ENSOLUM

GAS MITIGATION MONTHLY REPORT - JANUARY 2023

Property:

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

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

March 9, 2023

Prepared for:

Occidental Permian LTD
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Beaux Jennings
Senior Project Manager

Elizabeth Scaggs, PG
Principal

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Table of Contents

List of Appendices

ENSOLUM

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South Hobbs G/SA Unit Operations
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Latitude 32.690683, Longitude -103.173158
Lea County, New Mexico

1.0 INTRODUCTION

1.1 Site Description & Background

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

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

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. After SHU #183 was plugged, OXY drilled a nearby replacement well. This replacement well, designated as SHU #297, is currently operational and shows no concerns of free gas migration.

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

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

OXY’s groundwater monitoring program included the collection of a groundwater sample from each monitoring well (MW-1 and MW- 2). The monitoring wells were gauged and sampled on May 26, June 30, August 20, October 23, November 24, December 18, 2020, and weekly thereafter. The Levey Well has been sampled consistently from December 6, 2019, to January 25, 2023. The groundwater samples collected from the monitoring wells (MW-1 and MW-2) were analyzed for total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) utilizing Environmental Protection Agency (EPA) Method 8015M, volatile organic compounds (VOCs) utilizing EPA Method SW-846 #8260 (full list), carbon dioxide utilizing Standard Method 4500 CO2 C, dissolved sulfide utilizing EPA Method SW-846 #376.2, chloride using EPA Method SW-846 #300.0 and pH utilizing EPA Method SW-846 #150.1. The groundwater samples collected from the Levey Well were analyzed for VOCs, recoverable metals per ICP by EPA 200.7, inorganic anions by EPA 300/300.1, pH by SM4500-H, total dissolved solids (TDS) by SM2540C, alkalinity by SM2320B and cation-anion balance by SM1030E.

During the January 2023 groundwater sampling event the groundwater samples did not exhibit constituent concentrations above New Mexico Water Quality Control Commission (WQCC) *Groundwater Quality Standards* (*GQSs*), with the exception of benzene, chloride, Nitrite as N and TDS. Benzene concentrations ranged from 0.0108 milligrams per liter (mg/L) to 0.0171 mg/L in monitoring well MW-2 and there was one exceedance of 0.00589 mg/L in the Levey Well. Chloride concentrations ranged from 292 mg/L to 304 mg/L in the Levey Well. A Nitrite as N exceedance of 1.23 mg/L was also observed in monitoring well MW-2. TDS concentrations ranged from 1,730 mg/L to 1,800 mg/L in the Levey Well. Although above the GQS, these TDS concentrations are consistent with background levels in the Quaternary Alluvium, Ogallala Formation, and the Dockum Group (i.e., the three groundwater bearing units) in Southern Lea County (Nicholson and Clebsch, 1961). The groundwater analytical summary tables are included in **Appendix B**.

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

To mitigate potential exposures, the Levey residence was purchased by OXY and remains unoccupied. A passive vent was installed on the Levey Well to mitigate safety and explosivity concerns for the residential and work area. There has been no detectable build-up of pressure in the Levey Well or monitoring wells MW-1 and MW-2. Hydrogen sulfide (H_2S) has not been detected in any of the three 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 1/25/2023, with no pressure observed in either monitoring well. The pressure reading chart available for January 2023 is included in **Appendix D**.

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

> *As free-phase gas spreads vertically and/or laterally from a source of release, it can become trapped beneath low permeability sediments (e.g., the “red beds” which separate the overlying Ogallala aquifer from the underlying Santa Rosa). Irregularities in the base topography of these barriers can result in discretized pools of free-phase gas. In many ways, this trapping and accumulation of free-phase gases beneath impermeable units is analogous to the development of structural traps that form in conventional oil and gas reservoirs. This phenomenon can also be viewed as the conceptual inverse of a chlorinated solvent release (a dense NAPL, or “DNAPL”) in which the dense liquid can migrate downward through the groundwater via available pathways, until encountering a resistant layer, where the dense liquid pools and accumulates.*
>
> *In water supply wells, free-phase gas entry is most likely to occur when water levels are lowered in a well by pumping or drought, because this reduces the pressure head resisting gas entry from the formation into the well (Gorody 2012, Molofsky et al. 2018). This may allow free-phase gas to enter the well from one unit (e.g., red bed), while water is primarily originating from another (e.g., the Ogallala aquifer). When the two phases (free-phase gas from the red bed and groundwater from the Ogallala) mix in the water well, there is relatively little time for equilibration under pumping conditions; consequently, dissolved gas concentrations may be very low even though free-phase gas is observed in the well headspace.*

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

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

1.2 Groundwater Recovery – Levey Well

As of July 1, 2021, the Levey Well has run full time and recovered groundwater is transferred via flowline to a nearby tank for proper disposal. The groundwater recovered from the Levey Well during January 1 - 25, 2023 was approximately 292,655 gallons. Due to a severe winter storm on February 2, 2022, the Levey well flowline pump was damaged. Replacement parts were ordered, the pump was repaired and has been active as of March 14, 2022.

1.3 Gas Recovery – Levey Well

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

The air samples from January 9 and 23, 2023, were taken prior to, during, and subsequent to the vacuum recovery event utilizing Summa® canisters. Upon arrival at the Site, the Levey Well is turned off and allowed to stabilize for approximately one hour. An air sample is taken after one hour of the Levey Well stabilization, prior to initiating the vacuum recovery event.

During the January 9 and 23, 2023 vacuum recovery events, the vacuum was applied to the Levey Well for a duration of approximately two hours. Approximately one hour and two hours into the event, an air sample was taken. The vacuum was then turned off and an additional air sample from the Levey Well was taken one hour subsequent to the vacuum recovery event. Water was not recovered during the vacuum recovery event.

