulfide               | 75-15-0    | 76.10    | 16.0         | 49.8          | ND             | ND              |           | 80       | WG1772108 |
| Carbon tetrachloride           | 56-23-5    | 154      | 16.0         | 101           | ND             | ND              |           | 80       | WG1772108 |
| Chlorobenzene                  | 108-90-7   | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1772108 |
| Chloroethane                   | 75-00-3    | 64.50    | 16.0         | 42.2          | ND             | ND              |           | 80       | WG1772108 |
| Chloroform                     | 67-66-3    | 119      | 16.0         | 77.9          | ND             | ND              |           | 80       | WG1772108 |
| Chloromethane                  | 74-87-3    | 50.50    | 16.0         | 33.0          | ND             | ND              |           | 80       | WG1772108 |
| 2-Chlorotoluene                | 95-49-8    | 126      | 16.0         | 82.5          | ND             | ND              |           | 80       | WG1772108 |
| Cyclohexane                    | 110-82-7   | 84.20    | 16.0         | 55.1          | 6880           | 23700           |           | 80       | WG1772108 |
| Dibromochloromethane           | 124-48-1   | 208      | 16.0         | 136           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 16.0         | 123           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 16.0         | 64.8          | ND             | ND              |           | 80       | WG1772108 |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 16.0         | 64.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1772108 |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1772108 |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1772108 |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1772108 |
| Ethanol                        | 64-17-5    | 46.10    | 100          | 189           | 495            | 933             |           | 80       | WG1772108 |
| Ethylbenzene                   | 100-41-4   | 106      | 16.0         | 69.4          | 269            | 1170            |           | 80       | WG1772108 |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 16.0         | 78.5          | 277            | 1360            |           | 80       | WG1772108 |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 16.0         | 89.9          | ND             | ND              |           | 80       | WG1772108 |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 16.0         | 79.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 16.0         | 123           | ND             | ND              |           | 80       | WG1772108 |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 16.0         | 112           | ND             | ND              |           | 80       | WG1772108 |
| Heptane                        | 142-82-5   | 100      | 16.0         | 65.4          | 8030           | 32800           |           | 80       | WG1772108 |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 50.4         | 538           | ND             | ND              |           | 80       | WG1772108 |
| n-Hexane                       | 110-54-3   | 86.20    | 630          | 2220          | 24800          | 87400           |           | 1000     | WG1772713 |
| Isopropylbenzene               | 98-82-8    | 120.20   | 16.0         | 78.7          | 269            | 1320            |           | 80       | WG1772108 |
| Methylene Chloride             | 75-09-2    | 84.90    | 16.0         | 55.6          | 18.4           | 63.9            |           | 80       | WG1772108 |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 100          | 409           | ND             | ND              |           | 80       | WG1772108 |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 100          | 295           | ND             | ND              |           | 80       | WG1772108 |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 100          | 409           | ND             | ND              |           | 80       | WG1772108 |
| Methyl methacrylate            | 80-62-6    | 100.12   | 16.0         | 65.5          | ND             | ND              |           | 80       | WG1772108 |
| MTBE                           | 1634-04-4  | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1772108 |
| Naphthalene                    | 91-20-3    | 128      | 50.4         | 264           | ND             | ND              |           | 80       | WG1772108 |
| 2-Propanol                     | 67-63-0    | 60.10    | 1250         | 3070          | 202000         | 497000          | E         | 1000     | WG1772713 |
| Propene                        | 115-07-1   | 42.10    | 100          | 172           | ND             | ND              |           | 80       | WG1772108 |
| Styrene                        | 100-42-5   | 104      | 16.0         | 68.1          | ND             | ND              |           | 80       | WG1772108 |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 16.0         | 110           | ND             | ND              |           | 80       | WG1772108 |
| Tetrachloroethylene            | 127-18-4   | 166      | 16.0         | 109           | ND             | ND              |           | 80       | WG1772108 |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 16.0         | 47.2          | ND             | ND              |           | 80       | WG1772108 |
| Toluene                        | 108-88-3   | 92.10    | 40.0         | 151           | 234            | 881             |           | 80       | WG1772108 |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 50.4         | 373           | ND             | ND              |           | 80       | WG1772108 |





Collected date/time: 11/08/21 11:51

L1428914

## 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      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Trichloroethylene          | 79-01-6   | 131      | 16.0         | 85.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 16.0         | 78.5          | 743            | 3650            |           | 80       | <a href="#">WG1772108</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 16.0         | 78.5          | 314            | 1540            |           | 80       | <a href="#">WG1772108</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 16.0         | 74.7          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 16.0         | 40.9          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 16.0         | 70.0          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 16.0         | 56.3          | ND             | ND              |           | 80       | <a href="#">WG1772108</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 32.0         | 139           | 1150           | 4990            |           | 80       | <a href="#">WG1772108</a> |
| o-Xylene                   | 95-47-6   | 106      | 16.0         | 69.4          | 314            | 1360            |           | 80       | <a href="#">WG1772108</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 16000        | 66100         | 176000         | 727000          |           | 80       | <a href="#">WG1772108</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 100            |                 |           |          | <a href="#">WG1772108</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 102            |                 |           |          | <a href="#">WG177213</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) R3727913-3 11/10/21 11:46

| 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          |
| 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          |
| n-Hexane                       | U                 |              | 0.206          | 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

L1428914-01,02,03,04

Method Blank (MB)

(MB) R3727913-3 11/10/21 11:46

| 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          |
| Ethanol                     | 0.278             | U            | 0.265          | 1.25           |
| TPH (GC/MS) Low Fraction    | 56.8              | U            | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene  | 93.7              |              |                | 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

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

(LCS) R3727913-1 11/10/21 10:44 • (LCSD) R3727913-2 11/10/21 11:16

| 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>% |
|-------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethanol                       | 3.75                 | 3.62               | 3.59                | 96.5          | 95.7           | 55.0-148         |               |                | 0.832    | 25              |
| Propene                       | 3.75                 | 3.44               | 3.42                | 91.7          | 91.2           | 64.0-144         |               |                | 0.583    | 25              |
| Dichlorodifluoromethane       | 3.75                 | 3.57               | 3.65                | 95.2          | 97.3           | 64.0-139         |               |                | 2.22     | 25              |
| 1,2-Dichlorotetrafluoroethane | 3.75                 | 3.58               | 3.63                | 95.5          | 96.8           | 70.0-130         |               |                | 1.39     | 25              |

Volatile Organic Compounds (MS) by Method TO-15

L1428914-01.02.03.04

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

(LCS) R3727913-1 11/10/21 10:44 • (LCSD) R3727913-2 11/10/21 11:16

| 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>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Chloromethane                  | 3.75                 | 3.46               | 3.57                | 92.3          | 95.2           | 70.0-130         |                      |                       | 3.13     | 25              |
| Vinyl chloride                 | 3.75                 | 3.54               | 3.53                | 94.4          | 94.1           | 70.0-130         |                      |                       | 0.283    | 25              |
| 1,3-Butadiene                  | 3.75                 | 2.89               | 3.63                | 77.1          | 96.8           | 70.0-130         |                      |                       | 22.7     | 25              |
| Bromomethane                   | 3.75                 | 3.60               | 3.62                | 96.0          | 96.5           | 70.0-130         |                      |                       | 0.554    | 25              |
| Chloroethane                   | 3.75                 | 3.28               | 3.37                | 87.5          | 89.9           | 70.0-130         |                      |                       | 2.71     | 25              |
| Trichlorofluoromethane         | 3.75                 | 3.58               | 3.59                | 95.5          | 95.7           | 70.0-130         |                      |                       | 0.279    | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 3.90               | 3.94                | 104           | 105            | 70.0-130         |                      |                       | 1.02     | 25              |
| 1,1-Dichloroethene             | 3.75                 | 3.76               | 3.76                | 100           | 100            | 70.0-130         |                      |                       | 0.000    | 25              |
| 1,1-Dichloroethane             | 3.75                 | 3.63               | 3.67                | 96.8          | 97.9           | 70.0-130         |                      |                       | 1.10     | 25              |
| Acetone                        | 3.75                 | 3.40               | 3.44                | 90.7          | 91.7           | 70.0-130         |                      |                       | 1.17     | 25              |
| 2-Propanol                     | 3.75                 | 3.24               | 3.23                | 86.4          | 86.1           | 70.0-139         |                      |                       | 0.309    | 25              |
| Carbon disulfide               | 3.75                 | 3.83               | 3.85                | 102           | 103            | 70.0-130         |                      |                       | 0.521    | 25              |
| Methylene Chloride             | 3.75                 | 3.75               | 3.70                | 100           | 98.7           | 70.0-130         |                      |                       | 1.34     | 25              |
| MTBE                           | 3.75                 | 3.64               | 3.66                | 97.1          | 97.6           | 70.0-130         |                      |                       | 0.548    | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 3.78               | 3.84                | 101           | 102            | 70.0-130         |                      |                       | 1.57     | 25              |
| n-Hexane                       | 3.75                 | 3.57               | 3.57                | 95.2          | 95.2           | 70.0-130         |                      |                       | 0.000    | 25              |
| Vinyl acetate                  | 3.75                 | 3.55               | 3.51                | 94.7          | 93.6           | 70.0-130         |                      |                       | 1.13     | 25              |
| Methyl Ethyl Ketone            | 3.75                 | 3.73               | 3.75                | 99.5          | 100            | 70.0-130         |                      |                       | 0.535    | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 3.71               | 3.67                | 98.9          | 97.9           | 70.0-130         |                      |                       | 1.08     | 25              |
| Chloroform                     | 3.75                 | 3.75               | 3.73                | 100           | 99.5           | 70.0-130         |                      |                       | 0.535    | 25              |
| Cyclohexane                    | 3.75                 | 3.76               | 3.81                | 100           | 102            | 70.0-130         |                      |                       | 1.32     | 25              |
| 1,1,1-Trichloroethane          | 3.75                 | 3.91               | 3.89                | 104           | 104            | 70.0-130         |                      |                       | 0.513    | 25              |
| Carbon tetrachloride           | 3.75                 | 4.00               | 4.02                | 107           | 107            | 70.0-130         |                      |                       | 0.499    | 25              |
| Benzene                        | 3.75                 | 4.05               | 4.02                | 108           | 107            | 70.0-130         |                      |                       | 0.743    | 25              |
| 1,2-Dichloroethane             | 3.75                 | 3.86               | 3.89                | 103           | 104            | 70.0-130         |                      |                       | 0.774    | 25              |
| Heptane                        | 3.75                 | 3.74               | 3.69                | 99.7          | 98.4           | 70.0-130         |                      |                       | 1.35     | 25              |
| Trichloroethylene              | 3.75                 | 4.09               | 4.10                | 109           | 109            | 70.0-130         |                      |                       | 0.244    | 25              |
| 1,2-Dichloropropane            | 3.75                 | 3.96               | 3.94                | 106           | 105            | 70.0-130         |                      |                       | 0.506    | 25              |
| 1,4-Dioxane                    | 3.75                 | 3.99               | 4.01                | 106           | 107            | 70.0-140         |                      |                       | 0.500    | 25              |
| Bromodichloromethane           | 3.75                 | 4.07               | 4.08                | 109           | 109            | 70.0-130         |                      |                       | 0.245    | 25              |
| cis-1,3-Dichloropropene        | 3.75                 | 4.04               | 4.08                | 108           | 109            | 70.0-130         |                      |                       | 0.985    | 25              |
| 4-Methyl-2-pentanone (MIBK)    | 3.75                 | 3.73               | 3.77                | 99.5          | 101            | 70.0-139         |                      |                       | 1.07     | 25              |
| Toluene                        | 3.75                 | 4.09               | 4.07                | 109           | 109            | 70.0-130         |                      |                       | 0.490    | 25              |
| trans-1,3-Dichloropropene      | 3.75                 | 4.06               | 4.16                | 108           | 111            | 70.0-130         |                      |                       | 2.43     | 25              |
| 1,1,2-Trichloroethane          | 3.75                 | 4.22               | 4.17                | 113           | 111            | 70.0-130         |                      |                       | 1.19     | 25              |
| Tetrachloroethylene            | 3.75                 | 4.35               | 4.32                | 116           | 115            | 70.0-130         |                      |                       | 0.692    | 25              |
| Methyl Butyl Ketone            | 3.75                 | 3.79               | 3.87                | 101           | 103            | 70.0-149         |                      |                       | 2.09     | 25              |
| Dibromochloromethane           | 3.75                 | 4.35               | 4.40                | 116           | 117            | 70.0-130         |                      |                       | 1.14     | 25              |
| 1,2-Dibromoethane              | 3.75                 | 4.24               | 4.26                | 113           | 114            | 70.0-130         |                      |                       | 0.471    | 25              |
| Chlorobenzene                  | 3.75                 | 4.25               | 4.28                | 113           | 114            | 70.0-130         |                      |                       | 0.703    | 25              |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

L1428914-01,02,03,04

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

(LCS) R3727913-1 11/10/21 10:44 • (LCSD) R3727913-2 11/10/21 11:16

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethylbenzene               | 3.75                 | 4.12               | 4.12                | 110           | 110            | 70.0-130         |               |                | 0.000    | 25              |
| m&p-Xylene                 | 7.50                 | 8.22               | 8.19                | 110           | 109            | 70.0-130         |               |                | 0.366    | 25              |
| o-Xylene                   | 3.75                 | 4.09               | 4.07                | 109           | 109            | 70.0-130         |               |                | 0.490    | 25              |
| Styrene                    | 3.75                 | 4.36               | 4.34                | 116           | 116            | 70.0-130         |               |                | 0.460    | 25              |
| Bromoform                  | 3.75                 | 4.61               | 4.54                | 123           | 121            | 70.0-130         |               |                | 1.53     | 25              |
| 1,1,2,2-Tetrachloroethane  | 3.75                 | 4.13               | 4.07                | 110           | 109            | 70.0-130         |               |                | 1.46     | 25              |
| 4-Ethyltoluene             | 3.75                 | 4.27               | 4.22                | 114           | 113            | 70.0-130         |               |                | 1.18     | 25              |
| 1,3,5-Trimethylbenzene     | 3.75                 | 4.16               | 4.20                | 111           | 112            | 70.0-130         |               |                | 0.957    | 25              |
| 1,2,4-Trimethylbenzene     | 3.75                 | 4.16               | 4.04                | 111           | 108            | 70.0-130         |               |                | 2.93     | 25              |
| 1,3-Dichlorobenzene        | 3.75                 | 4.63               | 4.63                | 123           | 123            | 70.0-130         |               |                | 0.000    | 25              |
| 1,4-Dichlorobenzene        | 3.75                 | 4.78               | 4.73                | 127           | 126            | 70.0-130         |               |                | 1.05     | 25              |
| Benzyl Chloride            | 3.75                 | 4.58               | 4.52                | 122           | 121            | 70.0-152         |               |                | 1.32     | 25              |
| 1,2-Dichlorobenzene        | 3.75                 | 4.52               | 4.48                | 121           | 119            | 70.0-130         |               |                | 0.889    | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 4.45               | 4.43                | 119           | 118            | 70.0-160         |               |                | 0.450    | 25              |
| Hexachloro-1,3-butadiene   | 3.75                 | 4.15               | 4.09                | 111           | 109            | 70.0-151         |               |                | 1.46     | 25              |
| Naphthalene                | 3.75                 | 4.35               | 4.29                | 116           | 114            | 70.0-159         |               |                | 1.39     | 25              |
| TPH (GC/MS) Low Fraction   | 203                  | 248                | 246                 | 122           | 121            | 70.0-130         |               |                | 0.810    | 25              |
| Allyl Chloride             | 3.75                 | 3.68               | 3.62                | 98.1          | 96.5           | 70.0-130         |               |                | 1.64     | 25              |
| 2-Chlorotoluene            | 3.75                 | 4.19               | 4.13                | 112           | 110            | 70.0-130         |               |                | 1.44     | 25              |
| Methyl Methacrylate        | 3.75                 | 3.87               | 3.83                | 103           | 102            | 70.0-130         |               |                | 1.04     | 25              |
| Tetrahydrofuran            | 3.75                 | 3.55               | 3.53                | 94.7          | 94.1           | 70.0-137         |               |                | 0.565    | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 3.63               | 3.66                | 96.8          | 97.6           | 70.0-130         |               |                | 0.823    | 25              |
| Vinyl Bromide              | 3.75                 | 3.63               | 3.67                | 96.8          | 97.9           | 70.0-130         |               |                | 1.10     | 25              |
| Isopropylbenzene           | 3.75                 | 4.20               | 4.15                | 112           | 111            | 70.0-130         |               |                | 1.20     | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 98.8          | 96.9           | 60.0-140         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R3728328-3 11/11/21 10:07

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | ppbv      |              | ppbv   | ppbv     |
| 2-Propanol                 | U         |              | 0.264  | 1.25     |
| Cyclohexane                | U         |              | 0.0753 | 0.200    |
| Heptane                    | U         |              | 0.104  | 0.200    |
| n-Hexane                   | U         |              | 0.206  | 0.630    |
| (S) 1,4-Bromofluorobenzene | 98.2      |              |        | 60.0-140 |

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

(LCS) R3728328-1 11/11/21 08:40 • (LCSD) R3728328-2 11/11/21 09:24

| Analyte                    | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
|                            | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %    | %          |
| 2-Propanol                 | 3.75         | 3.13       | 3.19        | 83.5     | 85.1      | 70.0-139    |               |                | 1.90 | 25         |
| Cyclohexane                | 3.75         | 3.26       | 3.32        | 86.9     | 88.5      | 70.0-130    |               |                | 1.82 | 25         |
| Heptane                    | 3.75         | 2.96       | 3.00        | 78.9     | 80.0      | 70.0-130    |               |                | 1.34 | 25         |
| n-Hexane                   | 3.75         | 3.09       | 3.20        | 82.4     | 85.3      | 70.0-130    |               |                | 3.50 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 99.4     | 99.8      | 60.0-140    |               |                |      |            |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15 [L1428914-01](#)

Method Blank (MB)

(MB) R3728842-3 11/12/21 10:12

| Analyte                    | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|----------------------------|-------------------|--------------|----------------|----------------|
| Cyclohexane                | U                 |              | 0.0753         | 0.200          |
| Heptane                    | U                 |              | 0.104          | 0.200          |
| TPH (GC/MS) Low Fraction   | U                 |              | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene | 98.9              |              |                | 60.0-140       |

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

(LCS) R3728842-1 11/12/21 08:46 • (LCSD) R3728842-2 11/12/21 09:30

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Cyclohexane                | 3.75                 | 3.42               | 3.48                | 91.2          | 92.8           | 70.0-130         |               |                | 1.74     | 25              |
| Heptane                    | 3.75                 | 3.08               | 3.13                | 82.1          | 83.5           | 70.0-130         |               |                | 1.61     | 25              |
| TPH (GC/MS) Low Fraction   | 203                  | 188                | 191                 | 92.6          | 94.1           | 70.0-130         |               |                | 1.58     | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 99.4          | 99.0           | 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

L1428914-01

Method Blank (MB)

(MB) R3728932-3 11/12/21 10:12

| Analyte                    | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|----------------------------|-------------------|--------------|----------------|----------------|
| n-Hexane                   | U                 |              | 0.206          | 0.630          |
| 2-Propanol                 | U                 |              | 0.264          | 1.25           |
| (S) 1,4-Bromofluorobenzene | 98.9              |              |                | 60.0-140       |

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

(LCS) R3728932-1 11/12/21 08:46 • (LCSD) R3728932-2 11/12/21 09:30

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 2-Propanol                 | 3.75                 | 3.46               | 3.43                | 92.3          | 91.5           | 70.0-139         |               |                | 0.871    | 25              |
| n-Hexane                   | 3.75                 | 3.41               | 3.41                | 90.9          | 90.9           | 70.0-130         |               |                | 0.000    | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 99.4          | 99.0           | 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

|   |                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                         |



## 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

[illegible]

11/9-NCF-ENSOLUMTX L1428914/~~L1428915~~ *LM*

R5

Time estimate: 0h      Time spent: 0h

Members

☒ HM Hailey Melson (responsible)      ☒ MB Mark Beasley

Due on 12 November 2021 8:00 AM for target Done

- ☒ Login Clarification needed
- ☐ Chain of custody is incomplete
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☐ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☒ Client did not "X" analysis
- ☐ Chain of Custody is missing
- ☐ If no COC: Received by: \_\_\_\_\_
- ☐ If no COC: Date/Time: \_\_\_\_\_
- ☐ If no COC: Temp./Cont.Rec./pH: \_\_\_\_\_
- ☐ If no COC: Carrier: \_\_\_\_\_
- ☐ If no COC: Tracking #: \_\_\_\_\_
- ☐ Client informed by call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: 11/10/21 \_\_\_\_\_
- ☐ PM initials: MB \_\_\_\_\_
- ☐ Client Contact: Kathleen Steward \_\_\_\_\_

Comments

|                                                                                 |                          |
|---------------------------------------------------------------------------------|--------------------------|
| Hailey Melson                                                                   | 9 November 2021 5:56 PM  |
| COC not filled out. Received 5 canisters numbered, 0936, 1013, 1030, 1151, 1552 |                          |
| Project: Ensolum Levey Well.                                                    |                          |
| Mark Beasley                                                                    | 10 November 2021 8:55 AM |
| See attached COCs                                                               |                          |





## ANALYTICAL REPORT

November 18, 2021

**Ensolum, LLC**

Sample Delivery Group: L1431006  
Samples Received: 11/13/2021  
Project Number: 03B1417001  
Description: Levey Well  
Site: 03B1417001  
Report To: Beaux Jennings  
705 W. Wadley Ave, Ste 210  
Midland, TX 79705

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "M. Beasley".