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

2.2 Groundwater Sampling Program

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

Levey Well

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

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

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

Monitoring Wells MW-1 and MW-2

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

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

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

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

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

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

3.0 DATA EVALUTATION

3.1 Air Samples

Gas mitigation activities at the Levey Well began on November 8, 2021 and will continue on a bi-weekly basis through February 2023. Based on the concentrations observed in the Levey Well air samples, the vacuum recovery events are drawing the free gas over to the Levey Well. Prior to each vacuum recovery event, an air sample is taken to give a representative snapshot of static conditions of gas in the subsurface. Elevated concentrations of cyclohexane, ethanol, heptane, n-hexane, 2-propanol, and/or TPH were observed prior to the initiation of each vacuum recovery event.

Once initiated, an air sample is taken at one hour and two hours into the vacuum recovery event. During each of the vacuum recovery events, cyclohexane, ethanol, heptane, n-hexane, 2-propanol, and TPH concentrations significantly decrease throughout the duration of the event.

Approximately one hour after the termination of the vacuum recovery event, a final air sample is collected. Elevated concentrations of cyclohexane, ethanol, heptane, n-hexane, 2-propanol, 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 Well.

Air samples are also collected on a bi-weekly basis approximately one week subsequent to the vacuum recovery event. During each of the bi-weekly air sampling events, elevated concentrations of acetone, carbon disulfide, cyclohexane, ethanol, n-hexane, 2-Butanone (MEK), 2-propanol, and/or TPH were observed inside the Levey water well casing. These results again indicate that the vacuum recovery events are successful in drawing the subsurface gas over to the Levey Well.

3.2 Groundwater Samples

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

Levey Well

The groundwater samples collected from the Levey Well exhibited chloride concentrations ranging from 292 mg/L to 304 mg/L, which are above the WQCC GQS of 250.0 mg/L.

TDS concentrations of 1,730 mg/L to 1,800 mg/L were observed during the January 2023 sampling. Although above the GQS, these TDS concentrations are consistent with background levels in the Quaternary Alluvium, Ogallala Formation, and the Dockum Group (i.e., the three groundwater bearing units) in Southern Lea County (Nicholson and Clebsch, 1961). Specifically, for the 20 water supply wells sampled by the USGS in Southern Lea County with TDS analyses, the median TDS concentration was 722 mg/L, and the 75th percentile TDS concentration was 1,953 mg/L.

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

Monitoring Well MW-1 and MW-2

The groundwater samples collected from monitoring well MW-1 did not exhibit benzene concentrations above the WQCC GQS of 0.005 mg/L. The groundwater samples collected from monitoring well MW-2 exhibited benzene concentrations ranging from 0.0108 mg/L to 0.0171 mg/L, which exceed the WQCC GQS of 0.005 mg/L.

One Nitrite as N exceedance of 1.23 mg/L from monitoring well MW-2 was observed during the January 2023 sampling events, which is above the WQCC GQS of 1.0 mg/L.

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

4.0 RECOMMENDATIONS

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

Based on verbal communication between OXY and NMOCD, OXY concurs with the following recommendations and/or requests from the NMOCD moving forward in 2023:

- **Continue to remove free gas accumulations from the underlying red bed and groundwater-bearing zone on a bi-weekly basis to acceptable levels of removal to achieve compliance expectations. The air sampling process performed at the Levey Well will continue to be utilized, as described in Section 2.1;**

- **Continue to monitor the Levey Well and monitoring wells MW-1 and MW-2 utilizing daily pressure checks for significant changes in pressure, which could indicate a secondary source, until compliance of free gas removal is achieved; and**

- **Implement monthly sampling for water and air on the Levey Well and monitoring wells MW-1 and MW-2 moving forward in 2023.**

5.0 REFERENCES

GSI Environmental Inc. Preliminary Draft -Results of Water Supply Well Sampling and Investigation. November 2019. Hobbs New Mexico Municipal Code, Title 13.04.017. Accessed Sept. 2020.

New Mexico Environment Department. 2018. 20.6.2 NMAC: Title 20 (Environmental Protection), Chapter 6 (Water Quality), Part 2 (Ground and Surface Water Protection). Amended December 11th, 2019.

Nicholson, Jr. A. and A. Clebsch, Jr. 1961. Geology and Ground-Water Conditions in Southern Lea County, New Mexico. United States Geological Survey Ground-Water Report 6. Prepared in cooperation with the New Mexico Institute of Mining and Technology, State Bureau of Mines and Mineral Resources Division and the New Mexico State Engineer.

Gorody, A.W., 2012. Factors affecting the variability of stray gas concentration and composition in groundwater. Environ. Geosci. 19, 17–31. https://doi.org/10.1306/eg.12081111013.

Molofsky, L.J., Richardson, S.D., Gorody, A.W., Baldassare, F., Connor, J.A., McHugh, T.E., Smith, A.P., Wylie, A.S., Wagner, T., 2018. Purging and other sampling variables affecting dissolved methane concentration in water supply wells. Sci. Total Environ. 618, 998-1007. https://doi.org/10.1016/j.scitotenv.2017.09.077.