Mark W. Beasley  
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 L1431006-01                          | 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 L1431006-01 Air

Collected by  
Shane Diller

Collected date/time  
11/11/21 12:08

Received date/time  
11/13/21 09:00

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG1773853 | 80       | 11/14/21 01:29        | 11/14/21 01:29     | FKG     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1774460 | 1000     | 11/15/21 17:26        | 11/15/21 17:26     | CEP     | 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.



Mark W. Beasley  
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



## Laboratory Data Package Cover Page

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.



Mark W. Beasley  
Project Manager

# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |                | LRC Date: 11/18/2021 12:25                                                                                                                                               |     |    |                 |                 |                  |
|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |                | Laboratory Job Number: L1431006-01                                                                                                                                       |     |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley            |                | Prep Batch Number(s): WG1773853 and WG1774460                                                                                                                            |     |    |                 |                 |                  |
| # <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: 11/18/2021 12:25                    |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                        | Laboratory Job Number: L1431006-01            |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                                                                                                        | Prep Batch Number(s): WG1773853 and WG1774460 |    |                 |                 |                  |
| # <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: 11/18/2021 12:25                    |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                          | Laboratory Job Number: L1431006-01            |  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                          | Prep Batch Number(s): WG1773853 and WG1774460 |  |
| <b>ER #<sup>1</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Description</b>                                                                                                                                                       |                                               |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TO-15 WG1774460 L1431006-01: 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: 11/11/21 12:08

L1431006

## 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    | 100          | 238           | 3890           | 9240            |           | 80       | WG1773853 |
| Allyl chloride                 | 107-05-1   | 76.53    | 16.0         | 50.1          | ND             | ND              |           | 80       | WG1773853 |
| Benzene                        | 71-43-2    | 78.10    | 16.0         | 51.1          | ND             | ND              |           | 80       | WG1773853 |
| Benzyl Chloride                | 100-44-7   | 127      | 16.0         | 83.1          | ND             | ND              |           | 80       | WG1773853 |
| Bromodichloromethane           | 75-27-4    | 164      | 16.0         | 107           | ND             | ND              |           | 80       | WG1773853 |
| Bromoform                      | 75-25-2    | 253      | 48.0         | 497           | ND             | ND              |           | 80       | WG1773853 |
| Bromomethane                   | 74-83-9    | 94.90    | 16.0         | 62.1          | ND             | ND              |           | 80       | WG1773853 |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 160          | 354           | ND             | ND              |           | 80       | WG1773853 |
| Carbon disulfide               | 75-15-0    | 76.10    | 16.0         | 49.8          | ND             | ND              |           | 80       | WG1773853 |
| Carbon tetrachloride           | 56-23-5    | 154      | 16.0         | 101           | ND             | ND              |           | 80       | WG1773853 |
| Chlorobenzene                  | 108-90-7   | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1773853 |
| Chloroethane                   | 75-00-3    | 64.50    | 16.0         | 42.2          | ND             | ND              |           | 80       | WG1773853 |
| Chloroform                     | 67-66-3    | 119      | 16.0         | 77.9          | ND             | ND              |           | 80       | WG1773853 |
| Chloromethane                  | 74-87-3    | 50.50    | 16.0         | 33.0          | ND             | ND              |           | 80       | WG1773853 |
| 2-Chlorotoluene                | 95-49-8    | 126      | 16.0         | 82.5          | ND             | ND              |           | 80       | WG1773853 |
| Cyclohexane                    | 110-82-7   | 84.20    | 200          | 689           | 13700          | 47200           |           | 1000     | WG1774460 |
| Dibromochloromethane           | 124-48-1   | 208      | 16.0         | 136           | ND             | ND              |           | 80       | WG1773853 |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 16.0         | 123           | ND             | ND              |           | 80       | WG1773853 |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1773853 |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1773853 |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1773853 |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 16.0         | 64.8          | ND             | ND              |           | 80       | WG1773853 |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 16.0         | 64.1          | ND             | ND              |           | 80       | WG1773853 |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1773853 |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1773853 |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1773853 |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | WG1773853 |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1773853 |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | WG1773853 |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1773853 |
| Ethanol                        | 64-17-5    | 46.10    | 100          | 189           | 691            | 1300            |           | 80       | WG1773853 |
| Ethylbenzene                   | 100-41-4   | 106      | 16.0         | 69.4          | 129            | 559             |           | 80       | WG1773853 |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 16.0         | 78.5          | 156            | 766             |           | 80       | WG1773853 |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 16.0         | 89.9          | ND             | ND              |           | 80       | WG1773853 |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 16.0         | 79.1          | ND             | ND              |           | 80       | WG1773853 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 16.0         | 123           | ND             | ND              |           | 80       | WG1773853 |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 16.0         | 112           | ND             | ND              |           | 80       | WG1773853 |
| Heptane                        | 142-82-5   | 100      | 200          | 818           | 13300          | 54400           |           | 1000     | WG1774460 |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 50.4         | 538           | ND             | ND              |           | 80       | WG1773853 |
| n-Hexane                       | 110-54-3   | 86.20    | 630          | 2220          | 79200          | 279000          |           | 1000     | WG1774460 |
| Isopropylbenzene               | 98-82-8    | 120.20   | 16.0         | 78.7          | 84.0           | 413             |           | 80       | WG1773853 |
| Methylene Chloride             | 75-09-2    | 84.90    | 16.0         | 55.6          | ND             | ND              |           | 80       | WG1773853 |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 100          | 409           | ND             | ND              |           | 80       | WG1773853 |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 100          | 295           | ND             | ND              |           | 80       | WG1773853 |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 100          | 409           | ND             | ND              |           | 80       | WG1773853 |
| Methyl methacrylate            | 80-62-6    | 100.12   | 16.0         | 65.5          | ND             | ND              |           | 80       | WG1773853 |
| MTBE                           | 1634-04-4  | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1773853 |
| Naphthalene                    | 91-20-3    | 128      | 50.4         | 264           | ND             | ND              |           | 80       | WG1773853 |
| 2-Propanol                     | 67-63-0    | 60.10    | 1250         | 3070          | 396000         | 973000          | E         | 1000     | WG1774460 |
| Propene                        | 115-07-1   | 42.10    | 100          | 172           | ND             | ND              |           | 80       | WG1773853 |
| Styrene                        | 100-42-5   | 104      | 16.0         | 68.1          | ND             | ND              |           | 80       | WG1773853 |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 16.0         | 110           | ND             | ND              |           | 80       | WG1773853 |
| Tetrachloroethylene            | 127-18-4   | 166      | 16.0         | 109           | 25.7           | 174             |           | 80       | WG1773853 |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 16.0         | 47.2          | ND             | ND              |           | 80       | WG1773853 |
| Toluene                        | 108-88-3   | 92.10    | 40.0         | 151           | 194            | 731             |           | 80       | WG1773853 |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 50.4         | 373           | ND             | ND              |           | 80       | WG1773853 |

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

Collected date/time: 11/11/21 12:08

L1431006

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      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1773853</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1773853</a> |
| Trichloroethylene          | 79-01-6   | 131      | 16.0         | 85.7          | ND             | ND              |           | 80       | <a href="#">WG1773853</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 16.0         | 78.5          | 117            | 574             |           | 80       | <a href="#">WG1773853</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 16.0         | 78.5          | 62.6           | 307             |           | 80       | <a href="#">WG1773853</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 16.0         | 74.7          | ND             | ND              |           | 80       | <a href="#">WG1773853</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 16.0         | 40.9          | ND             | ND              |           | 80       | <a href="#">WG1773853</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 16.0         | 70.0          | ND             | ND              |           | 80       | <a href="#">WG1773853</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 16.0         | 56.3          | ND             | ND              |           | 80       | <a href="#">WG1773853</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 32.0         | 139           | 399            | 1730            |           | 80       | <a href="#">WG1773853</a> |
| o-Xylene                   | 95-47-6   | 106      | 16.0         | 69.4          | 117            | 507             |           | 80       | <a href="#">WG1773853</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 16000        | 66100         | 250000         | 1030000         |           | 80       | <a href="#">WG1773853</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 104            |                 |           |          | <a href="#">WG1773853</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 101            |                 |           |          | <a href="#">WG1774460</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) R3729199-3 11/13/21 10:44

| 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          |
| 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          |
| 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          |
| Hexachloro-1,3-butadiene       | U                 |              | 0.105          | 0.630          |
| Isopropylbenzene               | U                 |              | 0.0777         | 0.200          |
| Methylene Chloride             | U                 |              | 0.0979         | 0.200          |
| Methyl Butyl Ketone            | U                 |              | 0.133          | 1.25           |
| 2-Butanone (MEK)               | U                 |              | 0.0814         | 1.25           |

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

L1431006-01

Method Blank (MB)

(MB) R3729199-3 11/13/21 10:44

| Analyte                     | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|-----------------------------|-------------------|--------------|----------------|----------------|
| 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          |
| 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          |
| Ethanol                     | U                 |              | 0.265          | 1.25           |
| TPH (GC/MS) Low Fraction    | U                 |              | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene  | 101               |              |                | 60.0-140       |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R3729199-1 11/13/21 09:27 • (LCSD) R3729199-2 11/13/21 10:06

| 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>% |
|-------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethanol                       | 3.75                 | 3.92               | 3.93                | 105           | 105            | 55.0-148         |               |                | 0.255    | 25              |
| Propene                       | 3.75                 | 3.84               | 3.85                | 102           | 103            | 64.0-144         |               |                | 0.260    | 25              |
| Dichlorodifluoromethane       | 3.75                 | 3.86               | 3.92                | 103           | 105            | 64.0-139         |               |                | 1.54     | 25              |
| 1,2-Dichlorotetrafluoroethane | 3.75                 | 3.84               | 3.87                | 102           | 103            | 70.0-130         |               |                | 0.778    | 25              |
| Chloromethane                 | 3.75                 | 3.76               | 3.83                | 100           | 102            | 70.0-130         |               |                | 1.84     | 25              |
| Vinyl chloride                | 3.75                 | 3.56               | 3.61                | 94.9          | 96.3           | 70.0-130         |               |                | 1.39     | 25              |
| 1,3-Butadiene                 | 3.75                 | 3.33               | 3.45                | 88.8          | 92.0           | 70.0-130         |               |                | 3.54     | 25              |
| Bromomethane                  | 3.75                 | 3.53               | 3.59                | 94.1          | 95.7           | 70.0-130         |               |                | 1.69     | 25              |



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

(LCS) R3729199-1 11/13/21 09:27 • (LCSD) R3729199-2 11/13/21 10:06

| 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>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Chloroethane                   | 3.75                 | 3.27               | 3.30                | 87.2          | 88.0           | 70.0-130         |                      |                       | 0.913    | 25              |
| Trichlorofluoromethane         | 3.75                 | 3.76               | 3.79                | 100           | 101            | 70.0-130         |                      |                       | 0.795    | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 4.06               | 4.10                | 108           | 109            | 70.0-130         |                      |                       | 0.980    | 25              |
| 1,1-Dichloroethene             | 3.75                 | 3.89               | 3.95                | 104           | 105            | 70.0-130         |                      |                       | 1.53     | 25              |
| 1,1-Dichloroethane             | 3.75                 | 3.84               | 3.89                | 102           | 104            | 70.0-130         |                      |                       | 1.29     | 25              |
| Acetone                        | 3.75                 | 3.58               | 3.62                | 95.5          | 96.5           | 70.0-130         |                      |                       | 1.11     | 25              |
| Carbon disulfide               | 3.75                 | 3.93               | 3.99                | 105           | 106            | 70.0-130         |                      |                       | 1.52     | 25              |
| Methylene Chloride             | 3.75                 | 3.67               | 3.73                | 97.9          | 99.5           | 70.0-130         |                      |                       | 1.62     | 25              |
| MTBE                           | 3.75                 | 4.10               | 4.14                | 109           | 110            | 70.0-130         |                      |                       | 0.971    | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 3.88               | 3.94                | 103           | 105            | 70.0-130         |                      |                       | 1.53     | 25              |
| Vinyl acetate                  | 3.75                 | 3.40               | 3.50                | 90.7          | 93.3           | 70.0-130         |                      |                       | 2.90     | 25              |
| Methyl Ethyl Ketone            | 3.75                 | 3.99               | 4.03                | 106           | 107            | 70.0-130         |                      |                       | 0.998    | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 3.89               | 3.95                | 104           | 105            | 70.0-130         |                      |                       | 1.53     | 25              |
| Chloroform                     | 3.75                 | 3.87               | 3.89                | 103           | 104            | 70.0-130         |                      |                       | 0.515    | 25              |
| 1,1,1-Trichloroethane          | 3.75                 | 3.92               | 3.97                | 105           | 106            | 70.0-130         |                      |                       | 1.27     | 25              |
| Carbon tetrachloride           | 3.75                 | 3.95               | 3.99                | 105           | 106            | 70.0-130         |                      |                       | 1.01     | 25              |
| Benzene                        | 3.75                 | 3.79               | 3.87                | 101           | 103            | 70.0-130         |                      |                       | 2.09     | 25              |
| 1,2-Dichloroethane             | 3.75                 | 3.72               | 3.83                | 99.2          | 102            | 70.0-130         |                      |                       | 2.91     | 25              |
| Trichloroethylene              | 3.75                 | 3.96               | 4.00                | 106           | 107            | 70.0-130         |                      |                       | 1.01     | 25              |
| 1,2-Dichloropropane            | 3.75                 | 3.72               | 3.81                | 99.2          | 102            | 70.0-130         |                      |                       | 2.39     | 25              |
| 1,4-Dioxane                    | 3.75                 | 4.20               | 4.24                | 112           | 113            | 70.0-140         |                      |                       | 0.948    | 25              |
| Bromodichloromethane           | 3.75                 | 3.79               | 3.84                | 101           | 102            | 70.0-130         |                      |                       | 1.31     | 25              |
| cis-1,3-Dichloropropene        | 3.75                 | 3.87               | 3.93                | 103           | 105            | 70.0-130         |                      |                       | 1.54     | 25              |
| 4-Methyl-2-pentanone (MIBK)    | 3.75                 | 3.93               | 4.00                | 105           | 107            | 70.0-139         |                      |                       | 1.77     | 25              |
| Toluene                        | 3.75                 | 4.02               | 4.08                | 107           | 109            | 70.0-130         |                      |                       | 1.48     | 25              |
| trans-1,3-Dichloropropene      | 3.75                 | 3.87               | 3.94                | 103           | 105            | 70.0-130         |                      |                       | 1.79     | 25              |
| 1,1,2-Trichloroethane          | 3.75                 | 3.89               | 3.93                | 104           | 105            | 70.0-130         |                      |                       | 1.02     | 25              |
| Tetrachloroethylene            | 3.75                 | 4.21               | 4.27                | 112           | 114            | 70.0-130         |                      |                       | 1.42     | 25              |
| Methyl Butyl Ketone            | 3.75                 | 3.92               | 4.05                | 105           | 108            | 70.0-149         |                      |                       | 3.26     | 25              |
| Dibromochloromethane           | 3.75                 | 3.98               | 4.02                | 106           | 107            | 70.0-130         |                      |                       | 1.00     | 25              |
| 1,2-Dibromoethane              | 3.75                 | 3.95               | 4.00                | 105           | 107            | 70.0-130         |                      |                       | 1.26     | 25              |
| Chlorobenzene                  | 3.75                 | 3.97               | 4.03                | 106           | 107            | 70.0-130         |                      |                       | 1.50     | 25              |
| Ethylbenzene                   | 3.75                 | 4.06               | 4.13                | 108           | 110            | 70.0-130         |                      |                       | 1.71     | 25              |
| m&p-Xylene                     | 7.50                 | 8.26               | 8.40                | 110           | 112            | 70.0-130         |                      |                       | 1.68     | 25              |
| o-Xylene                       | 3.75                 | 4.14               | 4.24                | 110           | 113            | 70.0-130         |                      |                       | 2.39     | 25              |
| Styrene                        | 3.75                 | 4.14               | 4.22                | 110           | 113            | 70.0-130         |                      |                       | 1.91     | 25              |
| Bromoform                      | 3.75                 | 4.16               | 4.22                | 111           | 113            | 70.0-130         |                      |                       | 1.43     | 25              |
| 1,1,2,2-Tetrachloroethane      | 3.75                 | 3.81               | 3.91                | 102           | 104            | 70.0-130         |                      |                       | 2.59     | 25              |
| 4-Ethyltoluene                 | 3.75                 | 4.21               | 4.31                | 112           | 115            | 70.0-130         |                      |                       | 2.35     | 25              |
| 1,3,5-Trimethylbenzene         | 3.75                 | 4.17               | 4.26                | 111           | 114            | 70.0-130         |                      |                       | 2.14     | 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

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

(LCS) R3729199-1 11/13/21 09:27 • (LCSD) R3729199-2 11/13/21 10:06

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2,4-Trimethylbenzene     | 3.75                 | 4.23               | 4.35                | 113           | 116            | 70.0-130         |               |                | 2.80     | 25              |
| 1,3-Dichlorobenzene        | 3.75                 | 4.12               | 4.19                | 110           | 112            | 70.0-130         |               |                | 1.68     | 25              |
| 1,4-Dichlorobenzene        | 3.75                 | 4.02               | 4.10                | 107           | 109            | 70.0-130         |               |                | 1.97     | 25              |
| Benzyl Chloride            | 3.75                 | 3.77               | 3.91                | 101           | 104            | 70.0-152         |               |                | 3.65     | 25              |
| 1,2-Dichlorobenzene        | 3.75                 | 4.11               | 4.23                | 110           | 113            | 70.0-130         |               |                | 2.88     | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 3.73               | 3.87                | 99.5          | 103            | 70.0-160         |               |                | 3.68     | 25              |
| Hexachloro-1,3-butadiene   | 3.75                 | 4.38               | 4.48                | 117           | 119            | 70.0-151         |               |                | 2.26     | 25              |
| Naphthalene                | 3.75                 | 3.86               | 3.95                | 103           | 105            | 70.0-159         |               |                | 2.30     | 25              |
| TPH (GC/MS) Low Fraction   | 203                  | 227                | 230                 | 112           | 113            | 70.0-130         |               |                | 1.31     | 25              |
| Allyl Chloride             | 3.75                 | 3.70               | 3.90                | 98.7          | 104            | 70.0-130         |               |                | 5.26     | 25              |
| 2-Chlorotoluene            | 3.75                 | 4.01               | 4.06                | 107           | 108            | 70.0-130         |               |                | 1.24     | 25              |
| Methyl Methacrylate        | 3.75                 | 3.83               | 3.97                | 102           | 106            | 70.0-130         |               |                | 3.59     | 25              |
| Tetrahydrofuran            | 3.75                 | 3.76               | 3.85                | 100           | 103            | 70.0-137         |               |                | 2.37     | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 3.87               | 3.95                | 103           | 105            | 70.0-130         |               |                | 2.05     | 25              |
| Vinyl Bromide              | 3.75                 | 3.77               | 3.86                | 101           | 103            | 70.0-130         |               |                | 2.36     | 25              |
| Isopropylbenzene           | 3.75                 | 4.25               | 4.34                | 113           | 116            | 70.0-130         |               |                | 2.10     | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 101           | 101            | 60.0-140         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R3729946-3 11/15/21 10:34

| Analyte                    | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|----------------------------|-------------------|--------------|----------------|----------------|
| Cyclohexane                | U                 |              | 0.0753         | 0.200          |
| Heptane                    | U                 |              | 0.104          | 0.200          |
| n-Hexane                   | U                 |              | 0.206          | 0.630          |
| 2-Propanol                 | U                 |              | 0.264          | 1.25           |
| (S) 1,4-Bromofluorobenzene | 97.9              |              |                | 60.0-140       |

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

(LCS) R3729946-1 11/15/21 09:12 • (LCSD) R3729946-2 11/15/21 09:54

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 2-Propanol                 | 3.75                 | 4.24               | 4.24                | 113           | 113            | 70.0-139         |               |                | 0.000    | 25              |
| n-Hexane                   | 3.75                 | 4.20               | 4.15                | 112           | 111            | 70.0-130         |               |                | 1.20     | 25              |
| Cyclohexane                | 3.75                 | 4.10               | 4.01                | 109           | 107            | 70.0-130         |               |                | 2.22     | 25              |
| Heptane                    | 3.75                 | 4.11               | 4.18                | 110           | 111            | 70.0-130         |               |                | 1.69     | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 99.4          | 98.5           | 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

|   |                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------|
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
|---|---------------------------------------------------------------------------------------------------------------------------------------------|



## 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: 1/2/2024 3:42:27 PM



## ANALYTICAL REPORT

November 26, 2021

**Ensolum, LLC**

Sample Delivery Group: L1433989  
Samples Received: 11/20/2021  
Project Number: 03B1417001  
Description: Levey Well  
Site: 03B1417001  
Report To: Beaux Jennings  
705 W. Wadley Ave, Ste 210  
Midland, TX 79705



Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "M Beasley".