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APPENDIX A

Figures and Graphs

ENSOLUM
Environmental & Hydrogeologic Consultants

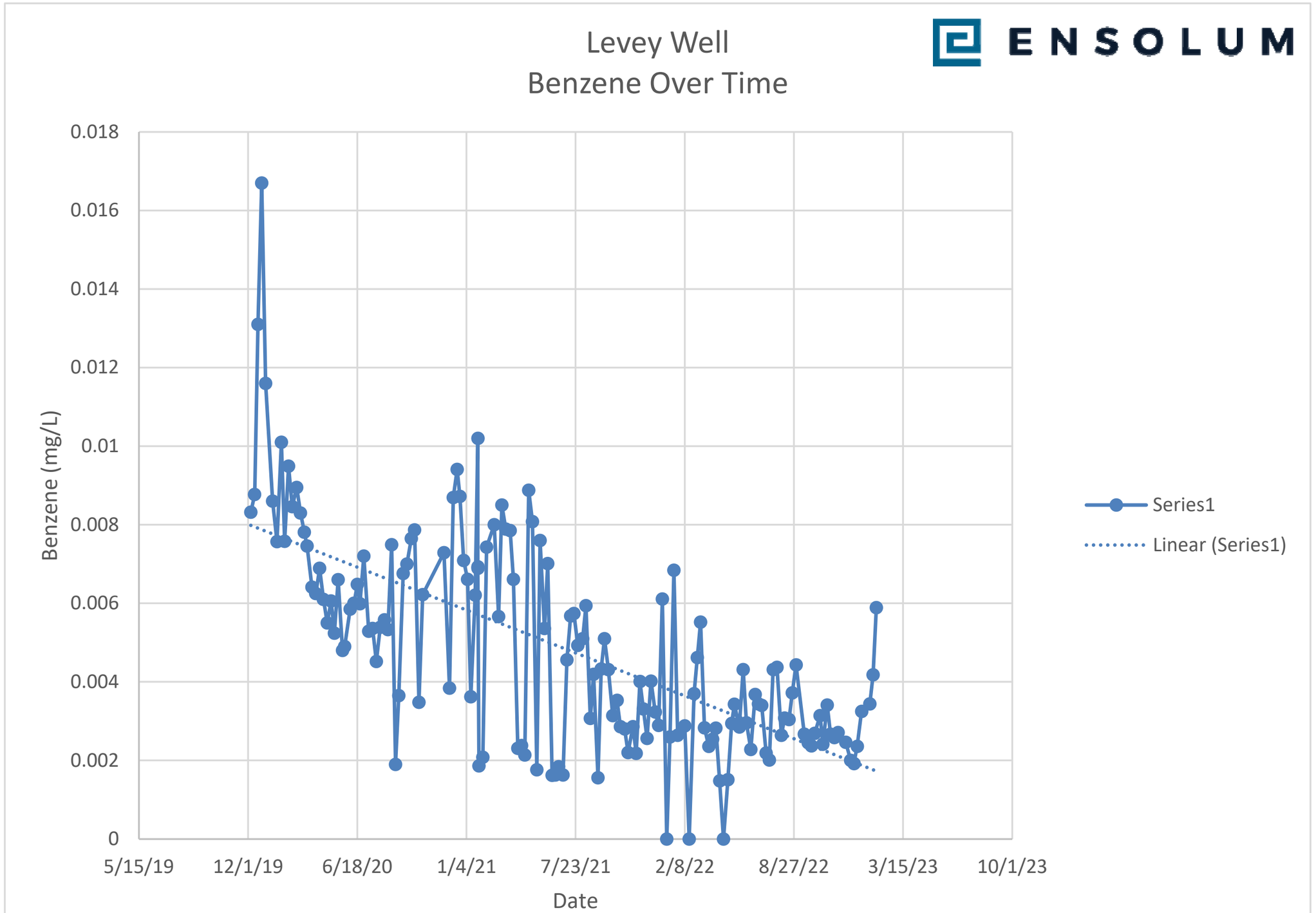
SITE MAP

OCCIDENTAL PERMIAN LTD
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

ENSOLUM



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APPENDIX B

Tables

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

Sample Designation	Date	VOCs (mg/l)																										
		Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	Total Xylenes	Methyl ethyl ketone (2-Butanone)	n-Butylbenzene	Sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethylene	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	p-Cymene (p-Isopropyltoluene)	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,2-Dichloroethylene	1,4-Dichlorobenzene	1,1-Dichloropropene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,1,2-Trichloroethane	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		**0.005**	**1**	**0.7**	**NE**	**NE**	**0.62**	**NE**	**NE**	**NE**	**NE**	**0.005**	**0.1**	**NE**	**NE**	**NE**	**NE**	**0.005**	**0.005**	**NE**	**0.075**	**NE**	**NE**	**0.03**	**NE**	**0.01**	**0.1**	**NE**	**NE**
Levey Well	12/6/2019	**0.00832**	**0.0708**	**0.0296**	**0.0242**	**0.129**	**0.153**	<0.0500	**0.00151**	**0.00206**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00138**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0126**	<0.0100	**0.00566**	<0.00100	<0.00100	**0.0358**	**0.0106**
	12/13/2019	**0.00877**	**0.0654**	**0.0271**	**0.0233**	**0.121**	**0.144**	<0.0500	**0.00118**	**0.00171**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00112**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0112**	<0.0100	**0.00470**	<0.00100	<0.00100	**0.0315**	**0.00944**
	12/19/2019	**0.0131**	**0.0861**	**0.0385**	**0.0318**	**0.170**	**0.202**	**0.0125 J**	**0.00187**	**0.00257**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.00173**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0170**	<0.00200	**0.00747**	<0.000228	<0.000162	**0.0469**	**0.0144**
	12/26/2019	**0.0167**	**0.112**	**0.0514**	**0.0459**	**0.210**	**0.256**	<0.0500	**0.00211**	**0.00320**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00183**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0235**	<0.0100	**0.00934**	<0.00100	<0.00100	**0.0672**	**0.0168**
	1/2/2020	**0.0116**	**0.0644**	**0.0551**	**0.0805**	**0.232**	**0.313**	<0.0500	**0.00231**	**0.00164**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00127**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0107**	**0.0120**	**0.00544**	<0.00100	**0.00243**	**0.0377**	**0.0106**
	1/15/2020	**0.00860**	**0.0528**	**0.0318**	**0.0219**	**0.119**	**0.141**	<0.0500	<0.00100	**0.00259**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0148**	<0.0100	**0.0104**	<0.00100	<0.00100	**0.0547**	**0.0172**
	1/23/2020	**0.00757**	**0.0462**	**0.0318**	**0.0224**	**0.119**	**0.141**	<0.0500	**0.00233**	**0.00295**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00180**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0158**	<0.0100	**0.0166**	<0.00100	<0.00100	**0.103**	**0.0300**
	1/31/2020	**0.0101**	**0.0567**	**0.0462**	**0.0385**	**0.166**	**0.205**	<0.500	<0.0100	<0.0100	**0.0438**	<0.00100	<0.0100	NA	**0.0343**	**0.0344**	<0.0100	<0.0100	**<0.0500**	<0.00100	<0.00100	**0.0584**	**0.0262**	**<0.100**	**0.0458**	<0.0100	<0.0100	**0.323**	**0.0847**
	2/6/2020	**0.00758**	**0.0489**	**0.0306**	**0.0242**	**0.116**	**0.140**	<0.0500	**0.00234**	**0.00299**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00165**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0174**	<0.0100	**0.0237**	<0.00100	<0.00100	**0.285**	**0.0451**
	2/13/2020	**0.00949**	**0.0498**	**0.0397**	**0.0337**	**0.145**	**0.179**	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00251**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0251**	<0.0100	**0.0450**	<0.00100	<0.00100	**0.349**	**0.0898**
	2/20/2020	**0.00846**	**0.0326**	**0.0313**	**0.0248**	**0.113**	**0.138**	<0.0500	<0.00100	**0.00407**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00229**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0208**	<0.0100	**0.0431**	<0.00100	<0.00100	**0.322**	**0.0918**
	2/28/2020	**0.00895**	**0.0351**	**0.0374**	**0.0251**	**0.124**	**0.149**	<0.250	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	NA	<0.00500	<0.00500	<0.00500	<0.00500	**<0.0250**	<0.00500	<0.00500	<0.0250	**0.0249**	**<0.0500**	**0.0488**	<0.00500	<0.00500	**0.358**	**0.0989**
	3/6/2020	**0.00830**	**0.0313**	**0.0346**	**0.0228**	**0.114**	**0.137**	<0.0500	**0.00374**	**0.00467**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00254**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0231**	<0.0100	**0.0472**	<0.00100	<0.00100	**0.378**	**0.0948**