Mark W. Beasley  
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 L1433989-01                          | 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                           | 17 | <sup>8</sup> Gl  |
| Al: Accreditations & Locations                  | 18 |                  |
| Sc: Sample Chain of Custody                     | 19 | <sup>9</sup> Al  |
|                                                 |    | <sup>10</sup> Sc |



LEVEY WELL L1433989-01 Air

Collected by  
Aaron Marquez

Collected date/time  
11/18/21 15:05

Received date/time  
11/20/21 09:00

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG1779059 | 100      | 11/24/21 01:45        | 11/24/21 01:45     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1779707 | 2000     | 11/24/21 13:55        | 11/24/21 13:55     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1780226 | 10000    | 11/25/21 15:37        | 11/25/21 15:37     | DAH     | 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.



Mark W. Beasley  
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 |

## Laboratory Data Package Cover Page

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.



Mark W. Beasley  
Project Manager

# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |    | LRC Date: 11/26/2021 12:23                                                                                                                                               |     |    |                 |                 |                  |
|-------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |    | Laboratory Job Number: L1433989-01                                                                                                                                       |     |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley            |    | Prep Batch Number(s): WG1779059, WG1779707 and WG1780226                                                                                                                 |     |    |                 |                 |                  |
| #1                                        | A2 | 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: 11/26/2021 12:23                               |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                        | Laboratory Job Number: L1433989-01                       |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                                                                                                        | Prep Batch Number(s): WG1779059, WG1779707 and WG1780226 |    |                 |                 |                  |
| # <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: 11/26/2021 12:23                               |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | Laboratory Job Number: L1433989-01                       |  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             | Prep Batch Number(s): WG1779059, WG1779707 and WG1780226 |  |
| ER # <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Description |                                                          |  |
| 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: 11/18/21 15:05

L1433989

## 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    | 2500         | 5940          | 7890           | 18700           |           | 2000     | WG1779707 |
| Allyl chloride                 | 107-05-1   | 76.53    | 20.0         | 62.6          | ND             | ND              |           | 100      | WG1779059 |
| Benzene                        | 71-43-2    | 78.10    | 20.0         | 63.9          | ND             | ND              |           | 100      | WG1779059 |
| Benzyl Chloride                | 100-44-7   | 127      | 20.0         | 104           | ND             | ND              |           | 100      | WG1779059 |
| Bromodichloromethane           | 75-27-4    | 164      | 20.0         | 134           | ND             | ND              |           | 100      | WG1779059 |
| Bromoform                      | 75-25-2    | 253      | 60.0         | 621           | ND             | ND              |           | 100      | WG1779059 |
| Bromomethane                   | 74-83-9    | 94.90    | 20.0         | 77.6          | ND             | ND              |           | 100      | WG1779059 |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 200          | 443           | ND             | ND              |           | 100      | WG1779059 |
| Carbon disulfide               | 75-15-0    | 76.10    | 20.0         | 62.2          | ND             | ND              |           | 100      | WG1779059 |
| Carbon tetrachloride           | 56-23-5    | 154      | 20.0         | 126           | ND             | ND              |           | 100      | WG1779059 |
| Chlorobenzene                  | 108-90-7   | 113      | 20.0         | 92.4          | ND             | ND              |           | 100      | WG1779059 |
| Chloroethane                   | 75-00-3    | 64.50    | 20.0         | 52.8          | ND             | ND              |           | 100      | WG1779059 |
| Chloroform                     | 67-66-3    | 119      | 20.0         | 97.3          | ND             | ND              |           | 100      | WG1779059 |
| Chloromethane                  | 74-87-3    | 50.50    | 20.0         | 41.3          | ND             | ND              |           | 100      | WG1779059 |
| 2-Chlorotoluene                | 95-49-8    | 126      | 20.0         | 103           | ND             | ND              |           | 100      | WG1779059 |
| Cyclohexane                    | 110-82-7   | 84.20    | 400          | 1380          | 28200          | 97100           |           | 2000     | WG1779707 |
| Dibromochloromethane           | 124-48-1   | 208      | 20.0         | 170           | ND             | ND              |           | 100      | WG1779059 |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 20.0         | 154           | ND             | ND              |           | 100      | WG1779059 |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 20.0         | 120           | ND             | ND              |           | 100      | WG1779059 |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 20.0         | 120           | ND             | ND              |           | 100      | WG1779059 |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 20.0         | 120           | ND             | ND              |           | 100      | WG1779059 |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 20.0         | 81.0          | ND             | ND              |           | 100      | WG1779059 |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 20.0         | 80.2          | ND             | ND              |           | 100      | WG1779059 |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 20.0         | 79.3          | ND             | ND              |           | 100      | WG1779059 |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 20.0         | 79.3          | ND             | ND              |           | 100      | WG1779059 |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 20.0         | 79.3          | ND             | ND              |           | 100      | WG1779059 |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 20.0         | 92.4          | ND             | ND              |           | 100      | WG1779059 |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 20.0         | 90.8          | ND             | ND              |           | 100      | WG1779059 |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 20.0         | 90.8          | ND             | ND              |           | 100      | WG1779059 |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 20.0         | 72.1          | ND             | ND              |           | 100      | WG1779059 |
| Ethanol                        | 64-17-5    | 46.10    | 125          | 236           | ND             | ND              |           | 100      | WG1779059 |
| Ethylbenzene                   | 100-41-4   | 106      | 20.0         | 86.7          | 108            | 468             |           | 100      | WG1779059 |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 20.0         | 98.2          | 133            | 653             |           | 100      | WG1779059 |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 20.0         | 112           | ND             | ND              |           | 100      | WG1779059 |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 20.0         | 98.9          | ND             | ND              |           | 100      | WG1779059 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 20.0         | 153           | ND             | ND              |           | 100      | WG1779059 |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 20.0         | 140           | ND             | ND              |           | 100      | WG1779059 |
| Heptane                        | 142-82-5   | 100      | 400          | 1640          | 30800          | 126000          |           | 2000     | WG1779707 |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 63.0         | 673           | ND             | ND              |           | 100      | WG1779059 |
| n-Hexane                       | 110-54-3   | 86.20    | 6300         | 22200         | 438000         | 1540000         |           | 10000    | WG1780226 |
| Isopropylbenzene               | 98-82-8    | 120.20   | 20.0         | 98.3          | 78.9           | 388             |           | 100      | WG1779059 |
| Methylene Chloride             | 75-09-2    | 84.90    | 20.0         | 69.4          | ND             | ND              |           | 100      | WG1779059 |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 125          | 511           | ND             | ND              |           | 100      | WG1779059 |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 125          | 369           | ND             | ND              |           | 100      | WG1779059 |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 125          | 512           | ND             | ND              |           | 100      | WG1779059 |
| Methyl methacrylate            | 80-62-6    | 100.12   | 20.0         | 81.9          | ND             | ND              |           | 100      | WG1779059 |
| MTBE                           | 1634-04-4  | 88.10    | 20.0         | 72.1          | ND             | ND              |           | 100      | WG1779059 |
| Naphthalene                    | 91-20-3    | 128      | 63.0         | 330           | ND             | ND              |           | 100      | WG1779059 |
| 2-Propanol                     | 67-63-0    | 60.10    | 2500         | 6150          | 56800          | 140000          |           | 2000     | WG1779707 |
| Propene                        | 115-07-1   | 42.10    | 125          | 215           | ND             | ND              |           | 100      | WG1779059 |
| Styrene                        | 100-42-5   | 104      | 20.0         | 85.1          | ND             | ND              |           | 100      | WG1779059 |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 20.0         | 137           | ND             | ND              |           | 100      | WG1779059 |
| Tetrachloroethylene            | 127-18-4   | 166      | 20.0         | 136           | ND             | ND              |           | 100      | WG1779059 |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 20.0         | 59.0          | ND             | ND              |           | 100      | WG1779059 |
| Toluene                        | 108-88-3   | 92.10    | 50.0         | 188           | 162            | 610             |           | 100      | WG1779059 |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 63.0         | 466           | ND             | ND              |           | 100      | WG1779059 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 11/18/21 15:05

L1433989

## 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="#">WG1779059</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 20.0         | 109           | ND             | ND              |           | 100      | <a href="#">WG1779059</a> |
| Trichloroethylene          | 79-01-6   | 131      | 20.0         | 107           | ND             | ND              |           | 100      | <a href="#">WG1779059</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 20.0         | 98.2          | 191            | 937             |           | 100      | <a href="#">WG1779059</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 20.0         | 98.2          | 221            | 1080            |           | 100      | <a href="#">WG1779059</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 20.0         | 93.4          | ND             | ND              |           | 100      | <a href="#">WG1779059</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 20.0         | 51.1          | ND             | ND              |           | 100      | <a href="#">WG1779059</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 20.0         | 87.5          | ND             | ND              |           | 100      | <a href="#">WG1779059</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 20.0         | 70.4          | ND             | ND              |           | 100      | <a href="#">WG1779059</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 40.0         | 173           | 332            | 1440            |           | 100      | <a href="#">WG1779059</a> |
| o-Xylene                   | 95-47-6   | 106      | 20.0         | 86.7          | 121            | 525             |           | 100      | <a href="#">WG1779059</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 400000       | 1650000       | 808000         | 3340000         |           | 2000     | <a href="#">WG1779707</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 102            |                 |           |          | <a href="#">WG1779059</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 97.6           |                 |           |          | <a href="#">WG1779707</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 96.6           |                 |           |          | <a href="#">WG1780226</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

L1433989-01

Method Blank (MB)

(MB) R3732906-3 11/23/21 10:14

| Analyte                        | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| 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          |
| 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          |
| 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          |
| Hexachloro-1,3-butadiene       | U                 |              | 0.105          | 0.630          |
| Isopropylbenzene               | U                 |              | 0.0777         | 0.200          |
| 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           |

<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) R3732906-3 11/23/21 10:14

| Analyte                    | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|----------------------------|-------------------|--------------|----------------|----------------|
| Methyl Methacrylate        | U                 |              | 0.0876         | 0.200          |
| MTBE                       | U                 |              | 0.0647         | 0.200          |
| Naphthalene                | U                 |              | 0.350          | 0.630          |
| 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          |
| Ethanol                    | U                 |              | 0.265          | 1.25           |
| (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) R3732906-1 11/23/21 08:56 • (LCSD) R3732906-2 11/23/21 09:36

| 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>% |
|-------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethanol                       | 3.75                 | 4.25               | 4.15                | 113           | 111            | 55.0-148         |               |                | 2.38     | 25              |
| Propene                       | 3.75                 | 4.23               | 4.26                | 113           | 114            | 64.0-144         |               |                | 0.707    | 25              |
| Dichlorodifluoromethane       | 3.75                 | 4.08               | 4.07                | 109           | 109            | 64.0-139         |               |                | 0.245    | 25              |
| 1,2-Dichlorotetrafluoroethane | 3.75                 | 4.05               | 4.01                | 108           | 107            | 70.0-130         |               |                | 0.993    | 25              |
| Chloromethane                 | 3.75                 | 4.17               | 4.12                | 111           | 110            | 70.0-130         |               |                | 1.21     | 25              |
| Vinyl chloride                | 3.75                 | 4.22               | 4.20                | 113           | 112            | 70.0-130         |               |                | 0.475    | 25              |
| 1,3-Butadiene                 | 3.75                 | 4.26               | 4.28                | 114           | 114            | 70.0-130         |               |                | 0.468    | 25              |
| Bromomethane                  | 3.75                 | 4.10               | 4.10                | 109           | 109            | 70.0-130         |               |                | 0.000    | 25              |
| Chloroethane                  | 3.75                 | 4.23               | 4.26                | 113           | 114            | 70.0-130         |               |                | 0.707    | 25              |
| Trichlorofluoromethane        | 3.75                 | 4.16               | 4.18                | 111           | 111            | 70.0-130         |               |                | 0.480    | 25              |

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

(LCS) R3732906-1 11/23/21 08:56 • (LCSD) R3732906-2 11/23/21 09:36

| 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>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 4.03               | 4.01                | 107           | 107            | 70.0-130         |               |                | 0.498    | 25              |
| 1,1-Dichloroethene             | 3.75                 | 4.17               | 4.12                | 111           | 110            | 70.0-130         |               |                | 1.21     | 25              |
| 1,1-Dichloroethane             | 3.75                 | 4.12               | 4.12                | 110           | 110            | 70.0-130         |               |                | 0.000    | 25              |
| Carbon disulfide               | 3.75                 | 4.13               | 4.09                | 110           | 109            | 70.0-130         |               |                | 0.973    | 25              |
| Methylene Chloride             | 3.75                 | 4.10               | 4.14                | 109           | 110            | 70.0-130         |               |                | 0.971    | 25              |
| MTBE                           | 3.75                 | 4.10               | 4.08                | 109           | 109            | 70.0-130         |               |                | 0.489    | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 4.14               | 4.16                | 110           | 111            | 70.0-130         |               |                | 0.482    | 25              |
| Vinyl acetate                  | 3.75                 | 4.12               | 4.42                | 110           | 118            | 70.0-130         |               |                | 7.03     | 25              |
| Methyl Ethyl Ketone            | 3.75                 | 4.13               | 4.09                | 110           | 109            | 70.0-130         |               |                | 0.973    | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 4.12               | 4.09                | 110           | 109            | 70.0-130         |               |                | 0.731    | 25              |
| Chloroform                     | 3.75                 | 4.08               | 4.06                | 109           | 108            | 70.0-130         |               |                | 0.491    | 25              |
| 1,1,1-Trichloroethane          | 3.75                 | 4.05               | 4.00                | 108           | 107            | 70.0-130         |               |                | 1.24     | 25              |
| Carbon tetrachloride           | 3.75                 | 4.05               | 4.02                | 108           | 107            | 70.0-130         |               |                | 0.743    | 25              |
| Benzene                        | 3.75                 | 4.02               | 4.00                | 107           | 107            | 70.0-130         |               |                | 0.499    | 25              |
| 1,2-Dichloroethane             | 3.75                 | 4.13               | 4.16                | 110           | 111            | 70.0-130         |               |                | 0.724    | 25              |
| Trichloroethylene              | 3.75                 | 3.98               | 3.95                | 106           | 105            | 70.0-130         |               |                | 0.757    | 25              |
| 1,2-Dichloropropane            | 3.75                 | 4.07               | 4.10                | 109           | 109            | 70.0-130         |               |                | 0.734    | 25              |
| 1,4-Dioxane                    | 3.75                 | 4.06               | 4.01                | 108           | 107            | 70.0-140         |               |                | 1.24     | 25              |
| Bromodichloromethane           | 3.75                 | 4.03               | 4.01                | 107           | 107            | 70.0-130         |               |                | 0.498    | 25              |
| cis-1,3-Dichloropropene        | 3.75                 | 4.08               | 4.03                | 109           | 107            | 70.0-130         |               |                | 1.23     | 25              |
| 4-Methyl-2-pentanone (MIBK)    | 3.75                 | 4.23               | 4.24                | 113           | 113            | 70.0-139         |               |                | 0.236    | 25              |
| Toluene                        | 3.75                 | 3.98               | 3.94                | 106           | 105            | 70.0-130         |               |                | 1.01     | 25              |
| trans-1,3-Dichloropropene      | 3.75                 | 4.10               | 4.12                | 109           | 110            | 70.0-130         |               |                | 0.487    | 25              |
| 1,1,2-Trichloroethane          | 3.75                 | 3.97               | 3.89                | 106           | 104            | 70.0-130         |               |                | 2.04     | 25              |
| Tetrachloroethylene            | 3.75                 | 3.83               | 3.77                | 102           | 101            | 70.0-130         |               |                | 1.58     | 25              |
| Methyl Butyl Ketone            | 3.75                 | 4.33               | 4.32                | 115           | 115            | 70.0-149         |               |                | 0.231    | 25              |
| Dibromochloromethane           | 3.75                 | 4.00               | 3.97                | 107           | 106            | 70.0-130         |               |                | 0.753    | 25              |
| 1,2-Dibromoethane              | 3.75                 | 3.96               | 3.96                | 106           | 106            | 70.0-130         |               |                | 0.000    | 25              |
| Chlorobenzene                  | 3.75                 | 3.92               | 3.89                | 105           | 104            | 70.0-130         |               |                | 0.768    | 25              |
| Ethylbenzene                   | 3.75                 | 3.98               | 3.99                | 106           | 106            | 70.0-130         |               |                | 0.251    | 25              |
| m&p-Xylene                     | 7.50                 | 7.97               | 7.94                | 106           | 106            | 70.0-130         |               |                | 0.377    | 25              |
| o-Xylene                       | 3.75                 | 3.99               | 3.95                | 106           | 105            | 70.0-130         |               |                | 1.01     | 25              |
| Styrene                        | 3.75                 | 4.00               | 3.98                | 107           | 106            | 70.0-130         |               |                | 0.501    | 25              |
| Bromoform                      | 3.75                 | 3.98               | 3.93                | 106           | 105            | 70.0-130         |               |                | 1.26     | 25              |
| 1,1,2,2-Tetrachloroethane      | 3.75                 | 4.00               | 4.03                | 107           | 107            | 70.0-130         |               |                | 0.747    | 25              |
| 4-Ethyltoluene                 | 3.75                 | 3.98               | 3.95                | 106           | 105            | 70.0-130         |               |                | 0.757    | 25              |
| 1,3,5-Trimethylbenzene         | 3.75                 | 4.03               | 3.95                | 107           | 105            | 70.0-130         |               |                | 2.01     | 25              |
| 1,2,4-Trimethylbenzene         | 3.75                 | 3.99               | 3.94                | 106           | 105            | 70.0-130         |               |                | 1.26     | 25              |
| 1,3-Dichlorobenzene            | 3.75                 | 3.93               | 3.87                | 105           | 103            | 70.0-130         |               |                | 1.54     | 25              |
| 1,4-Dichlorobenzene            | 3.75                 | 3.95               | 3.87                | 105           | 103            | 70.0-130         |               |                | 2.05     | 25              |