	3/13/2020	**0.00781**	**0.0302**	**0.0330**	**0.0203**	**0.109**	**0.129**	<0.0500	**0.00153**	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00247**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0224**	<0.0100	**0.0428**	<0.00100	<0.00100	**0.277**	**0.0875**
	3/18/2020	**0.00746**	**0.0279**	**0.0304**	**0.0174**	**0.0981**	**0.116**	<0.0500	**0.00311**	**0.00400**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00224**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0199**	<0.0100	**0.0365**	<0.00100	<0.00100	**0.275**	**0.0777**
	3/27/2020	**0.00641**	**0.0151**	**0.0247**	**0.0132**	**0.0737**	**0.0869**	<0.0500	**0.00122**	**0.00345**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00189**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0166**	<0.0100	**0.0336**	<0.00100	<0.00100	**0.261**	**0.0721**
	4/3/2020	**0.00625**	**0.0129**	**0.0250**	**0.0130**	**0.0745**	**0.0875**	<0.0500	**0.00120**	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00209**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0174**	<0.0100	**0.0363**	<0.00100	<0.00100	**0.273**	**0.0756**
	4/10/2020	**0.00689**	**0.0327**	**0.0277**	**0.0159**	**0.0924**	**0.108**	<0.0500	**0.00253**	**0.00338**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00188**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0171**	<0.0100	**0.0300**	<0.00100	<0.00100	**0.264**	**0.0580**
	4/17/2020	**0.00610**	**0.0258**	**0.0253**	**0.0141**	**0.0814**	**0.0955**	<0.0500	**0.00238**	**0.00321**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00175**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0164**	<0.0100	**0.0280**	<0.00100	<0.00100	**0.220**	**0.0562**
	4/24/2020	**0.00550**	**0.0241**	**0.0225**	**0.0125**	**0.0756**	**0.0881**	<0.0500	<0.00100	**0.00297**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00179**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0148**	<0.0100	**0.0251**	<0.00100	<0.00100	**0.199**	**0.0526**
	5/1/2020	**0.00606**	**0.0277**	**0.0237**	**0.0129**	**0.0773**	**0.0902**	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00159**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0143**	<0.0100	**0.0242**	<0.00100	<0.0100	**0.185**	**0.0513**
	5/7/2020	**0.00524**	**0.0168**	**0.0211**	**0.0108**	**0.0655**	**0.0763**	<0.0500	<0.00100	**0.00306**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00171**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0138**	<0.0100	**0.0270**	<0.00100	<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	<0.00100	NA	<0.00100	<0.00100	**0.00191**	<0.00100	<0.00500	<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	<0.00100	NA	<0.00100	<0.00100	**0.00194**	<0.00100	<0.00500	<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	<0.00100	NA	<0.00100	<0.00100	**0.00164**	<0.00100	<0.00500	<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	<0.00100	NA	<0.00100	<0.00100	**0.00155**	<0.00100	<0.00500	<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	<0.00100	NA	<0.00100	<0.00100	**0.00154**	<0.00100	<0.00500	<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	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00145**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0130**	<0.0100	**0.0162**	<0.00100	<0.00100	**0.121**	**0.0336**
	6/23/2020	**0.00599**	**0.0311**	**0.0232**	**0.0116**	**0.0771**	**0.0887**	<0.0500	**0.00103**	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00153**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0137**	<0.0100	**0.0193**	<0.00100	<0.00100	**0.135**	**0.0385**
	6/30/2020	**0.00720**	**0.0450**	**0.0276**	**0.0138**	**0.0923**	**0.106**	<0.0500	**0.00105**	**0.00306**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00176**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0152**	<0.0100	**0.0169**	<0.00100	<0.00100	**0.119**	**0.0339**
	7/9/2020	**0.00529**	**0.0272**	**0.0203**	**0.0103**	**0.0700**	**0.0803**	<0.0500	<0.00100	**0.00253**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00136**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0118**	<0.0100	**0.0156**	<0.00100	<0.00100	**0.118**	**0.0328**
	7/16/2020	**0.00536**	**0.0316**	**0.0204**	**0.0103**	**0.0684**	**0.0787**	<0.0500	**0.00148**	**0.00252**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00133**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0117**	<0.0100	**0.0142**	<0.00100	<0.00100	**0.0944**	**0.0273**
	7/23/2020	**0.00452**	**0.0268**	**0.0174**	**0.00895**	**0.0602**	**0.0692**	<0.0500	<0.00100	**0.00199**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00112**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.00991**	<0.0100	**0.0113**	<0.00100	<0.00100	**0.0775**	**0.0224**