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 [L1433989-01](#)

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

(LCS) R3732906-1 11/23/21 08:56 • (LCSD) R3732906-2 11/23/21 09:36

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Benzyl Chloride            | 3.75                 | 4.14               | 4.12                | 110           | 110            | 70.0-152         |                      |                       | 0.484    | 25              |
| 1,2-Dichlorobenzene        | 3.75                 | 3.89               | 3.83                | 104           | 102            | 70.0-130         |                      |                       | 1.55     | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 3.85               | 3.85                | 103           | 103            | 70.0-160         |                      |                       | 0.000    | 25              |
| Hexachloro-1,3-butadiene   | 3.75                 | 3.78               | 3.71                | 101           | 98.9           | 70.0-151         |                      |                       | 1.87     | 25              |
| Naphthalene                | 3.75                 | 4.15               | 4.16                | 111           | 111            | 70.0-159         |                      |                       | 0.241    | 25              |
| Allyl Chloride             | 3.75                 | 4.28               | 4.28                | 114           | 114            | 70.0-130         |                      |                       | 0.000    | 25              |
| 2-Chlorotoluene            | 3.75                 | 3.99               | 3.97                | 106           | 106            | 70.0-130         |                      |                       | 0.503    | 25              |
| Methyl Methacrylate        | 3.75                 | 4.07               | 4.07                | 109           | 109            | 70.0-130         |                      |                       | 0.000    | 25              |
| Tetrahydrofuran            | 3.75                 | 4.22               | 4.21                | 113           | 112            | 70.0-137         |                      |                       | 0.237    | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 4.12               | 4.08                | 110           | 109            | 70.0-130         |                      |                       | 0.976    | 25              |
| Vinyl Bromide              | 3.75                 | 4.10               | 4.11                | 109           | 110            | 70.0-130         |                      |                       | 0.244    | 25              |
| Isopropylbenzene           | 3.75                 | 3.99               | 3.95                | 106           | 105            | 70.0-130         |                      |                       | 1.01     | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 101           | 102            | 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) R3733581-3 11/24/21 10:26

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | ppbv      |              | ppbv   | ppbv     |
| Acetone                    | U         |              | 0.584  | 1.25     |
| Cyclohexane                | U         |              | 0.0753 | 0.200    |
| Heptane                    | U         |              | 0.104  | 0.200    |
| 2-Propanol                 | U         |              | 0.264  | 1.25     |
| TPH (GC/MS) Low Fraction   | U         |              | 39.7   | 200      |
| (S) 1,4-Bromofluorobenzene | 96.3      |              |        | 60.0-140 |

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

(LCS) R3733581-1 11/24/21 09:04 • (LCSD) R3733581-2 11/24/21 09:45

| Analyte                    | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
|                            | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %     | %          |
| Acetone                    | 3.75         | 4.20       | 4.21        | 112      | 112       | 70.0-130    |               |                | 0.238 | 25         |
| 2-Propanol                 | 3.75         | 4.20       | 4.22        | 112      | 113       | 70.0-139    |               |                | 0.475 | 25         |
| Cyclohexane                | 3.75         | 4.17       | 4.20        | 111      | 112       | 70.0-130    |               |                | 0.717 | 25         |
| Heptane                    | 3.75         | 4.06       | 3.94        | 108      | 105       | 70.0-130    |               |                | 3.00  | 25         |
| TPH (GC/MS) Low Fraction   | 203          | 228        | 227         | 112      | 112       | 70.0-130    |               |                | 0.440 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 98.7     | 98.6      | 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) R3733991-3 11/25/21 07:46

|                            | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL   |
|----------------------------|-----------|---------------------|--------|----------|
| Analyte                    | ppbv      |                     | ppbv   | ppbv     |
| n-Hexane                   | U         |                     | 0.206  | 0.630    |
| (S) 1,4-Bromofluorobenzene | 93.2      |                     |        | 60.0-140 |

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

(LCS) R3733991-1 11/25/21 06:23 • (LCSD) R3733991-2 11/25/21 07:06

|                            | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD  | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|----------------------|-----------------------|------|------------|
| Analyte                    | ppbv         | ppbv       | ppbv        | %        | %         | %           |                      |                       | %    | %          |
| n-Hexane                   | 3.75         | 3.95       | 4.01        | 105      | 107       | 70.0-130    |                      |                       | 1.51 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 96.8     | 95.2      | 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

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

1

Cp

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Tc

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Ss

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Cn

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Tr

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Sr

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Qc

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Gl

9

Al

10

Sc

## 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







## ANALYTICAL REPORT

November 29, 2021

**Ensolum, LLC**

Sample Delivery Group: L1434606  
Samples Received: 11/23/2021  
Project Number: 03B117001  
Description: Levey Well  
Site: 03B1417001  
Report To: Beaux Jennings  
705 W. Wadley Ave, Ste 210  
Midland, TX 79705

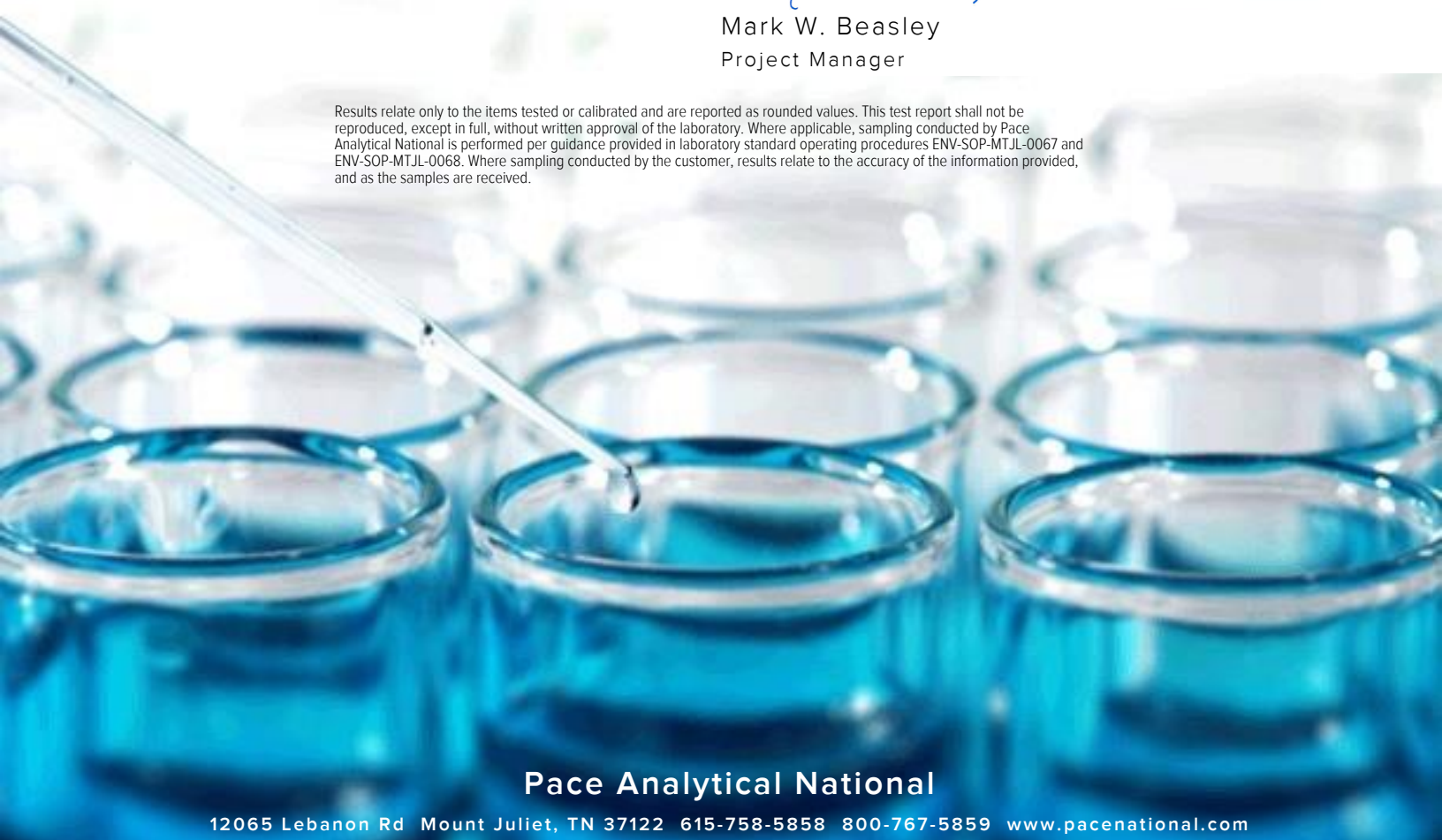


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "M. Beasley".

Mark W. Beasley  
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**

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|                                                 |    |                  |
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LEVEY WELL L1434606-01 Air

Collected by  
Shane Diller

Collected date/time  
11/22/21 08:56

Received date/time  
11/23/21 09:30

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG1779690 | 80       | 11/24/21 19:56        | 11/24/21 19:56     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1780228 | 5000     | 11/25/21 16:17        | 11/25/21 16:17     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1780397 | 20000    | 11/26/21 12:22        | 11/26/21 12:22     | FKG     | Mt. Juliet, TN |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

LEVEY WELL L1434606-02 Air

Collected by  
Shane Diller

Collected date/time  
11/22/21 10:29

Received date/time  
11/23/21 09:30

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG1779690 | 20       | 11/24/21 20:37        | 11/24/21 20:37     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1780228 | 500      | 11/25/21 16:57        | 11/25/21 16:57     | DAH     | Mt. Juliet, TN |

<sup>4</sup>Cn

<sup>5</sup>Tr

<sup>6</sup>Sr

LEVEY WELL L1434606-03 Air

Collected by  
Shane Diller

Collected date/time  
11/22/21 10:53

Received date/time  
11/23/21 09:30

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG1779690 | 10       | 11/24/21 21:18        | 11/24/21 21:18     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1780228 | 100      | 11/25/21 17:37        | 11/25/21 17:37     | DAH     | Mt. Juliet, TN |

<sup>7</sup>Qc

<sup>8</sup>Gl

<sup>9</sup>Al

LEVEY WELL L1434606-04 Air

Collected by  
Shane Diller

Collected date/time  
11/22/21 12:05

Received date/time  
11/23/21 09:30

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG1779690 | 20       | 11/24/21 21:59        | 11/24/21 21:59     | DAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1780228 | 500      | 11/25/21 18:18        | 11/25/21 18:18     | DAH     | Mt. Juliet, TN |

<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.



Mark W. Beasley  
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

## Laboratory Data Package Cover Page

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.



Mark W. Beasley  
Project Manager

# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |    | LRC Date: 11/29/2021 14:47                                                                                                                                               |     |    |                 |                 |                  |
|-------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |    | Laboratory Job Number: L1434606-01, 02, 03 and 04                                                                                                                        |     |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley            |    | Prep Batch Number(s): WG1779690, WG1780228 and WG1780397                                                                                                                 |     |    |                 |                 |                  |
| #1                                        | A2 | 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: 11/29/2021 14:47                               |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                        | Laboratory Job Number: L1434606-01, 02, 03 and 04        |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                                                                                                        | Prep Batch Number(s): WG1779690, WG1780228 and WG1780397 |    |                 |                 |                  |
| # <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: 11/29/2021 14:47                               |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    | Laboratory Job Number: L1434606-01, 02, 03 and 04        |  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    | Prep Batch Number(s): WG1779690, WG1780228 and WG1780397 |  |
| <b>ER #<sup>1</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Description</b> |                                                          |  |
| The Exception Report intentionally left blank, there are no exceptions applied to this SDG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                                                          |  |
| <small>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.<br/>2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);<br/>3. NA = Not applicable;<br/>4. NR = Not reviewed;<br/>5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</small> |                    |                                                          |  |

Collected date/time: 11/22/21 08:56

L1434606

## 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    | 100          | 238           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 16.0         | 50.1          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Benzene                        | 71-43-2    | 78.10    | 16.0         | 51.1          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 16.0         | 83.1          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 16.0         | 107           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Bromoform                      | 75-25-2    | 253      | 48.0         | 497           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 16.0         | 62.1          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 160          | 354           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 16.0         | 49.8          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 16.0         | 101           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 16.0         | 42.2          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Chloroform                     | 67-66-3    | 119      | 16.0         | 77.9          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 16.0         | 33.0          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 16.0         | 82.5          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 1000         | 3440          | 75500          | 260000          |           | 5000     | <a href="#">WG1780228</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 16.0         | 136           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 16.0         | 123           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 16.0         | 64.8          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 16.0         | 64.1          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 16.0         | 73.9          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 16.0         | 72.6          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Ethanol                        | 64-17-5    | 46.10    | 100          | 189           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 16.0         | 69.4          | 66.6           | 289             |           | 80       | <a href="#">WG1779690</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 16.0         | 78.5          | 116            | 569             |           | 80       | <a href="#">WG1779690</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 16.0         | 89.9          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 16.0         | 79.1          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 16.0         | 123           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 16.0         | 112           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Heptane                        | 142-82-5   | 100      | 1000         | 4090          | 56800          | 232000          |           | 5000     | <a href="#">WG1780228</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 50.4         | 538           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 12600        | 44400         | 479000         | 1690000         |           | 20000    | <a href="#">WG1780397</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 16.0         | 78.7          | 52.6           | 259             |           | 80       | <a href="#">WG1779690</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 16.0         | 55.6          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 100          | 409           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 100          | 295           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 100          | 409           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 16.0         | 65.5          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| MTBE                           | 1634-04-4  | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Naphthalene                    | 91-20-3    | 128      | 50.4         | 264           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 6250         | 15400         | 119000         | 293000          |           | 5000     | <a href="#">WG1780228</a> |
| Propene                        | 115-07-1   | 42.10    | 100          | 172           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Styrene                        | 100-42-5   | 104      | 16.0         | 68.1          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 16.0         | 110           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 16.0         | 109           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 16.0         | 47.2          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Toluene                        | 108-88-3   | 92.10    | 40.0         | 151           | 135            | 509             |           | 80       | <a href="#">WG1779690</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 50.4         | 373           | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 11/22/21 08:56

L1434606

## 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      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Trichloroethylene          | 79-01-6   | 131      | 16.0         | 85.7          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 16.0         | 78.5          | 97.1           | 477             |           | 80       | <a href="#">WG1779690</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 16.0         | 78.5          | 49.4           | 242             |           | 80       | <a href="#">WG1779690</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 16.0         | 74.7          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 16.0         | 40.9          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 16.0         | 70.0          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 16.0         | 56.3          | ND             | ND              |           | 80       | <a href="#">WG1779690</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 32.0         | 139           | 211            | 915             |           | 80       | <a href="#">WG1779690</a> |
| o-Xylene                   | 95-47-6   | 106      | 16.0         | 69.4          | 70.4           | 305             |           | 80       | <a href="#">WG1779690</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 1000000      | 4130000       | 2430000        | 10000000        |           | 5000     | <a href="#">WG1780228</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 100            |                 |           |          | <a href="#">WG1779690</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 97.4           |                 |           |          | <a href="#">WG1780228</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 86.7           |                 |           |          | <a href="#">WG1780397</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: 11/22/21 10:29

L1434606

## 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    | 25.0         | 59.4          | 728            | 1730            |           | 20       | <a href="#">WG1779690</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 4.00         | 12.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Benzene                        | 71-43-2    | 78.10    | 4.00         | 12.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 4.00         | 20.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 4.00         | 26.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Bromoform                      | 75-25-2    | 253      | 12.0         | 124           | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 4.00         | 15.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 40.0         | 88.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 4.00         | 12.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 4.00         | 25.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 4.00         | 18.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 4.00         | 10.6          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Chloroform                     | 67-66-3    | 119      | 4.00         | 19.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 4.00         | 8.26          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 4.00         | 20.6          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 100          | 344           | 4890           | 16800           |           | 500      | <a href="#">WG1780228</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 4.00         | 34.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 4.00         | 30.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 4.00         | 24.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 4.00         | 24.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 4.00         | 24.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 4.00         | 16.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 4.00         | 16.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 4.00         | 15.9          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 4.00         | 15.9          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 4.00         | 15.9          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 4.00         | 18.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 4.00         | 18.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 4.00         | 18.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 4.00         | 14.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Ethanol                        | 64-17-5    | 46.10    | 25.0         | 47.1          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 4.00         | 17.3          | 12.7           | 55.1            |           | 20       | <a href="#">WG1779690</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 4.00         | 19.6          | 29.6           | 145             |           | 20       | <a href="#">WG1779690</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 4.00         | 22.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 4.00         | 19.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 4.00         | 30.7          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 4.00         | 28.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Heptane                        | 142-82-5   | 100      | 100          | 409           | 7010           | 28700           |           | 500      | <a href="#">WG1780228</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 12.6         | 135           | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 315          | 1110          | 26900          | 94800           |           | 500      | <a href="#">WG1780228</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 4.00         | 19.7          | 12.2           | 60.0            |           | 20       | <a href="#">WG1779690</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 4.00         | 13.9          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 25.0         | 102           | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 25.0         | 73.7          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 25.0         | 102           | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 4.00         | 16.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| MTBE                           | 1634-04-4  | 88.10    | 4.00         | 14.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Naphthalene                    | 91-20-3    | 128      | 12.6         | 66.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 625          | 1540          | 9920           | 24400           |           | 500      | <a href="#">WG1780228</a> |
| Propene                        | 115-07-1   | 42.10    | 25.0         | 43.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Styrene                        | 100-42-5   | 104      | 4.00         | 17.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 4.00         | 27.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 4.00         | 27.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 4.00         | 11.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Toluene                        | 108-88-3   | 92.10    | 10.0         | 37.7          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 12.6         | 93.3          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 11/22/21 10:29

L1434606

## 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      | 4.00         | 21.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 4.00         | 21.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Trichloroethylene          | 79-01-6   | 131      | 4.00         | 21.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 4.00         | 19.6          | 27.2           | 133             |           | 20       | <a href="#">WG1779690</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 4.00         | 19.6          | 13.7           | 67.2            |           | 20       | <a href="#">WG1779690</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 4.00         | 18.7          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 4.00         | 10.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 4.00         | 17.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 4.00         | 14.1          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 8.00         | 34.7          | 44.4           | 192             |           | 20       | <a href="#">WG1779690</a> |
| o-Xylene                   | 95-47-6   | 106      | 4.00         | 17.3          | 15.4           | 66.8            |           | 20       | <a href="#">WG1779690</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 4000         | 16500         | 68700          | 284000          |           | 20       | <a href="#">WG1779690</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 98.8           |                 |           |          | <a href="#">WG1779690</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 98.2           |                 |           |          | <a href="#">WG1780228</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: 11/22/21 10:53