	7/30/2020	**0.00539**	**0.0302**	**0.0197**	**0.0100**	**0.0641**	**0.0741**	<0.0500	<0.00100	**0.00210**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00123**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0111**	<0.0100	**0.0124**	<0.00100	<0.00100	**0.0751**	**0.0215**
	8/7/2020	**0.00558**	**0.0300**	**0.0200**	**0.00987**	**0.0628**	**0.0727**	<0.0500	<0.00100	**0.00215**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00114**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0110**	<0.0100	**0.0118**	<0.00100	<0.00100	**0.0707**	**0.0209**
	8/13/2020	**0.00533**	**0.0300**	**0.0195**	**0.00978**	**0.0622**	**0.0720**	<0.0500	<0.00100	**0.00196**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00115**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0107**	<0.0100	**0.0119**	<0.00100	<0.00100	**0.0710**	**0.0206**
	8/20/2020	**0.00749**	**0.0400**	**0.0269**	**0.0128**	**0.0864**	**0.0992**	<0.0500	<0.00100	**0.00292**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00168**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0150**	<0.0100	**0.0161**	<0.00100	<0.00100	**0.0988**	**0.0295**
	8/27/2020	**0.00190**	**0.0101**	**0.00678**	**0.00322**	**0.0205**	**0.0237**	<0.0500	<0.00100	**0.00104**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.00403**	<0.0100	**0.00459**	<0.00100	<0.00100	**0.0230**	**0.00758**
	9/2/2020	**0.00365**	**0.0199**	**0.0132**	**0.00646**	**0.0412**	**0.0477**	<0.0500	<0.00100	**0.00165**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.00749**	<0.0100	**0.00761**	<0.00100	<0.00100	**0.0483**	**0.0410**
	9/10/2020	**0.00676**	**0.0358**	**0.0246**	**0.0115**	**0.0760**	**0.0875**	<0.0500	<0.00100	**0.00271**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00150**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0132**	<0.0100	**0.0136**	<0.00100	<0.00100	**0.0785**	**0.0226**
	9/17/2020	**0.00700**	**0.0381**	**0.0266**	**0.0136**	**0.0849**	**0.0985**	<0.0500	<0.00100	**0.00285**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00163**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0146**	<0.0100	**0.0147**	<0.00100	<0.00100	**0.0921**	**0.0262**
	9/25/2020	**0.00765**	**0.0415**	**0.0282**	**0.0139**	**0.0909**	**0.105**	<0.0500	<0.00100	**0.00307**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00169**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0157**	<0.0100	**0.0145**	<0.00100	<0.00100	**0.0860**	**0.0251**
	10/1/2020	**0.00787**	**0.0422**	**0.0305**	**0.0151**	**0.0962**	**0.1110**	<0.0500	**0.00191**	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00198**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0167**	<0.0100	**0.0175**	<0.00100	<0.00100	**0.102**	**0.0303**
	10/9/2020	**0.00348**	**0.0191**	**0.0123**	**0.00619**	**0.0394**	**0.0456**	<0.0500	<0.00100	**0.00134**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0069**	<0.0100	**0.0058**	<0.00100	<0.00100	**0.0350**	**0.0102**
	10/16/2020	**0.00622**	**0.0325**	**0.0235**	**0.0110**	**0.0739**	**0.0840**	<0.0500	<0.00100	**0.00274**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00145**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0135**	<0.0100	**0.0124**	<0.00100	<0.00100	**0.0730**	**0.0213**
	11/24/2020	**0.00729**	**0.0363**	**0.0264**	**0.0128**	**0.0830**	**0.09580**	<0.0500	<0.00100	**0.00276**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00147**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0145**	<0.0100	**0.0109**	<0.00100	<0.00100	**0.0641**	**0.0192**
	12/4/2020	**0.00384**	**0.0193**	**0.0143**	**0.0065**	**0.0429**	**0.04937**	<0.0500	0.00121	**0.00179**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00110**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0080**	<0.0100	**0.0061**	<0.00100	<0.00100	**0.0309**	**0.0101**
	12/11/2020	**0.00869**	**0.0482**	**0.0319**	**0.01620**	**0.102**	**0.1182**	<0.0500	<0.00100	**0.00324**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00182**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0167**	<0.0100	**0.0132**	<0.00100	<0.00100	**0.0792**	**0.0232**
	12/18/2020	**0.00941**	**0.0736**	**0.0339**	**0.0194**	**0.131**	**0.150**	<0.0500	**0.00187**	**0.00307**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00184**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0169**	<0.0100	**0.00981**	<0.00100	<0.00100	**0.0439**	**0.0148**
	12/23/2020	**0.00872**	**0.0739**	**0.0323**	**0.0196**	**0.126**	**0.146**	<0.0500	**0.00148**	**0.00227**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00128**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0153**	<0.0100	**0.00768**	<0.00100	<0.00100	**0.0375**	**0.0124**
	12/30/2020	**0.00709**	**0.0560**	**0.0260**	**0.0153**	**0.0998**	**0.115**	<0.0500	**0.00143**	**0.00237**	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	**0.00133**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0127**	<0.0100	**0.00719**	<0.00100	<0.00100	**0.0340**	**0.0113**