L1434606

## 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    | 12.5         | 29.7          | 406            | 965             |           | 10       | <a href="#">WG1779690</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 2.00         | 6.26          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Benzene                        | 71-43-2    | 78.10    | 2.00         | 6.39          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 2.00         | 10.4          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 2.00         | 13.4          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Bromoform                      | 75-25-2    | 253      | 6.00         | 62.1          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 2.00         | 7.76          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 20.0         | 44.3          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 2.00         | 6.22          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 2.00         | 12.6          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 2.00         | 9.24          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 2.00         | 5.28          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Chloroform                     | 67-66-3    | 119      | 2.00         | 9.73          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 2.00         | 4.13          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 2.00         | 10.3          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 2.00         | 6.89          | 321            | 1110            |           | 10       | <a href="#">WG1779690</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 2.00         | 17.0          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 2.00         | 15.4          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 2.00         | 12.0          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 2.00         | 12.0          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 2.00         | 12.0          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 2.00         | 8.10          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 2.00         | 8.02          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 2.00         | 7.93          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 2.00         | 7.93          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 2.00         | 7.93          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 2.00         | 9.24          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 2.00         | 9.08          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 2.00         | 9.08          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 2.00         | 7.21          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Ethanol                        | 64-17-5    | 46.10    | 12.5         | 23.6          | 30.1           | 56.8            |           | 10       | <a href="#">WG1779690</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 2.00         | 8.67          | 5.35           | 23.2            |           | 10       | <a href="#">WG1779690</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 2.00         | 9.82          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 2.00         | 11.2          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 2.00         | 9.89          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 2.00         | 15.3          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 2.00         | 14.0          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Heptane                        | 142-82-5   | 100      | 2.00         | 8.18          | 436            | 1780            |           | 10       | <a href="#">WG1779690</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 6.30         | 67.3          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 63.0         | 222           | 1800           | 6350            |           | 100      | <a href="#">WG1780228</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 2.00         | 9.83          | 7.40           | 36.4            |           | 10       | <a href="#">WG1779690</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 2.00         | 6.94          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 12.5         | 51.1          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 12.5         | 36.9          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 12.5         | 51.2          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 2.00         | 8.19          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| MTBE                           | 1634-04-4  | 88.10    | 2.00         | 7.21          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Naphthalene                    | 91-20-3    | 128      | 6.30         | 33.0          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 12.5         | 30.7          | 823            | 2020            |           | 10       | <a href="#">WG1779690</a> |
| Propene                        | 115-07-1   | 42.10    | 12.5         | 21.5          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Styrene                        | 100-42-5   | 104      | 2.00         | 8.51          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 2.00         | 13.7          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 2.00         | 13.6          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 2.00         | 5.90          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Toluene                        | 108-88-3   | 92.10    | 5.00         | 18.8          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 6.30         | 46.6          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 11/22/21 10:53

L1434606

## 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      | 2.00         | 10.9          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 2.00         | 10.9          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Trichloroethylene          | 79-01-6   | 131      | 2.00         | 10.7          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 2.00         | 9.82          | 31.2           | 153             |           | 10       | <a href="#">WG1779690</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 2.00         | 9.82          | 13.1           | 64.3            |           | 10       | <a href="#">WG1779690</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 2.00         | 9.34          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 2.00         | 5.11          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 2.00         | 8.75          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 2.00         | 7.04          | ND             | ND              |           | 10       | <a href="#">WG1779690</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 4.00         | 17.3          | 21.2           | 91.9            |           | 10       | <a href="#">WG1779690</a> |
| o-Xylene                   | 95-47-6   | 106      | 2.00         | 8.67          | 8.12           | 35.2            |           | 10       | <a href="#">WG1779690</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 2000         | 8260          | 12700          | 52500           |           | 10       | <a href="#">WG1779690</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 99.5           |                 |           |          | <a href="#">WG1779690</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 97.3           |                 |           |          | <a href="#">WG1780228</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: 11/22/21 12:05

L1434606

## 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    | 25.0         | 59.4          | 1470           | 3490            |           | 20       | <a href="#">WG1779690</a> |
| Allyl chloride                 | 107-05-1   | 76.53    | 4.00         | 12.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Benzene                        | 71-43-2    | 78.10    | 4.00         | 12.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Benzyl Chloride                | 100-44-7   | 127      | 4.00         | 20.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Bromodichloromethane           | 75-27-4    | 164      | 4.00         | 26.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Bromoform                      | 75-25-2    | 253      | 12.0         | 124           | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Bromomethane                   | 74-83-9    | 94.90    | 4.00         | 15.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 40.0         | 88.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Carbon disulfide               | 75-15-0    | 76.10    | 4.00         | 12.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Carbon tetrachloride           | 56-23-5    | 154      | 4.00         | 25.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Chlorobenzene                  | 108-90-7   | 113      | 4.00         | 18.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Chloroethane                   | 75-00-3    | 64.50    | 4.00         | 10.6          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Chloroform                     | 67-66-3    | 119      | 4.00         | 19.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Chloromethane                  | 74-87-3    | 50.50    | 4.00         | 8.26          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 2-Chlorotoluene                | 95-49-8    | 126      | 4.00         | 20.6          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Cyclohexane                    | 110-82-7   | 84.20    | 4.00         | 13.8          | 1540           | 5300            |           | 20       | <a href="#">WG1779690</a> |
| Dibromochloromethane           | 124-48-1   | 208      | 4.00         | 34.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 4.00         | 30.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 4.00         | 24.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 4.00         | 24.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 4.00         | 24.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 4.00         | 16.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 4.00         | 16.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 4.00         | 15.9          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 4.00         | 15.9          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 4.00         | 15.9          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 4.00         | 18.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 4.00         | 18.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 4.00         | 18.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 4.00         | 14.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Ethanol                        | 64-17-5    | 46.10    | 25.0         | 47.1          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Ethylbenzene                   | 100-41-4   | 106      | 4.00         | 17.3          | 17.2           | 74.6            |           | 20       | <a href="#">WG1779690</a> |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 4.00         | 19.6          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 4.00         | 22.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 4.00         | 19.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 4.00         | 30.7          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 4.00         | 28.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Heptane                        | 142-82-5   | 100      | 4.00         | 16.4          | 2000           | 8180            |           | 20       | <a href="#">WG1779690</a> |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 12.6         | 135           | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| n-Hexane                       | 110-54-3   | 86.20    | 315          | 1110          | 5070           | 17900           |           | 500      | <a href="#">WG1780228</a> |
| Isopropylbenzene               | 98-82-8    | 120.20   | 4.00         | 19.7          | 19.0           | 93.4            |           | 20       | <a href="#">WG1779690</a> |
| Methylene Chloride             | 75-09-2    | 84.90    | 4.00         | 13.9          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 25.0         | 102           | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 25.0         | 73.7          | 45.3           | 134             |           | 20       | <a href="#">WG1779690</a> |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 25.0         | 102           | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Methyl methacrylate            | 80-62-6    | 100.12   | 4.00         | 16.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| MTBE                           | 1634-04-4  | 88.10    | 4.00         | 14.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Naphthalene                    | 91-20-3    | 128      | 12.6         | 66.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 2-Propanol                     | 67-63-0    | 60.10    | 625          | 1540          | 26500          | 65100           |           | 500      | <a href="#">WG1780228</a> |
| Propene                        | 115-07-1   | 42.10    | 25.0         | 43.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Styrene                        | 100-42-5   | 104      | 4.00         | 17.0          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 4.00         | 27.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Tetrachloroethylene            | 127-18-4   | 166      | 4.00         | 27.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 4.00         | 11.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Toluene                        | 108-88-3   | 92.10    | 10.0         | 37.7          | 16.7           | 62.9            |           | 20       | <a href="#">WG1779690</a> |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 12.6         | 93.3          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |





Collected date/time: 11/22/21 12:05

L1434606

## 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      | 4.00         | 21.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 4.00         | 21.8          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Trichloroethylene          | 79-01-6   | 131      | 4.00         | 21.4          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 4.00         | 19.6          | 71.3           | 350             |           | 20       | <a href="#">WG1779690</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 4.00         | 19.6          | 32.4           | 159             |           | 20       | <a href="#">WG1779690</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 4.00         | 18.7          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 4.00         | 10.2          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 4.00         | 17.5          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 4.00         | 14.1          | ND             | ND              |           | 20       | <a href="#">WG1779690</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 8.00         | 34.7          | 61.6           | 267             |           | 20       | <a href="#">WG1779690</a> |
| o-Xylene                   | 95-47-6   | 106      | 4.00         | 17.3          | 22.9           | 99.3            |           | 20       | <a href="#">WG1779690</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 4000         | 16500         | 53700          | 222000          |           | 20       | <a href="#">WG1779690</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 101            |                 |           |          | <a href="#">WG1779690</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 96.2           |                 |           |          | <a href="#">WG1780228</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) R3733545-3 11/24/21 09:46

| 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          |
| 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          |
| Methylene Chloride             | U                 |              | 0.0979         | 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

L1434606-01,02,03,04

Method Blank (MB)

(MB) R3733545-3 11/24/21 09:46

| Analyte                     | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|-----------------------------|-------------------|--------------|----------------|----------------|
| 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                     | 0.209             | 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          |
| Ethanol                     | U                 |              | 0.265          | 1.25           |
| TPH (GC/MS) Low Fraction    | U                 |              | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene  | 94.5              |              |                | 60.0-140       |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R3733545-1 11/24/21 08:23 • (LCSD) R3733545-2 11/24/21 09:05

| 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>% |
|-------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethanol                       | 3.75                 | 3.67               | 3.56                | 97.9          | 94.9           | 55.0-148         |               |                | 3.04     | 25              |
| Propene                       | 3.75                 | 3.90               | 3.97                | 104           | 106            | 64.0-144         |               |                | 1.78     | 25              |
| Dichlorodifluoromethane       | 3.75                 | 3.93               | 3.91                | 105           | 104            | 64.0-139         |               |                | 0.510    | 25              |
| 1,2-Dichlorotetrafluoroethane | 3.75                 | 4.35               | 4.32                | 116           | 115            | 70.0-130         |               |                | 0.692    | 25              |
| Chloromethane                 | 3.75                 | 3.83               | 3.79                | 102           | 101            | 70.0-130         |               |                | 1.05     | 25              |

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

(LCS) R3733545-1 11/24/21 08:23 • (LCSD) R3733545-2 11/24/21 09:05

| 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>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Vinyl chloride                 | 3.75                 | 4.10               | 4.10                | 109           | 109            | 70.0-130         |               |                | 0.000    | 25              |
| 1,3-Butadiene                  | 3.75                 | 3.67               | 3.75                | 97.9          | 100            | 70.0-130         |               |                | 2.16     | 25              |
| Bromomethane                   | 3.75                 | 3.98               | 4.04                | 106           | 108            | 70.0-130         |               |                | 1.50     | 25              |
| Chloroethane                   | 3.75                 | 3.84               | 3.74                | 102           | 99.7           | 70.0-130         |               |                | 2.64     | 25              |
| Trichlorofluoromethane         | 3.75                 | 4.41               | 4.35                | 118           | 116            | 70.0-130         |               |                | 1.37     | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 4.36               | 4.30                | 116           | 115            | 70.0-130         |               |                | 1.39     | 25              |
| 1,1-Dichloroethene             | 3.75                 | 4.10               | 4.14                | 109           | 110            | 70.0-130         |               |                | 0.971    | 25              |
| 1,1-Dichloroethane             | 3.75                 | 4.12               | 4.03                | 110           | 107            | 70.0-130         |               |                | 2.21     | 25              |
| Acetone                        | 3.75                 | 3.83               | 3.83                | 102           | 102            | 70.0-130         |               |                | 0.000    | 25              |
| 2-Propanol                     | 3.75                 | 3.81               | 3.79                | 102           | 101            | 70.0-139         |               |                | 0.526    | 25              |
| Carbon disulfide               | 3.75                 | 4.55               | 4.04                | 121           | 108            | 70.0-130         |               |                | 11.9     | 25              |
| Methylene Chloride             | 3.75                 | 3.91               | 3.90                | 104           | 104            | 70.0-130         |               |                | 0.256    | 25              |
| MTBE                           | 3.75                 | 4.16               | 4.07                | 111           | 109            | 70.0-130         |               |                | 2.19     | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 4.17               | 4.07                | 111           | 109            | 70.0-130         |               |                | 2.43     | 25              |
| Vinyl acetate                  | 3.75                 | 3.56               | 3.64                | 94.9          | 97.1           | 70.0-130         |               |                | 2.22     | 25              |
| Methyl Ethyl Ketone            | 3.75                 | 4.16               | 4.15                | 111           | 111            | 70.0-130         |               |                | 0.241    | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 4.11               | 4.05                | 110           | 108            | 70.0-130         |               |                | 1.47     | 25              |
| Chloroform                     | 3.75                 | 4.13               | 4.12                | 110           | 110            | 70.0-130         |               |                | 0.242    | 25              |
| Cyclohexane                    | 3.75                 | 4.03               | 4.02                | 107           | 107            | 70.0-130         |               |                | 0.248    | 25              |
| 1,1,1-Trichloroethane          | 3.75                 | 4.19               | 4.19                | 112           | 112            | 70.0-130         |               |                | 0.000    | 25              |
| Carbon tetrachloride           | 3.75                 | 4.11               | 4.11                | 110           | 110            | 70.0-130         |               |                | 0.000    | 25              |
| Benzene                        | 3.75                 | 4.22               | 4.23                | 113           | 113            | 70.0-130         |               |                | 0.237    | 25              |
| 1,2-Dichloroethane             | 3.75                 | 4.14               | 4.09                | 110           | 109            | 70.0-130         |               |                | 1.22     | 25              |
| Heptane                        | 3.75                 | 3.48               | 3.39                | 92.8          | 90.4           | 70.0-130         |               |                | 2.62     | 25              |
| Trichloroethylene              | 3.75                 | 4.24               | 4.22                | 113           | 113            | 70.0-130         |               |                | 0.473    | 25              |
| 1,2-Dichloropropane            | 3.75                 | 4.00               | 3.92                | 107           | 105            | 70.0-130         |               |                | 2.02     | 25              |
| 1,4-Dioxane                    | 3.75                 | 4.04               | 3.92                | 108           | 105            | 70.0-140         |               |                | 3.02     | 25              |
| Bromodichloromethane           | 3.75                 | 4.07               | 4.00                | 109           | 107            | 70.0-130         |               |                | 1.73     | 25              |
| cis-1,3-Dichloropropene        | 3.75                 | 4.08               | 4.02                | 109           | 107            | 70.0-130         |               |                | 1.48     | 25              |
| 4-Methyl-2-pentanone (MIBK)    | 3.75                 | 3.91               | 3.83                | 104           | 102            | 70.0-139         |               |                | 2.07     | 25              |
| Toluene                        | 3.75                 | 4.33               | 4.28                | 115           | 114            | 70.0-130         |               |                | 1.16     | 25              |
| trans-1,3-Dichloropropene      | 3.75                 | 4.09               | 3.98                | 109           | 106            | 70.0-130         |               |                | 2.73     | 25              |
| 1,1,2-Trichloroethane          | 3.75                 | 4.15               | 4.12                | 111           | 110            | 70.0-130         |               |                | 0.726    | 25              |
| Tetrachloroethylene            | 3.75                 | 4.56               | 4.47                | 122           | 119            | 70.0-130         |               |                | 1.99     | 25              |
| Methyl Butyl Ketone            | 3.75                 | 3.80               | 3.79                | 101           | 101            | 70.0-149         |               |                | 0.264    | 25              |
| Dibromochloromethane           | 3.75                 | 4.29               | 4.19                | 114           | 112            | 70.0-130         |               |                | 2.36     | 25              |
| 1,2-Dibromoethane              | 3.75                 | 4.36               | 4.28                | 116           | 114            | 70.0-130         |               |                | 1.85     | 25              |
| Chlorobenzene                  | 3.75                 | 4.35               | 4.26                | 116           | 114            | 70.0-130         |               |                | 2.09     | 25              |
| Ethylbenzene                   | 3.75                 | 4.19               | 4.13                | 112           | 110            | 70.0-130         |               |                | 1.44     | 25              |
| m&p-Xylene                     | 7.50                 | 8.46               | 8.39                | 113           | 112            | 70.0-130         |               |                | 0.831    | 25              |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R3733545-1 11/24/21 08:23 • (LCSD) R3733545-2 11/24/21 09:05

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| o-Xylene                   | 3.75                 | 4.23               | 4.16                | 113           | 111            | 70.0-130         |               |                | 1.67     | 25              |
| Styrene                    | 3.75                 | 4.14               | 4.08                | 110           | 109            | 70.0-130         |               |                | 1.46     | 25              |
| Bromoform                  | 3.75                 | 4.37               | 4.31                | 117           | 115            | 70.0-130         |               |                | 1.38     | 25              |
| 1,1,2,2-Tetrachloroethane  | 3.75                 | 4.01               | 4.02                | 107           | 107            | 70.0-130         |               |                | 0.249    | 25              |
| 4-Ethyltoluene             | 3.75                 | 4.03               | 4.10                | 107           | 109            | 70.0-130         |               |                | 1.72     | 25              |
| 1,3,5-Trimethylbenzene     | 3.75                 | 4.07               | 4.08                | 109           | 109            | 70.0-130         |               |                | 0.245    | 25              |
| 1,2,4-Trimethylbenzene     | 3.75                 | 4.09               | 4.05                | 109           | 108            | 70.0-130         |               |                | 0.983    | 25              |
| 1,3-Dichlorobenzene        | 3.75                 | 4.19               | 4.19                | 112           | 112            | 70.0-130         |               |                | 0.000    | 25              |
| 1,4-Dichlorobenzene        | 3.75                 | 4.07               | 4.18                | 109           | 111            | 70.0-130         |               |                | 2.67     | 25              |
| Benzyl Chloride            | 3.75                 | 3.85               | 3.90                | 103           | 104            | 70.0-152         |               |                | 1.29     | 25              |
| 1,2-Dichlorobenzene        | 3.75                 | 4.09               | 4.13                | 109           | 110            | 70.0-130         |               |                | 0.973    | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 4.45               | 4.52                | 119           | 121            | 70.0-160         |               |                | 1.56     | 25              |
| Hexachloro-1,3-butadiene   | 3.75                 | 4.69               | 4.68                | 125           | 125            | 70.0-151         |               |                | 0.213    | 25              |
| Naphthalene                | 3.75                 | 4.38               | 4.46                | 117           | 119            | 70.0-159         |               |                | 1.81     | 25              |
| TPH (GC/MS) Low Fraction   | 203                  | 240                | 239                 | 118           | 118            | 70.0-130         |               |                | 0.418    | 25              |
| Allyl Chloride             | 3.75                 | 4.03               | 3.74                | 107           | 99.7           | 70.0-130         |               |                | 7.46     | 25              |
| 2-Chlorotoluene            | 3.75                 | 4.08               | 4.08                | 109           | 109            | 70.0-130         |               |                | 0.000    | 25              |
| Methyl Methacrylate        | 3.75                 | 4.15               | 4.05                | 111           | 108            | 70.0-130         |               |                | 2.44     | 25              |
| Tetrahydrofuran            | 3.75                 | 3.76               | 3.66                | 100           | 97.6           | 70.0-137         |               |                | 2.70     | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 3.97               | 4.00                | 106           | 107            | 70.0-130         |               |                | 0.753    | 25              |
| Vinyl Bromide              | 3.75                 | 4.26               | 4.20                | 114           | 112            | 70.0-130         |               |                | 1.42     | 25              |
| Isopropylbenzene           | 3.75                 | 4.09               | 4.06                | 109           | 108            | 70.0-130         |               |                | 0.736    | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 95.0          | 95.0           | 60.0-140         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R3733981-2 11/25/21 07:52

| Analyte                    | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|----------------------------|-------------------|--------------|----------------|----------------|
| Cyclohexane                | U                 |              | 0.0753         | 0.200          |
| Heptane                    | U                 |              | 0.104          | 0.200          |
| n-Hexane                   | U                 |              | 0.206          | 0.630          |
| 2-Propanol                 | U                 |              | 0.264          | 1.25           |
| TPH (GC/MS) Low Fraction   | U                 |              | 39.7           | 200            |
| (S) 1,4-Bromofluorobenzene | 95.2              |              |                | 60.0-140       |

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

(LCS) R3733981-1 11/25/21 07:10 • (LCSD) R3733981-3 11/25/21 09:02

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 2-Propanol                 | 3.75                 | 4.18               | 4.43                | 111           | 118            | 70.0-139         |               |                | 5.81     | 25              |
| n-Hexane                   | 3.75                 | 4.41               | 4.54                | 118           | 121            | 70.0-130         |               |                | 2.91     | 25              |
| Cyclohexane                | 3.75                 | 4.43               | 4.49                | 118           | 120            | 70.0-130         |               |                | 1.35     | 25              |
| Heptane                    | 3.75                 | 4.18               | 4.53                | 111           | 121            | 70.0-130         |               |                | 8.04     | 25              |
| TPH (GC/MS) Low Fraction   | 203                  | 249                | 235                 | 123           | 116            | 70.0-130         |               |                | 5.79     | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 96.6          | 97.8           | 60.0-140         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R3734377-2 11/26/21 05:44

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | ppbv      |              | ppbv   | ppbv     |
| n-Hexane                   | U         |              | 0.206  | 0.630    |
| (S) 1,4-Bromofluorobenzene | 90.2      |              |        | 60.0-140 |

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

(LCS) R3734377-1 11/26/21 05:16 • (LCSD) R3734377-3 11/26/21 07:04

| 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         | 3.25       | 3.44        | 86.7     | 91.7      | 70.0-130    |               |                | 5.68 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 97.2     | 97.8      | 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

JThe 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: 1/2/2024 3:42:27 PM





## ANALYTICAL REPORT

December 03, 2021

**Ensolum, LLC**

Sample Delivery Group: L1435916  
Samples Received: 11/30/2021  
Project Number: 03B1417001  
Description: Levey Well  
Site: 03B1417001  
Report To: Beaux Jennings  
705 W. Wadley Ave, Ste 210  
Midland, TX 79705

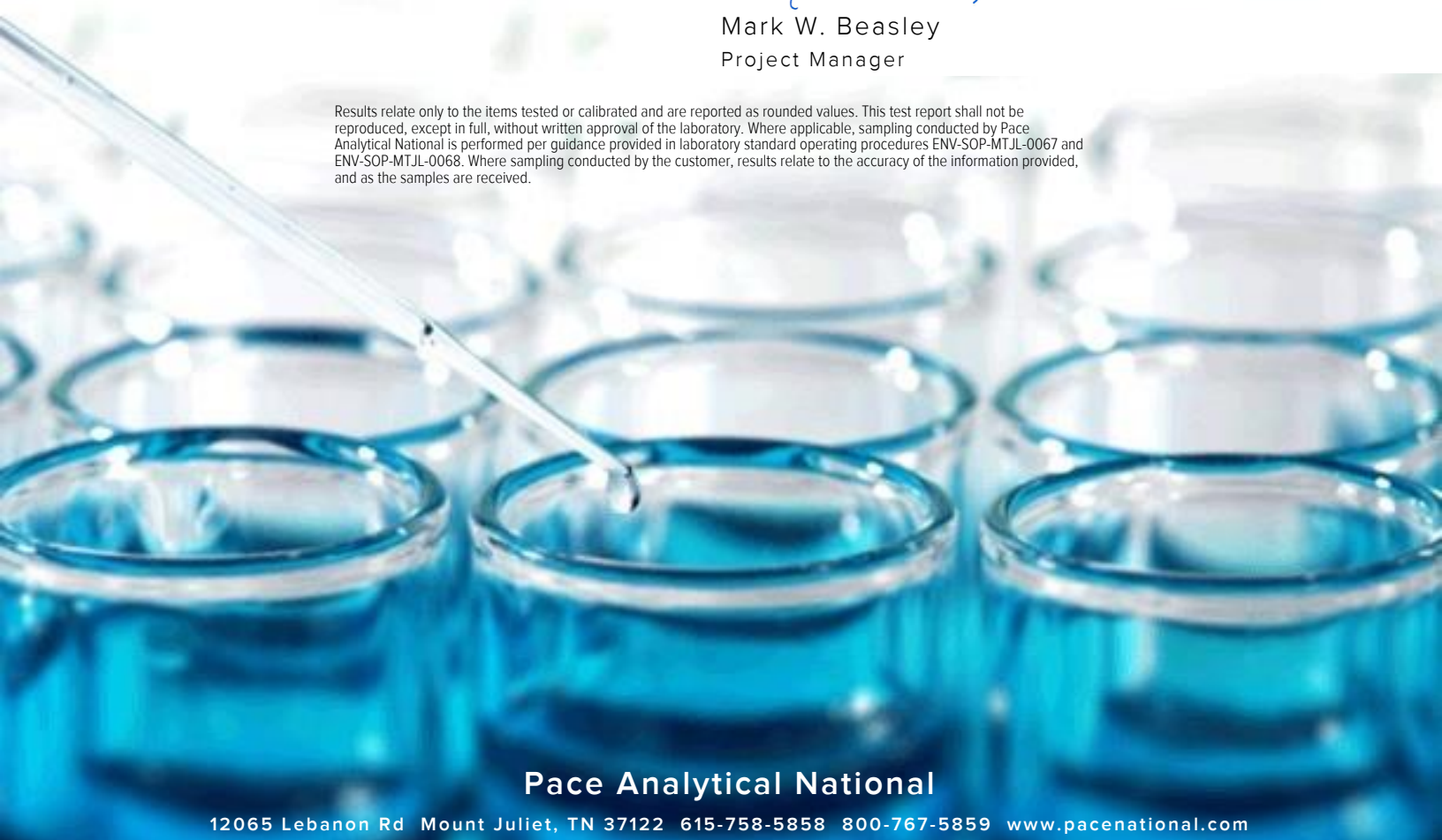


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "M. Beasley".

Mark W. Beasley  
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 L1435916-01                          | 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                           | 17 | <sup>8</sup> Gl  |
| Al: Accreditations & Locations                  | 18 |                  |
| Sc: Sample Chain of Custody                     | 19 | <sup>9</sup> Al  |
|                                                 |    | <sup>10</sup> Sc |

LEVEY WELL L1435916-01 Air

Collected by  
Aaron Marquez

Collected date/time  
11/24/21 10:48

Received date/time  
11/30/21 09:30

| Method                                          | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG1781664 | 80       | 11/30/21 22:19        | 11/30/21 22:19     | CAW     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1782297 | 1000     | 12/01/21 19:05        | 12/01/21 19:05     | FKG     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1783045 | 20000    | 12/02/21 11:47        | 12/02/21 11:47     | FKG     | 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.



Mark W. Beasley  
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

## Laboratory Data Package Cover Page

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.



Mark W. Beasley  
Project Manager

# Laboratory Review Checklist: Reportable Data

| Laboratory Name: Pace Analytical National |    | LRC Date: 12/03/2021 08:56                                                                                                                                               |     |    |                 |                 |                  |
|-------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                  |    | Laboratory Job Number: L1435916-01                                                                                                                                       |     |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley            |    | Prep Batch Number(s): WG1781664, WG1782297 and WG1783045                                                                                                                 |     |    |                 |                 |                  |
| #1                                        | A2 | 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: 12/03/2021 08:56                                                                             |     |    |                 |                 |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                | Laboratory Job Number: L1435916-01                                                                     |     |    |                 |                 |                  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | Prep Batch Number(s): WG1781664, WG1782297 and WG1783045                                               |     |    |                 |                 |                  |
| # <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: 12/03/2021 08:56                               |  |
| Project Name: Levey Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    | Laboratory Job Number: L1435916-01                       |  |
| Reviewer Name: Mark W. Beasley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    | Prep Batch Number(s): WG1781664, WG1782297 and WG1783045 |  |
| <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: 11/24/21 10:48

L1435916

## 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    | 1250         | 2970          | 17700          | 42100           |           | 1000     | WG1782297 |
| Allyl chloride                 | 107-05-1   | 76.53    | 16.0         | 50.1          | ND             | ND              |           | 80       | WG1781664 |
| Benzene                        | 71-43-2    | 78.10    | 200          | 639           | ND             | ND              |           | 1000     | WG1782297 |
| Benzyl Chloride                | 100-44-7   | 127      | 16.0         | 83.1          | ND             | ND              |           | 80       | WG1781664 |
| Bromodichloromethane           | 75-27-4    | 164      | 200          | 1340          | ND             | ND              |           | 1000     | WG1782297 |
| Bromoform                      | 75-25-2    | 253      | 48.0         | 497           | ND             | ND              |           | 80       | WG1781664 |
| Bromomethane                   | 74-83-9    | 94.90    | 16.0         | 62.1          | ND             | ND              |           | 80       | WG1781664 |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 160          | 354           | ND             | ND              |           | 80       | WG1781664 |
| Carbon disulfide               | 75-15-0    | 76.10    | 16.0         | 49.8          | ND             | ND              |           | 80       | WG1781664 |
| Carbon tetrachloride           | 56-23-5    | 154      | 16.0         | 101           | ND             | ND              |           | 80       | WG1781664 |
| Chlorobenzene                  | 108-90-7   | 113      | 200          | 924           | ND             | ND              |           | 1000     | WG1782297 |
| Chloroethane                   | 75-00-3    | 64.50    | 16.0         | 42.2          | ND             | ND              |           | 80       | WG1781664 |
| Chloroform                     | 67-66-3    | 119      | 16.0         | 77.9          | ND             | ND              |           | 80       | WG1781664 |
| Chloromethane                  | 74-87-3    | 50.50    | 16.0         | 33.0          | ND             | ND              |           | 80       | WG1781664 |
| 2-Chlorotoluene                | 95-49-8    | 126      | 16.0         | 82.5          | ND             | ND              |           | 80       | WG1781664 |
| Cyclohexane                    | 110-82-7   | 84.20    | 200          | 689           | 54400          | 187000          |           | 1000     | WG1782297 |
| Dibromochloromethane           | 124-48-1   | 208      | 200          | 1700          | ND             | ND              |           | 1000     | WG1782297 |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 200          | 1540          | ND             | ND              |           | 1000     | WG1782297 |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1781664 |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1781664 |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 16.0         | 96.2          | ND             | ND              |           | 80       | WG1781664 |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 200          | 810           | ND             | ND              |           | 1000     | WG1782297 |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 16.0         | 64.1          | ND             | ND              |           | 80       | WG1781664 |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1781664 |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1781664 |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 16.0         | 63.4          | ND             | ND              |           | 80       | WG1781664 |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 200          | 924           | ND             | ND              |           | 1000     | WG1782297 |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 200          | 908           | ND             | ND              |           | 1000     | WG1782297 |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 200          | 908           | ND             | ND              |           | 1000     | WG1782297 |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 200          | 721           | ND             | ND              |           | 1000     | WG1782297 |
| Ethanol                        | 64-17-5    | 46.10    | 100          | 189           | ND             | ND              |           | 80       | WG1781664 |
| Ethylbenzene                   | 100-41-4   | 106      | 16.0         | 69.4          | 41.8           | 181             |           | 80       | WG1781664 |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 16.0         | 78.5          | 86.2           | 423             |           | 80       | WG1781664 |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 16.0         | 89.9          | ND             | ND              |           | 80       | WG1781664 |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 16.0         | 79.1          | ND             | ND              |           | 80       | WG1781664 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 16.0         | 123           | ND             | ND              |           | 80       | WG1781664 |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 16.0         | 112           | ND             | ND              |           | 80       | WG1781664 |
| Heptane                        | 142-82-5   | 100      | 200          | 818           | 83300          | 341000          |           | 1000     | WG1782297 |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 50.4         | 538           | ND             | ND              |           | 80       | WG1781664 |
| n-Hexane                       | 110-54-3   | 86.20    | 12600        | 44400         | 534000         | 1880000         |           | 20000    | WG1783045 |
| Isopropylbenzene               | 98-82-8    | 120.20   | 16.0         | 78.7          | 40.1           | 197             |           | 80       | WG1781664 |
| Methylene Chloride             | 75-09-2    | 84.90    | 16.0         | 55.6          | ND             | ND              |           | 80       | WG1781664 |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 1250         | 5110          | ND             | ND              |           | 1000     | WG1782297 |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 100          | 295           | 1410           | 4160            |           | 80       | WG1781664 |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 1250         | 5120          | ND             | ND              |           | 1000     | WG1782297 |
| Methyl methacrylate            | 80-62-6    | 100.12   | 200          | 819           | 3260           | 13300           |           | 1000     | WG1782297 |
| MTBE                           | 1634-04-4  | 88.10    | 16.0         | 57.7          | ND             | ND              |           | 80       | WG1781664 |
| Naphthalene                    | 91-20-3    | 128      | 50.4         | 264           | ND             | ND              |           | 80       | WG1781664 |
| 2-Propanol                     | 67-63-0    | 60.10    | 1250         | 3070          | 46500          | 114000          |           | 1000     | WG1782297 |
| Propene                        | 115-07-1   | 42.10    | 100          | 172           | ND             | ND              |           | 80       | WG1781664 |
| Styrene                        | 100-42-5   | 104      | 16.0         | 68.1          | ND             | ND              |           | 80       | WG1781664 |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 16.0         | 110           | ND             | ND              |           | 80       | WG1781664 |
| Tetrachloroethylene            | 127-18-4   | 166      | 200          | 1360          | ND             | ND              |           | 1000     | WG1782297 |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 16.0         | 47.2          | ND             | ND              |           | 80       | WG1781664 |
| Toluene                        | 108-88-3   | 92.10    | 500          | 1880          | ND             | ND              |           | 1000     | WG1782297 |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 50.4         | 373           | ND             | ND              |           | 80       | WG1781664 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Collected date/time: 11/24/21 10:48

L1435916

## 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      | 16.0         | 87.0          | ND             | ND              |           | 80       | <a href="#">WG1781664</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 200          | 1090          | ND             | ND              |           | 1000     | <a href="#">WG1782297</a> |
| Trichloroethylene          | 79-01-6   | 131      | 200          | 1070          | ND             | ND              |           | 1000     | <a href="#">WG1782297</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 16.0         | 78.5          | 106            | 520             |           | 80       | <a href="#">WG1781664</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 16.0         | 78.5          | 132            | 648             |           | 80       | <a href="#">WG1781664</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 16.0         | 74.7          | ND             | ND              |           | 80       | <a href="#">WG1781664</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 16.0         | 40.9          | ND             | ND              |           | 80       | <a href="#">WG1781664</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 16.0         | 70.0          | ND             | ND              |           | 80       | <a href="#">WG1781664</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 16.0         | 56.3          | ND             | ND              |           | 80       | <a href="#">WG1781664</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 32.0         | 139           | 132            | 572             |           | 80       | <a href="#">WG1781664</a> |
| o-Xylene                   | 95-47-6   | 106      | 16.0         | 69.4          | 70.7           | 307             |           | 80       | <a href="#">WG1781664</a> |
| TPH (GC/MS) Low Fraction   | 8006-61-9 | 101      | 200000       | 826000        | 1850000        | 7640000         |           | 1000     | <a href="#">WG1782297</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 99.2           |                 |           |          | <a href="#">WG1781664</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 98.6           |                 |           |          | <a href="#">WG1782297</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 92.0           |                 |           |          | <a href="#">WG1783045</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) R3735362-3 11/30/21 10:31

| Analyte                        | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Allyl Chloride                 | U                 |              | 0.114          | 0.200          |
| Benzyl Chloride                | 0.0608            | U            | 0.0598         | 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          |
| 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          |
| 1,2-Dichlorobenzene            | U                 |              | 0.128          | 0.200          |
| 1,3-Dichlorobenzene            | U                 |              | 0.182          | 0.200          |
| 1,4-Dichlorobenzene            | U                 |              | 0.0557         | 0.200          |
| 1,1-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          |
| 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          |
| Hexachloro-1,3-butadiene       | U                 |              | 0.105          | 0.630          |
| Isopropylbenzene               | U                 |              | 0.0777         | 0.200          |
| Methylene Chloride             | U                 |              | 0.0979         | 0.200          |
| 2-Butanone (MEK)               | U                 |              | 0.0814         | 1.25           |
| MTBE                           | U                 |              | 0.0647         | 0.200          |
| Naphthalene                    | U                 |              | 0.350          | 0.630          |
| Propene                        | 0.135             | U            | 0.0932         | 1.25           |
| Styrene                        | U                 |              | 0.0788         | 0.200          |
| 1,1,2,2-Tetrachloroethane      | U                 |              | 0.0743         | 0.200          |
| Tetrahydrofuran                | U                 |              | 0.0734         | 0.200          |
| 1,2,4-Trichlorobenzene         | U                 |              | 0.148          | 0.630          |
| 1,1,1-Trichloroethane          | U                 |              | 0.0736         | 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          |

<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

L1435916-01

Method Blank (MB)

(MB) R3735362-3 11/30/21 10:31

| Analyte                    | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|----------------------------|-------------------|--------------|----------------|----------------|
| 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          |
| Ethanol                    | U                 |              | 0.265          | 1.25           |
| (S) 1,4-Bromofluorobenzene | 99.0              |              |                | 60.0-140       |

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

(LCS) R3735362-1 11/30/21 09:07 • (LCSD) R3735362-2 11/30/21 09:50

| 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>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethanol                        | 3.75                 | 4.22               | 4.18                | 113           | 111            | 55.0-148         |               |                | 0.952    | 25              |
| Propene                        | 3.75                 | 4.05               | 3.89                | 108           | 104            | 64.0-144         |               |                | 4.03     | 25              |
| Dichlorodifluoromethane        | 3.75                 | 4.15               | 3.89                | 111           | 104            | 64.0-139         |               |                | 6.47     | 25              |
| 1,2-Dichlorotetrafluoroethane  | 3.75                 | 4.20               | 3.95                | 112           | 105            | 70.0-130         |               |                | 6.13     | 25              |
| Chloromethane                  | 3.75                 | 4.17               | 4.00                | 111           | 107            | 70.0-130         |               |                | 4.16     | 25              |
| Vinyl chloride                 | 3.75                 | 4.21               | 4.26                | 112           | 114            | 70.0-130         |               |                | 1.18     | 25              |
| 1,3-Butadiene                  | 3.75                 | 4.11               | 4.41                | 110           | 118            | 70.0-130         |               |                | 7.04     | 25              |
| Bromomethane                   | 3.75                 | 4.11               | 4.13                | 110           | 110            | 70.0-130         |               |                | 0.485    | 25              |
| Chloroethane                   | 3.75                 | 4.12               | 4.19                | 110           | 112            | 70.0-130         |               |                | 1.68     | 25              |
| Trichlorofluoromethane         | 3.75                 | 4.10               | 4.16                | 109           | 111            | 70.0-130         |               |                | 1.45     | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 4.05               | 4.13                | 108           | 110            | 70.0-130         |               |                | 1.96     | 25              |
| 1,1-Dichloroethene             | 3.75                 | 4.13               | 4.31                | 110           | 115            | 70.0-130         |               |                | 4.27     | 25              |
| 1,1-Dichloroethane             | 3.75                 | 4.13               | 4.20                | 110           | 112            | 70.0-130         |               |                | 1.68     | 25              |
| Carbon disulfide               | 3.75                 | 3.79               | 3.83                | 101           | 102            | 70.0-130         |               |                | 1.05     | 25              |
| Methylene Chloride             | 3.75                 | 3.96               | 4.05                | 106           | 108            | 70.0-130         |               |                | 2.25     | 25              |
| MTBE                           | 3.75                 | 4.07               | 4.13                | 109           | 110            | 70.0-130         |               |                | 1.46     | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 4.09               | 4.22                | 109           | 113            | 70.0-130         |               |                | 3.13     | 25              |
| Vinyl acetate                  | 3.75                 | 3.61               | 3.61                | 96.3          | 96.3           | 70.0-130         |               |                | 0.000    | 25              |
| Methyl Ethyl Ketone            | 3.75                 | 4.10               | 4.16                | 109           | 111            | 70.0-130         |               |                | 1.45     | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 4.08               | 4.21                | 109           | 112            | 70.0-130         |               |                | 3.14     | 25              |
| Chloroform                     | 3.75                 | 4.00               | 4.13                | 107           | 110            | 70.0-130         |               |                | 3.20     | 25              |
| 1,1,1-Trichloroethane          | 3.75                 | 3.91               | 4.05                | 104           | 108            | 70.0-130         |               |                | 3.52     | 25              |
| Carbon tetrachloride           | 3.75                 | 3.97               | 4.00                | 106           | 107            | 70.0-130         |               |                | 0.753    | 25              |
| Ethylbenzene                   | 3.75                 | 4.10               | 4.14                | 109           | 110            | 70.0-130         |               |                | 0.971    | 25              |
| m&p-Xylene                     | 7.50                 | 8.31               | 8.28                | 111           | 110            | 70.0-130         |               |                | 0.362    | 25              |
| o-Xylene                       | 3.75                 | 4.08               | 4.11                | 109           | 110            | 70.0-130         |               |                | 0.733    | 25              |
| Styrene                        | 3.75                 | 4.23               | 4.21                | 113           | 112            | 70.0-130         |               |                | 0.474    | 25              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Tr