ENSOLUM

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

Sample Designation	Date	VOCs (mg/l)																										
		Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	Total Xylenes	Methyl ethyl ketone (2-Butanone)	n-Butylbenzene	Sec-Butylbenzene	tert-Butylbenzene	Tetrachloroeth(ylene	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	p-Cymene (p-Isopropyltoluene)	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,2-Dichloroeth(yl)ene	1,4-Dichlorobenzene	1,1-Dichloropropene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,1,2-Trichloroethane	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		0.005	1	0.7	NE	NE	0.62	NE	NE	NE	NE	0.005	0.1	NE	NE	NE	NE	0.005	0.005	NE	0.075	NE	NE	0.03	NE	0.01	0.1	NE	NE
Levey Well	1/6/2021	0.00661	0.0494	0.0239	0.0141	0.0930	0.107	<0.0500	<0.00100	0.00233	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00140	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0122	<0.0100	0.00710	<0.00100	<0.00100	0.0334	0.0113
	1/12/2021	0.00362	0.0206	0.0168	0.00849	0.0547	0.0632	<0.0500	0.00159	0.00278	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00157	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0105	<0.0100	0.00959	<0.00100	<0.00100	0.0540	0.0174
	1/20/2021	0.00621	0.0383	0.0245	0.0137	0.0884	0.102	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00159	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0135	<0.0100	0.00920	<0.00100	<0.00100	0.0470	0.0152
	1/25/2021	0.0102	0.0717	0.0337	0.0195	0.130	0.150	<0.0500	0.00167	0.00287	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00162	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0162	<0.0100	0.00914	<0.00100	<0.00100	0.0455	0.0149
	1/25/2021	0.00689	0.0353	0.0243	0.0113	0.0733	0.0846	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00145	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0127	<0.0100	0.0115	<0.00100	<0.00100	0.0687	0.0205
	1/25/2021	0.00693	0.0342	0.0251	0.0113	0.0737	0.0850	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00146	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0133	<0.0100	0.0124	<0.00100	<0.00100	0.0738	0.0218
	1/27/2021	0.00186	0.00398	0.0101	0.00322	0.0219	0.0251	<0.0500	0.00110	0.00169	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.00618	<0.0100	0.0125	<0.00100	<0.00100	0.0743	0.0224
	2/3/2021	0.00208	0.00551	0.0120	0.00438	0.0262	0.0306	<0.0500	<0.00100	0.00195	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00101	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.00756	<0.0100	0.0156	<0.00100	<0.00100	0.0945	0.0282
	2/10/2021	0.00743	0.0531	0.0280	0.0157	0.104	0.120	<0.0500	0.00140	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00145	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0142	<0.0100	0.00876	<0.00100	<0.00100	0.0448	0.0143
	2/24/2021	0.00800	0.0593	0.0287	0.0177	0.109	0.127	<0.0500	<0.00100	0.0024	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00142	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0140	<0.0100	0.00808	<0.00100	<0.00100	0.0408	0.0132
	3/4/2021	0.00566	0.0446	0.0222	0.0133	0.0869	0.100	<0.0500	<0.00100	0.00187	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00110	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0105	<0.0100	0.00694	<0.00100	<0.00100	0.0390	0.0119
	3/10/2021	0.00850	0.0668	0.0314	0.0194	0.126	0.145	<0.0500	<0.00100	0.00270	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	0.00176	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0156	<0.0100	0.00898	<0.00100	<0.00100	0.0466	0.0150
	3/17/2021	0.00789	0.0563	0.0273	0.0168	0.103	0.120	0.0253 J	0.000840 J	0.00239	<0.000195	<0.00100	<0.00100	NA	<0.000214	<0.000183	0.00139	<0.000285	<0.00500	<0.000174	<0.00100	<0.000481	0.0129	<0.00200	0.00830	<0.000228	<0.000162	0.0427	0.0135
	3/25/2021	0.00785	0.0585	0.0276	0.0175	0.109	0.127	0.0206 J	0.00129	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<0.00100	<0.00100	0.00143	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.0141	<0.0100	0.00779	<0.00100	<0.00100	0.0416	<0.00100
	3/31/2021	0.00661	0.0459	0.0243	0.0143	0.0857	0.100	<0.00270	<0.000286	<0.000199	<0.000195	<0.00100	<0.00100	<0.0100	0.00302	<0.000183	0.00144	<0.000244	<0.00500	<0.000174	<0.00100	<0.000481	0.0129	<0.00200	0.00840	<0.000228	<0.000162	0.0422	0.01370
	4/8/2021	0.00231	0.00502	0.0106	0.00358	0.0227	0.0263	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<0.00100	<0.00100	0.00103	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.00689	<0.0100	0.0148	<0.00100	<0.00100	0.0951	0.0639
	4/15/2021	0.00238	0.00491	0.0109	0.00364	0.0266	0.0302	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<0.00100	<0.00100	0.00109	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.00733	<0.0100	0.0162	<0.00100	<0.00100	0.111	<0.00100
	4/21/2021	0.00214	0.00431	0.00957	0.00340	0.0198	0.0232	<0.00270	<0.000286	0.00181	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00103	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00658	<0.00200	0.0149	<0.000228	<0.000623	0.109	0.0631
	4/28/2021	0.00888	0.0652	0.0325	0.0201	0.121	0.141	0.0198 J	<0.000286	0.00259	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00163	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.0161	<0.00200	0.00855	<0.000228	<0.000623	0.0431	0.0138
	5/5/2021	0.00808	0.0527	0.0257	0.0160	0.0935	0.110	<0.00270	0.00135	0.00232	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00130	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.0121	<0.00200	0.00760	<0.000228	<0.000623	0.0414	<0.000279
	5/13/2021	0.00176	0.00332	0.00899	0.00297	0.0187	0.0217	<0.00270	0.00109	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000802 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00592	<0.00200	0.0139	<0.000228	<0.000623	0.0828	0.0239
	5/19/2021	0.00760	0.0603	0.0296	0.0182	0.112	0.130	0.0188 J	<0.000286	0.00254	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00157	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00139	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00160	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	0.00195	0.0126	<0.000214	<0.000183	0.000716 J	<0.000285	<0.000396	<0.000174	<0.000199	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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000757 J	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000682 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00499	<0.00200	0.0111	<0.000228	<0.000623	0.0714	0.0208
	6/30/2021	0.00163	0.00169	0.00698	0.00145	0.0143	0.0158	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000843 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00484	<0.00200	0.0128	<0.000228	<0.000623	0.0855	0.0247
	7/1/2021	Levey Well Now Running Full Time																											
	7/7/2021	0.00456	0.0252	0.0175	0.00765	0.0555	0.0632	0.00587 J	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00117	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00928	<0.00200	0.0119	<0.000228	<0.000623	0.0785	0.0224
	7/14/2021	0.00568	0.0325	0.0228	0.00991	0.0739	0.0838	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00162	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.0124	<0.00200	0.0146	<0.000228	<0.000623	0.0959	0.0287
	7/20/2021	0.00574	0.0332	0.0232	0.0106	0.0758	0.0864	<0.00270	<0.000286	0.00265	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00163	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.0126	<0.00200	0.0142	<0.000228	<0.000623	0.0914	0.0276
	7/27/2021	0.00493	0.0286	0.0190	0.00927	0.0640	0.0733	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00116	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00965	<0.00200	0.0104	<0.000228	<0.000623	0.0748	0.0215
	8/5/2021	0.00510	0.0319	0.0203	0.00967	0.0690	0.0787	<0.00270	0.00170	0.00236	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00141	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.0110	<0.00200	0.0122	<0.000228	<0.000623	0.0781	0.0236
	8/11/2021	0.00594	0.0400	0.0245	0.0121	0.0864	0.0985	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00168	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.0131	<0.00200	0.0143	<0.000228	<0.000623	0.0950	0.0279
	8/19/2021	0.00307	0.0240	0.0119	0.00625	0.0420	0.0483	0.00782 J	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000882 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00636	<0.00200	0.00534	<0.000228	<0.000623	0.0323	0.00981
	8/25/2021	0.00419	0.0283	0.0159	0.00846	0.0573	0.0658	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00109	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00819	<0.00200	0.00739	<0.000228	<0.000623	0.0507	0.0138
	9/2/2021	0.00156	0.00614	0.00606	0.00182	0.0157	0.0175	<0.00270	0.000735 J	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000768 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00465	<0.00200	0.00707	<0.000228	<0.000623	0.0533	0.0169
	9/8/2021	0.00433	0.0302	0.0161	0.00848	0.0610	0.0695	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000975 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00786	<0.00200	0.00775	<0.000228	<0.000623	0.0570	<0.000279
	9/14/2021	0.00510	0.0368	0.0206	0.0114	0.0752	0.0866	<0.00270	0.00129	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00125	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.0104	<0.00200	0.00955	<0.000228	<0.000623	0.0657	0.0181
	9/21/2021	0.00431	0.0298	0.0171	0.00920	0.0633	0.0725	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00110	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00882	<0.00200	0.00838	<0.000228	<0.000623	0.0649	0.0179
	9/29/2021	0.00314	0.0236	0.0123	0.00686	0.0476	0.0545	0.00784 J	<0.000286	0.00127	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000797 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00606	<0.00200	0.00486	<0.000228	<0.000623	0.0351	0.0103
	10/7/2021	0.00353	0.0263	0.0139	0.00762	0.0517	0.0593	0.00592 J	<0.000286	0.00142	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000854 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00674	<0.00200	0.00605	<0.000228	<0.000623	0.0454	0.0128
	10/13/2021	0.00286	0.0213	0.0111	0.00978	0.0695	0.0793	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00114	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00566	<0.00200	0.00814	<0.000228	<0.000623	0.0388	0.0110
	10/21/2021	0.00280	0.0214	0.0114	0.00624	0.0419	0.0481	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000746 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00564	<0.00200	0.00476	<0.000228	<0.000623	0.0359	0.0104
	10/27/2021	0.00220	0.0138	0.00867	0.00414	0.0306	0.0347	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000615 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00462	<0.00200	0.00485	<0.000228	<0.000623	0.0430	0.0120
	11/5/2021	0.00286	0.0223	0.0115	0.00643	0.0428	0.0492	0.00462 J	<0.000286	<0.000199	<0.000195	<0.00100	<0.000259	<0.000318	<0.000214	<0.000183	0.000688 J	<0.000285	<0.000396	<0.000174	<0.00100	<0.000481	0.00552	<0.00200	0.00371	<0.000228	<0.000623	0.0288	0.00852
	11/11/2021	0.00218	0.0150	0.00928	0.00454	0.0330	0.0375	<0.00270	0.000916 J	0.00128	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00141	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00534	<0.00200	0.00436	<0.000228	<0.000623	0.0423	0.0118
	11/18/2021	0.00401	0.0334	0.0162	0.00932	0.0626	0.0719	<0.00270	<0.000286	0.00181	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00112	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00800	<0.00200	0.00543	<0.000228	<0.000623	0.0398	0.0119
	11/24/2021	0.00331	0.0267	0.0130	0.00783	0.0522	0.0600	0.00520 J	<0.00100	<0.00100	<0.00100	<0.000500	<0.00100	<0.0100	<0.00100	<0.00100	0.000773 J	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	0.00616	<0.0100	0.00348	<0.00100	<0.00100	0.0230	0.00670
	12/1/2021	0.00256	0.0200	0.0101	0.00564	0.0387	0.0443	0.00324 J	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000637 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00498	<0.00200	0.00280	<0.000228	<0.000623	0.0208	0.00622
	12/8/2021	0.00402	0.0320	0.0164	0.00969	0.0631	0.0728	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00106	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00794	<0.00200	0.00465	<0.000228	<0.000623	0.0341	0.00992
	12/16/2021	0.00323	0.0261	0.0140	0.00818	0.0535	0.0617	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000915 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00678	<0.00200	0.00392	<0.000228	<0.000623	0.0309	0.00899
	12/22/2021	0.00289	0.0219	0.0105	0.00587	0.0408	0.0467	0.00428 J	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.000683 J	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.00508	<0.00200	0.00279	<0.000228	<0.000623	0.0183	0.00553
	12/29/2021	0.00611	0.0474	0.0230	0.0143	0.0886	0.103	<0.00270	0.00130	0.00199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	0.00128	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	0.0110	<0.00200	0.00544	<0.000228	<0.000623	0.0291	0.00913