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

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

(LCS) R3735362-1 11/30/21 09:07 • (LCSD) R3735362-2 11/30/21 09:50

| 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                 | 3.79               | 3.80                | 101           | 101            | 70.0-130         |               |                | 0.264    | 25              |
| 1,1,2,2-Tetrachloroethane  | 3.75                 | 4.15               | 4.18                | 111           | 111            | 70.0-130         |               |                | 0.720    | 25              |
| 4-Ethyltoluene             | 3.75                 | 4.26               | 4.23                | 114           | 113            | 70.0-130         |               |                | 0.707    | 25              |
| 1,3,5-Trimethylbenzene     | 3.75                 | 4.27               | 4.24                | 114           | 113            | 70.0-130         |               |                | 0.705    | 25              |
| 1,2,4-Trimethylbenzene     | 3.75                 | 4.23               | 4.26                | 113           | 114            | 70.0-130         |               |                | 0.707    | 25              |
| 1,3-Dichlorobenzene        | 3.75                 | 4.28               | 4.33                | 114           | 115            | 70.0-130         |               |                | 1.16     | 25              |
| 1,4-Dichlorobenzene        | 3.75                 | 4.41               | 4.49                | 118           | 120            | 70.0-130         |               |                | 1.80     | 25              |
| Benzyl Chloride            | 3.75                 | 4.48               | 4.52                | 119           | 121            | 70.0-152         |               |                | 0.889    | 25              |
| 1,2-Dichlorobenzene        | 3.75                 | 4.31               | 4.30                | 115           | 115            | 70.0-130         |               |                | 0.232    | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 3.86               | 3.87                | 103           | 103            | 70.0-160         |               |                | 0.259    | 25              |
| Hexachloro-1,3-butadiene   | 3.75                 | 4.19               | 4.14                | 112           | 110            | 70.0-151         |               |                | 1.20     | 25              |
| Naphthalene                | 3.75                 | 4.34               | 4.42                | 116           | 118            | 70.0-159         |               |                | 1.83     | 25              |
| Allyl Chloride             | 3.75                 | 4.05               | 4.33                | 108           | 115            | 70.0-130         |               |                | 6.68     | 25              |
| 2-Chlorotoluene            | 3.75                 | 4.27               | 4.23                | 114           | 113            | 70.0-130         |               |                | 0.941    | 25              |
| Tetrahydrofuran            | 3.75                 | 4.05               | 4.26                | 108           | 114            | 70.0-137         |               |                | 5.05     | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 4.17               | 4.29                | 111           | 114            | 70.0-130         |               |                | 2.84     | 25              |
| Vinyl Bromide              | 3.75                 | 4.15               | 4.19                | 111           | 112            | 70.0-130         |               |                | 0.959    | 25              |
| Isopropylbenzene           | 3.75                 | 4.19               | 4.20                | 112           | 112            | 70.0-130         |               |                | 0.238    | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 100           | 99.4           | 60.0-140         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

L1435916-01

Method Blank (MB)

(MB) R3735879-3 12/01/21 09:54

| Analyte                     | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|-----------------------------|-------------------|--------------|----------------|----------------|
| 1,1,2-Trichloroethane       | U                 |              | 0.0775         | 0.200          |
| 1,2-Dibromoethane           | U                 |              | 0.0721         | 0.200          |
| 1,2-Dichloroethane          | U                 |              | 0.0700         | 0.200          |
| 1,2-Dichloropropane         | U                 |              | 0.0760         | 0.200          |
| 1,4-Dioxane                 | U                 |              | 0.0833         | 0.200          |
| 2-Propanol                  | U                 |              | 0.264          | 1.25           |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.0765         | 1.25           |
| Acetone                     | U                 |              | 0.584          | 1.25           |
| Benzene                     | U                 |              | 0.0715         | 0.200          |
| Bromodichloromethane        | U                 |              | 0.0702         | 0.200          |
| Chlorobenzene               | U                 |              | 0.0832         | 0.200          |
| Dibromochloromethane        | U                 |              | 0.0727         | 0.200          |
| cis-1,3-Dichloropropene     | U                 |              | 0.0689         | 0.200          |
| Cyclohexane                 | U                 |              | 0.0753         | 0.200          |
| Heptane                     | U                 |              | 0.104          | 0.200          |
| Methyl Butyl Ketone         | U                 |              | 0.133          | 1.25           |
| Methyl Methacrylate         | U                 |              | 0.0876         | 0.200          |
| Tetrachloroethylene         | U                 |              | 0.0814         | 0.200          |
| Toluene                     | U                 |              | 0.0870         | 0.500          |
| TPH (GC/MS) Low Fraction    | U                 |              | 39.7           | 200            |
| trans-1,3-Dichloropropene   | U                 |              | 0.0728         | 0.200          |
| Trichloroethylene           | U                 |              | 0.0680         | 0.200          |
| (S) 1,4-Bromofluorobenzene  | 99.8              |              |                | 60.0-140       |

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R3735879-1 12/01/21 08:36 • (LCSD) R3735879-2 12/01/21 09:16

| 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>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,1,2-Trichloroethane       | 3.75                 | 3.98               | 3.93                | 106           | 105            | 70.0-130         |               |                | 1.26     | 25              |
| 1,2-Dibromoethane           | 3.75                 | 4.01               | 3.96                | 107           | 106            | 70.0-130         |               |                | 1.25     | 25              |
| 1,2-Dichloroethane          | 3.75                 | 4.32               | 4.31                | 115           | 115            | 70.0-130         |               |                | 0.232    | 25              |
| 1,2-Dichloropropane         | 3.75                 | 4.02               | 3.96                | 107           | 106            | 70.0-130         |               |                | 1.50     | 25              |
| 1,4-Dioxane                 | 3.75                 | 4.02               | 3.99                | 107           | 106            | 70.0-140         |               |                | 0.749    | 25              |
| 2-Propanol                  | 3.75                 | 3.97               | 3.91                | 106           | 104            | 70.0-139         |               |                | 1.52     | 25              |
| 4-Methyl-2-pentanone (MIBK) | 3.75                 | 4.01               | 4.02                | 107           | 107            | 70.0-139         |               |                | 0.249    | 25              |
| Acetone                     | 3.75                 | 4.02               | 3.96                | 107           | 106            | 70.0-130         |               |                | 1.50     | 25              |
| Benzene                     | 3.75                 | 4.10               | 4.05                | 109           | 108            | 70.0-130         |               |                | 1.23     | 25              |
| Bromodichloromethane        | 3.75                 | 4.12               | 4.06                | 110           | 108            | 70.0-130         |               |                | 1.47     | 25              |



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

(LCS) R3735879-1 12/01/21 08:36 • (LCSD) R3735879-2 12/01/21 09:16

| 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>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Chlorobenzene              | 3.75                 | 3.99               | 3.95                | 106           | 105            | 70.0-130         |               |                | 1.01     | 25              |
| Dibromochloromethane       | 3.75                 | 3.96               | 3.92                | 106           | 105            | 70.0-130         |               |                | 1.02     | 25              |
| cis-1,3-Dichloropropene    | 3.75                 | 3.98               | 3.92                | 106           | 105            | 70.0-130         |               |                | 1.52     | 25              |
| Cyclohexane                | 3.75                 | 4.14               | 4.05                | 110           | 108            | 70.0-130         |               |                | 2.20     | 25              |
| Heptane                    | 3.75                 | 4.02               | 4.10                | 107           | 109            | 70.0-130         |               |                | 1.97     | 25              |
| Methyl Butyl Ketone        | 3.75                 | 4.09               | 4.08                | 109           | 109            | 70.0-149         |               |                | 0.245    | 25              |
| Methyl Methacrylate        | 3.75                 | 4.00               | 4.05                | 107           | 108            | 70.0-130         |               |                | 1.24     | 25              |
| Tetrachloroethylene        | 3.75                 | 3.82               | 3.74                | 102           | 99.7           | 70.0-130         |               |                | 2.12     | 25              |
| Toluene                    | 3.75                 | 4.05               | 3.99                | 108           | 106            | 70.0-130         |               |                | 1.49     | 25              |
| TPH (GC/MS) Low Fraction   | 203                  | 229                | 225                 | 113           | 111            | 70.0-130         |               |                | 1.76     | 25              |
| trans-1,3-Dichloropropene  | 3.75                 | 4.06               | 4.04                | 108           | 108            | 70.0-130         |               |                | 0.494    | 25              |
| Trichloroethylene          | 3.75                 | 3.97               | 3.99                | 106           | 106            | 70.0-130         |               |                | 0.503    | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 101           | 101            | 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 [L1435916-01](#)

Method Blank (MB)

(MB) R3736321-3 12/02/21 10:13

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | ppbv      |              | ppbv   | ppbv     |
| n-Hexane                   | U         |              | 0.206  | 0.630    |
| (S) 1,4-Bromofluorobenzene | 90.6      |              |        | 60.0-140 |

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

(LCS) R3736321-1 12/02/21 08:50 • (LCSD) R3736321-2 12/02/21 09:32

| 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         | 4.31       | 4.20        | 115      | 112       | 70.0-130    |               |                | 2.59 | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 91.8     | 92.1      | 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.                                                                                                                                                                                                                                                                                                                                                            |

### 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.

<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

## Ensolum, LLC

705 W. Wadley Ave, Ste 210  
Midland, TX 79705

Report to:

Beaux Jennings

Project Description:

Levey Well

City/State

Collected: Hobbs, NM

Please Circle:

PT MT CT ET

Phone: 210-219-8858

Client Project #

03B1417001

Lab Project #

ENSOLUMMTX-SUMMA

Collected by (print):

Aaron Marquez

Site/Facility ID #

03B1417001

P.O. #

03B1417001

Collected by (signature):



Rush? (Lab MUST Be Notified)

☐ Same Day ☐ Five Day  
☐ Next Day ☐ 5 Day (Rad Only)  
☒ Two Day ☐ 10 Day (Rad Only)  
☒ Three Day

Date Results Needed

No.  
of  
Cnts

Immediately

Packed on Ice N ☐ Y ☒

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

No.  
of  
Cnts

Levey Well

G

Air

—

11-24-21

1048

1

X

TO-15 Summa

Analysis / Container / Preservative

Chain of Custody Page 384 of 395



12065 Lebanon Road Mt Juliet, TN 37122  
Phone: 615-758-5858 Alt: 800-767-5859  
Submitting a sample via this chain of custody  
constitutes acknowledgment and acceptance of the  
Pace Terms and Conditions found at:  
<https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

SDG #

C132

Acctnum: ENSOLUMMTX

Template: T180734

Prelogin: P827709

PM: 134 - Mark W. Beasley

PB:

Shipped Via:

Remarks

Sample # (lab only)

-Q/

\* Matrix:

SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

9883 00851026

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐ Y ☐ N  
COC Signed/Accurate: ☒ Y ☐ N  
Bottles arrive intact: ☒ Y ☐ N  
Correct bottles used: ☒ Y ☐ N  
Sufficient volume sent: ☒ Y ☐ N  
If Applicable  
VOA Zero Headspace: ☒ Y ☐ N  
Preservation Correct/Checked: ☒ Y ☐ N  
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Relinquished by: (Signature)

Date:

11-29-21

Time:

4:00

Received by: (Signature)

Trip Blank Received: Yes ☐ No ☒HCL/MeOH  
TBR

Relinquished by: (Signature)

Date:

11-29-21

Time:

15:00

Received by: (Signature)

FedEx

Temp: ☒ °C

Bottles Received: 1

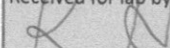
If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)



Date:

11/30/21

Time:

9:30

Hold:

Condition:

NCF 1 OK



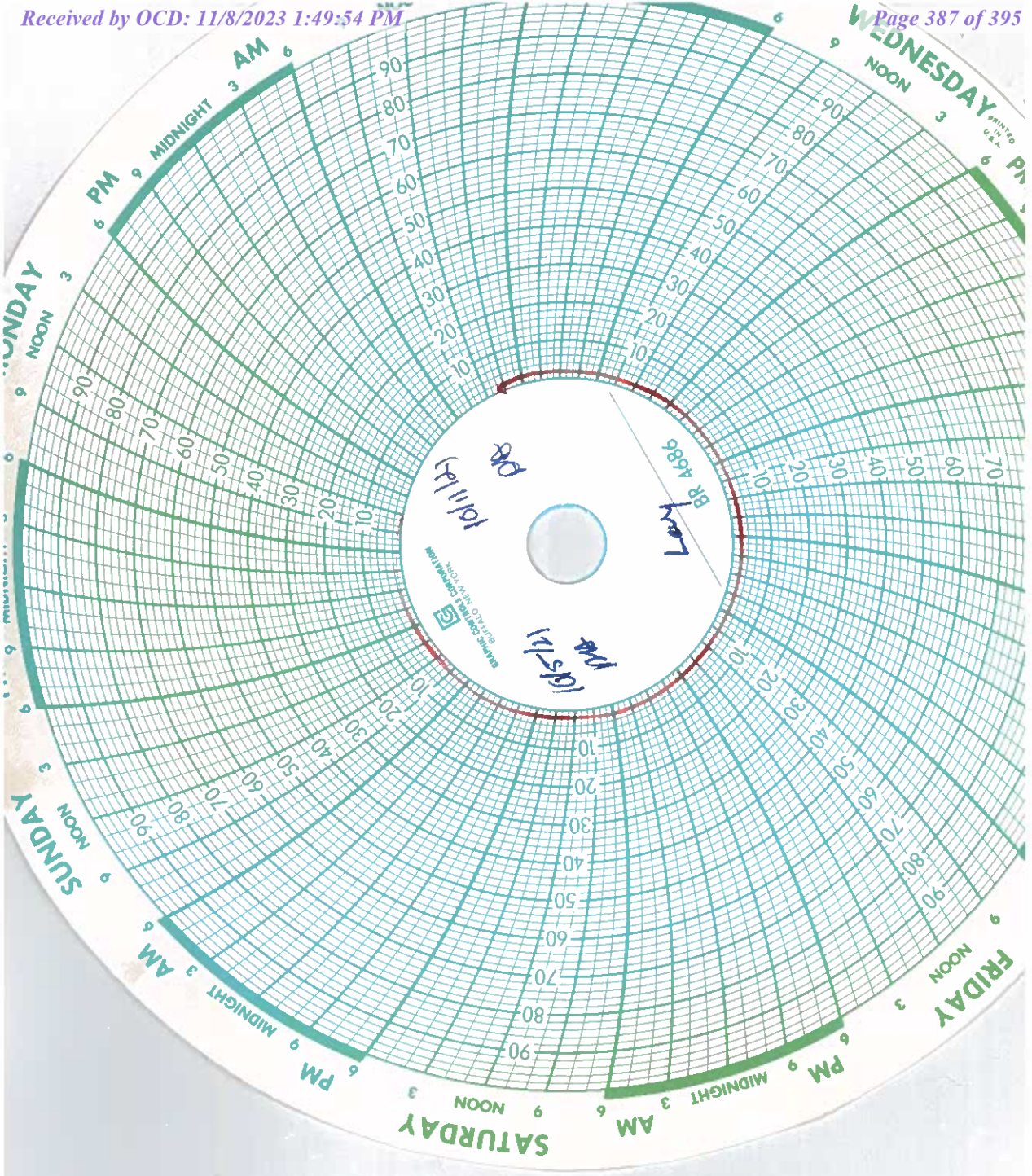
## APPENDIX D

### Levey Well Pressure Reading Documentation

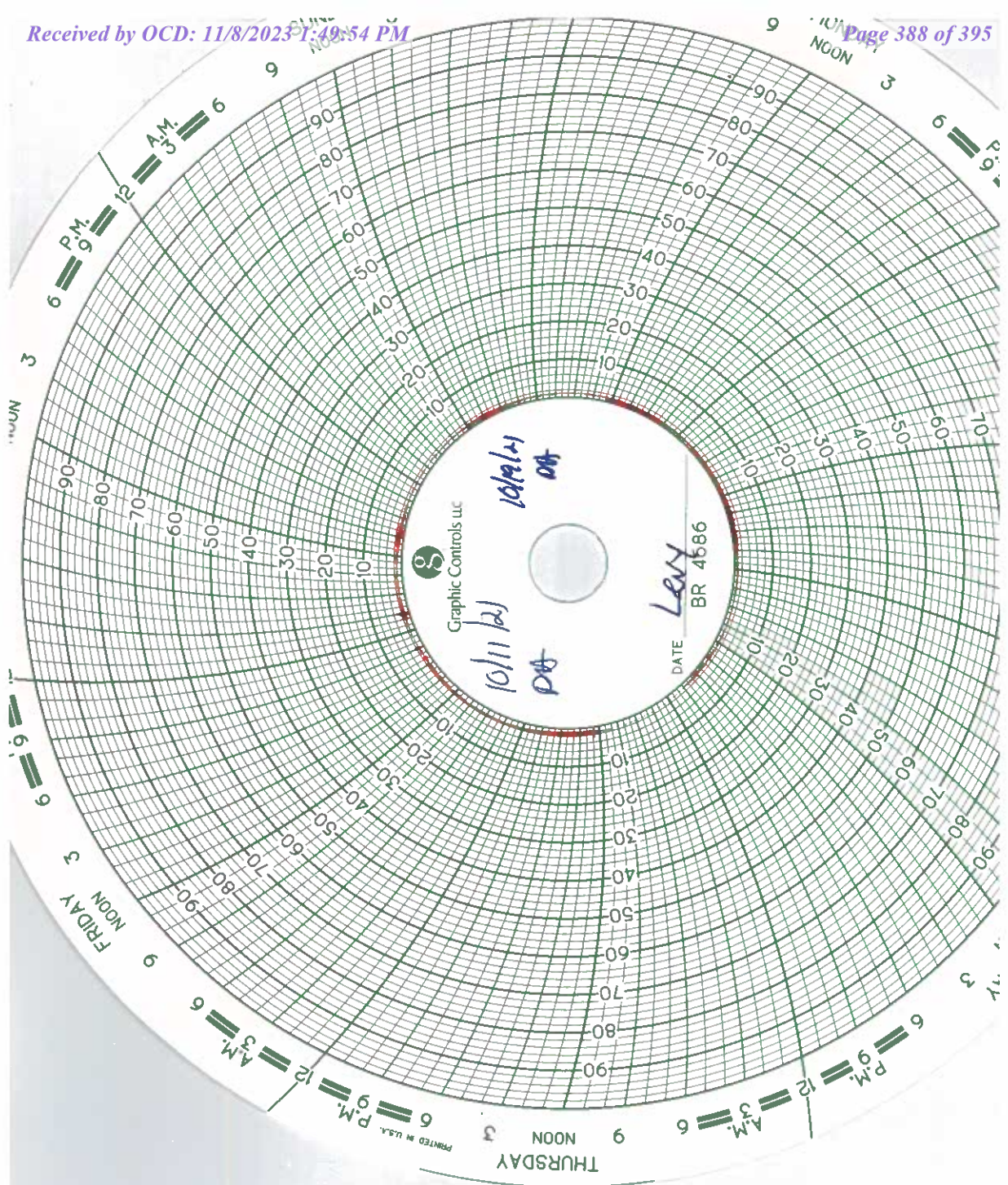




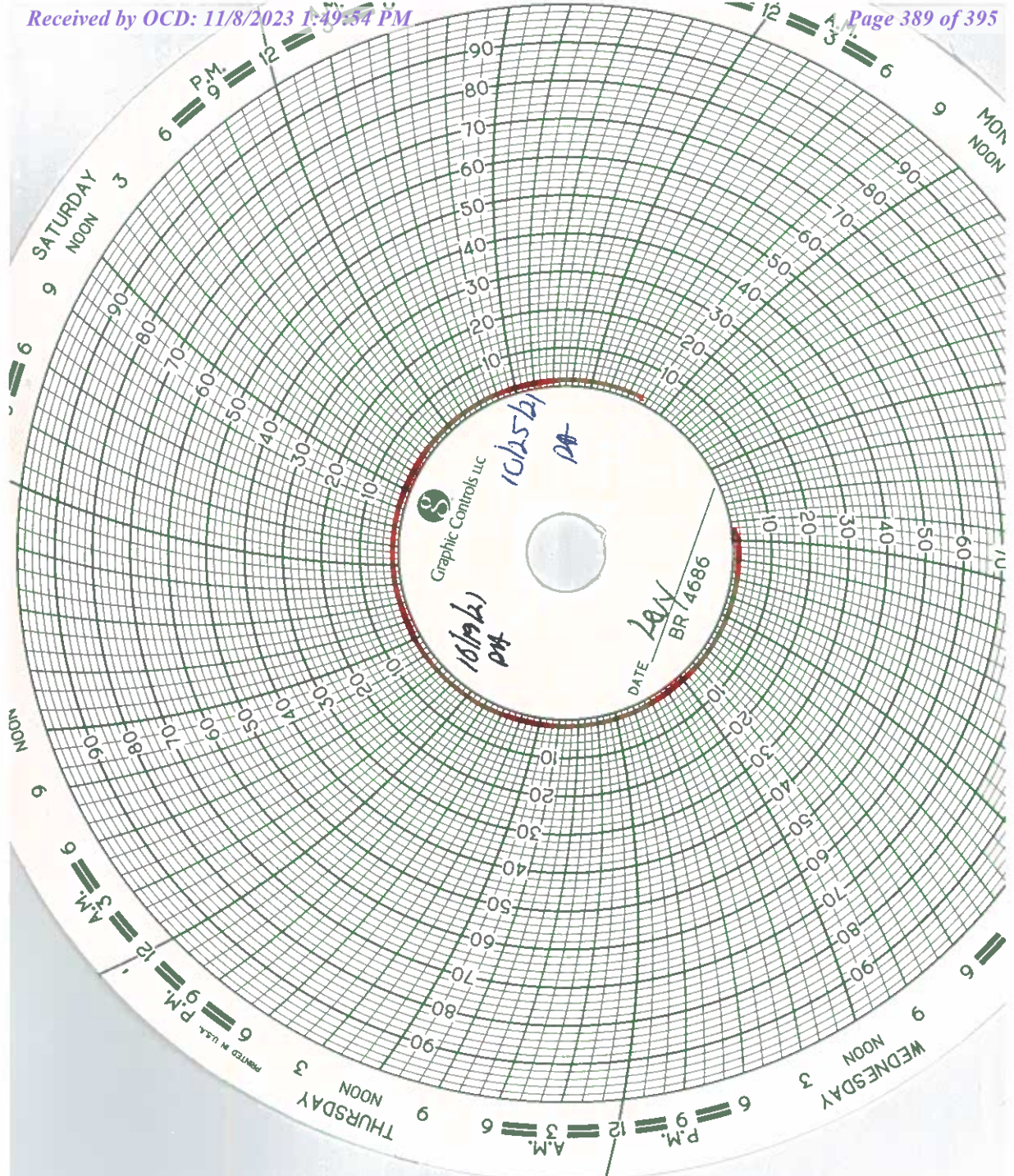




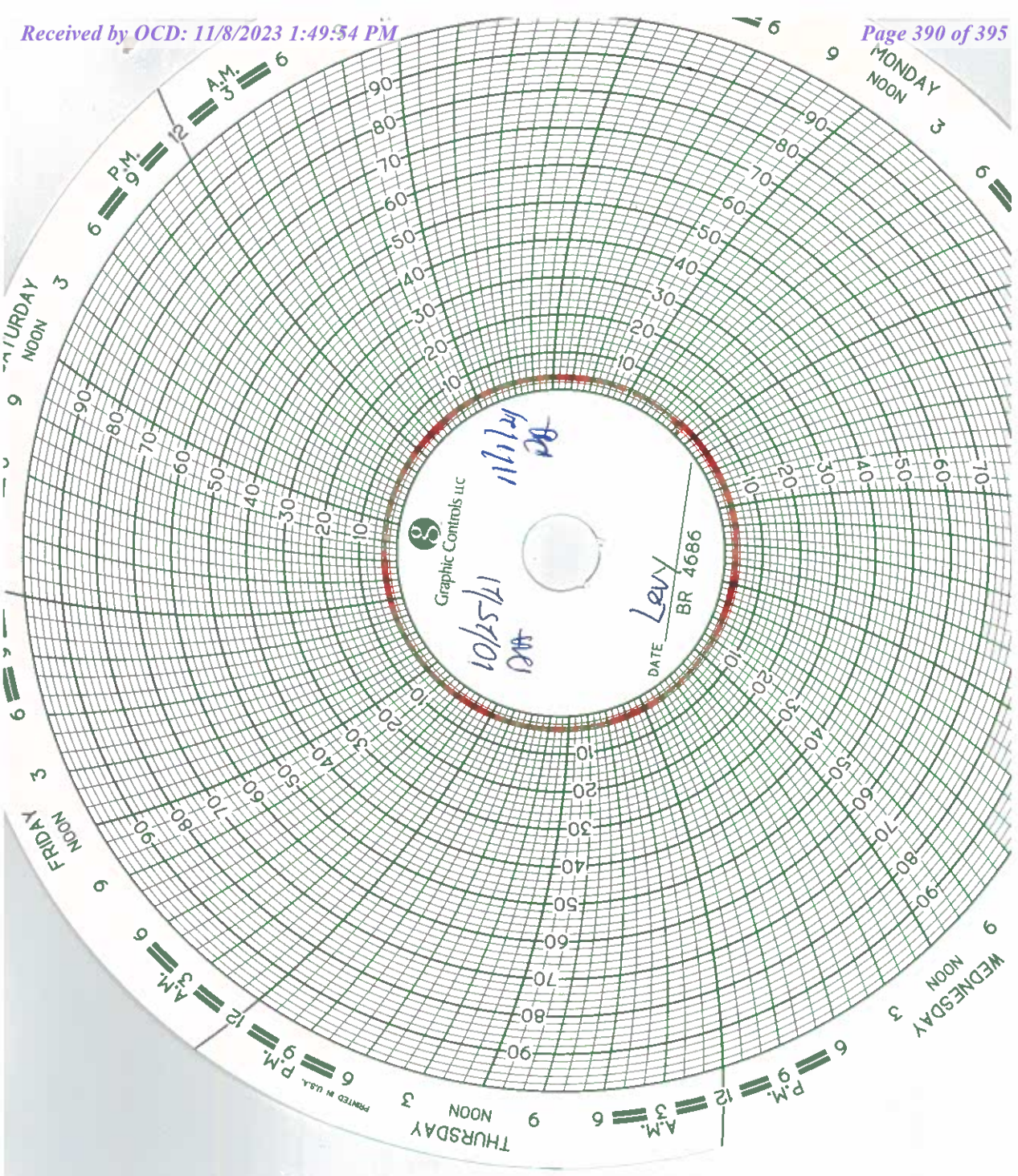




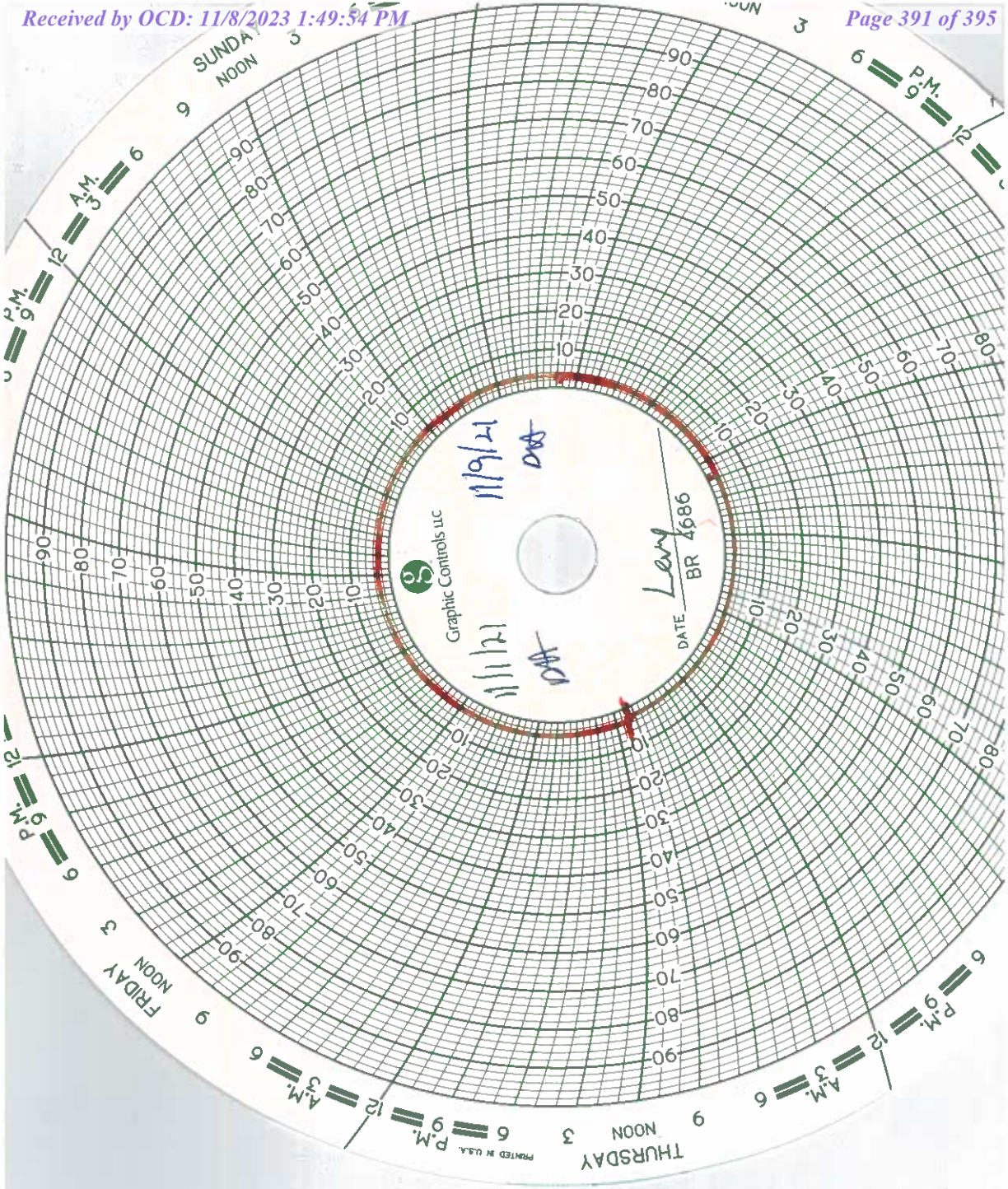




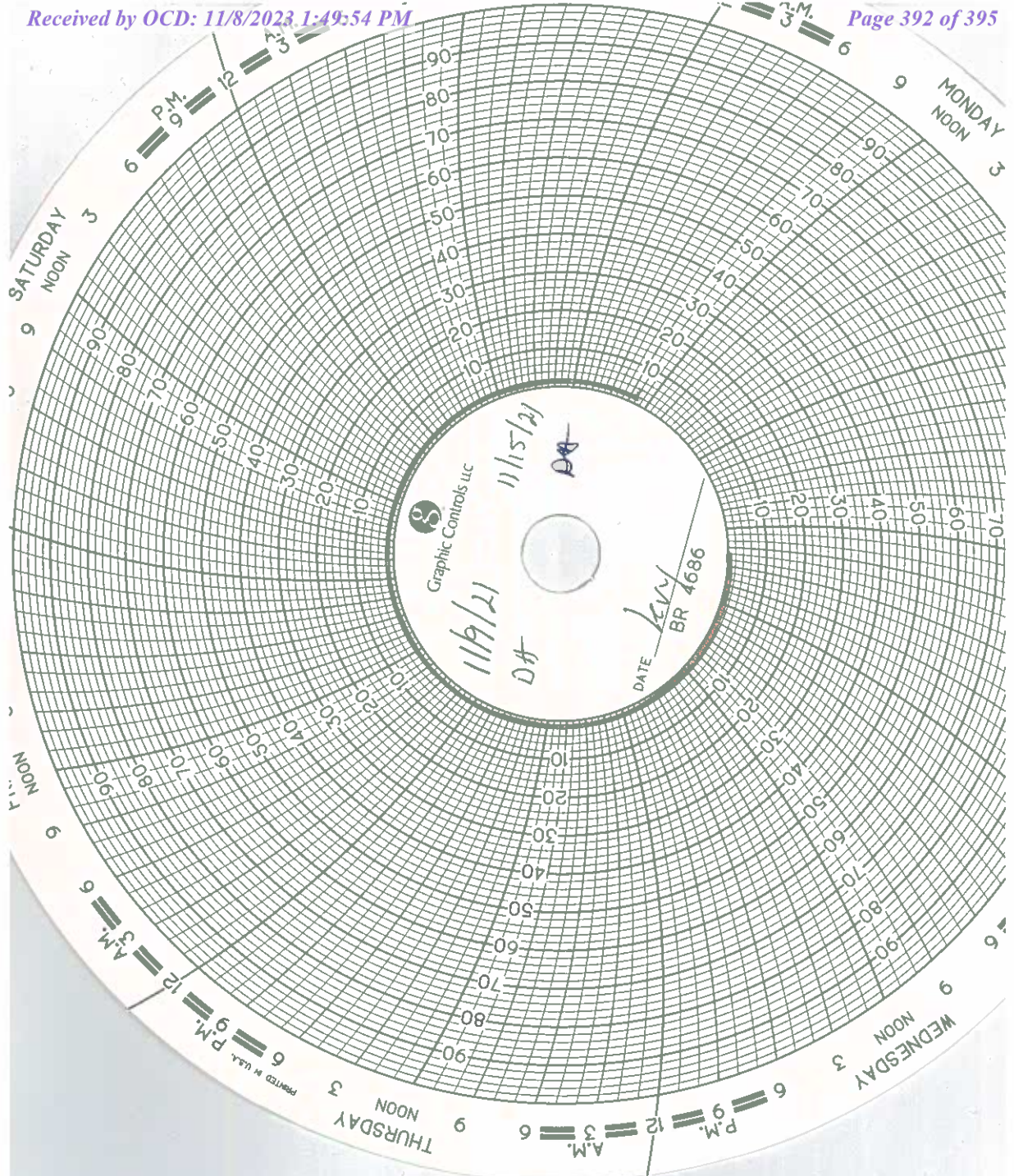






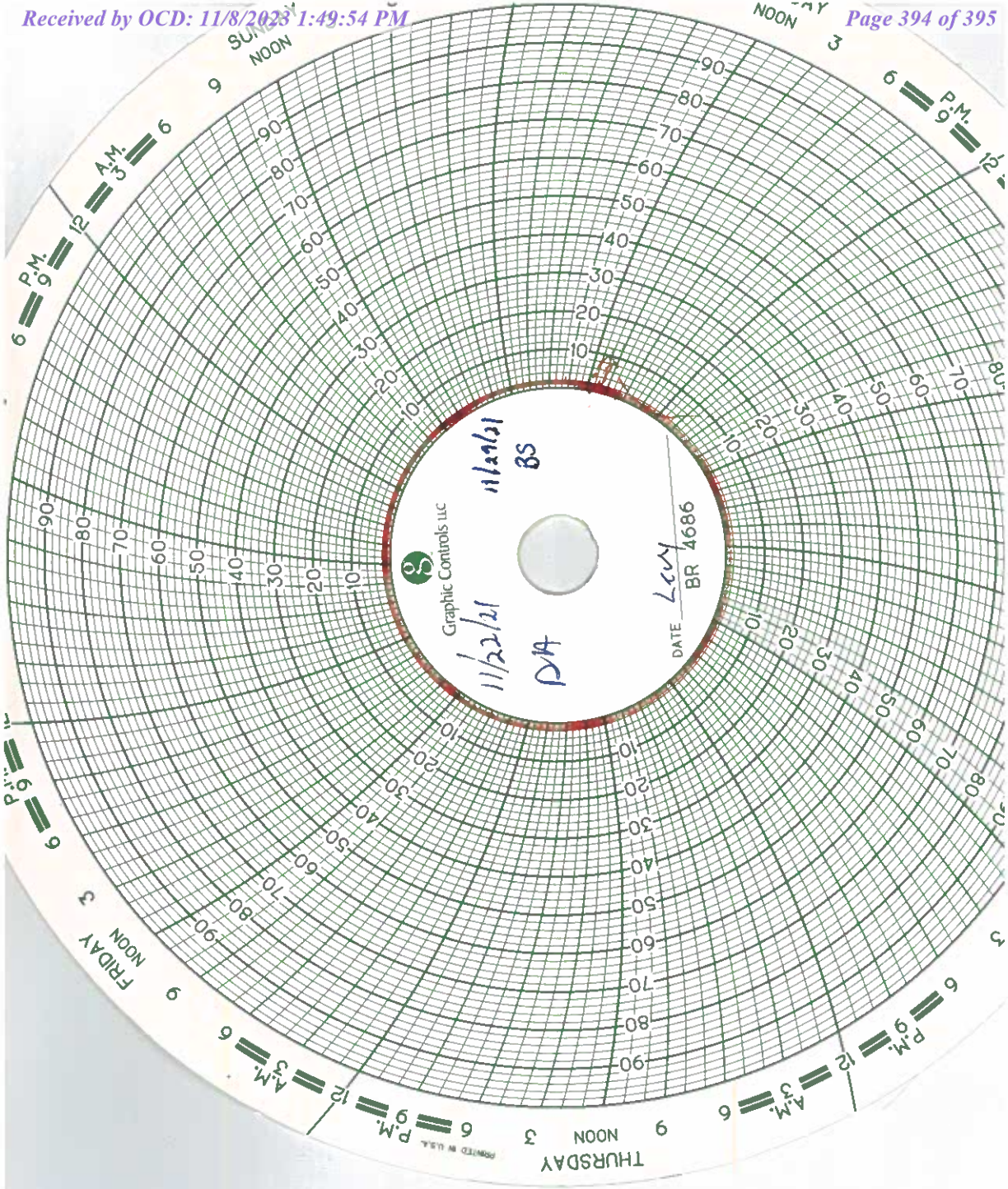














**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District 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 283989

CONDITIONS

|                                                                               |                                                                          |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984                                                         |
|                                                                               | Action Number:<br>283989                                                 |
|                                                                               | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By       | Condition | Condition Date |
|------------------|-----------|----------------|
| michael.buchanan | None      | 1/2/2024       |