ENSOLUM

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

Sample Designation	Date	VOCs (mg/l)																											
		Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	Total Xylenes	Methyl ethyl ketone (2-Butanone)	n-Butylbenzene	Sec-Butylbenzene	tert-Butylbenzene	Tetrachloroeth(ylene	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	p-Cymene (p-Isopropyltoluene)	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,2-Dichloroeth(yl)ene	1,4-Dichlorobenzene	1,1-Dichloropropene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,1,2-Trichloroethane	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		**0.005**	**1**	**0.7**	**NE**	**NE**	**0.62**	**NE**	**NE**	**NE**	**NE**	**0.005**	**0.1**	**NE**	**NE**	**NE**	**NE**	**0.005**	**0.005**	**NE**	**0.075**	**NE**	**NE**	**0.03**	**NE**	**0.01**	**0.1**	**NE**	**NE**
Levey Well	1/6/2022	**0.000940 J**	**0.00568**	**0.00394**	**0.00181**	**0.0134**	**0.0152**	<0.00270	<0.000286	**0.000577 J**	<0.000195	**0.000654 J**	<0.000259	<0.000318	<0.000214	<0.000183	**0.000397 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00213**	<0.00200	**0.00127**	<0.000228	<0.000623	**0.0168**	**0.00498**
	1/12/2022	**0.00260**	**0.0190**	**0.01020**	**0.00573**	**0.0381**	**0.0438**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000621 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00707**	<0.00200	**0.00273**	<0.000228	<0.000623	**0.0197**	<0.000279
	1/19/2022	**0.00684**	**0.0520**	**0.0252**	**0.0158**	**0.0980**	**0.114**	**0.00679 J**	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00123**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0118**	<0.00200	**0.00592**	<0.000228	<0.000623	**0.0296**	**0.00947**
	1/26/2022	**0.00264**	**0.0206**	**0.0103**	**0.00604**	**0.0392**	**0.0452**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000568 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00507**	<0.00200	**0.00258**	<0.000228	<0.000623	**0.0139**	**0.00433**
	2/2/2022	Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze.																											
	2/8/2022	**0.00288**	**0.0228**	**0.0122**	**0.00697**	**0.0458**	**0.0528**	**0.0112 J**	<0.000286	**0.00125**	<0.000195	**0.00194**	<0.000259	<0.000318	<0.000214	<0.000183	**0.000813 J**	<0.000285	<0.000396	<0.000174	**0.000211 J**	<0.000481	**0.00591**	<0.00200	**0.00329**	<0.000228	<0.000623	**0.0228**	**0.00693**
	2/16/2022	**0.000814 J**	**0.00676**	**0.00397**	**0.00212**	**0.0142**	**0.0163**	<0.00270	<0.000286	<0.000199	<0.000195	**0.00175**	<0.000259	<0.000318	<0.000214	<0.000183	**0.000336 J**	<0.000285	**0.000534 J**	<0.000174	<0.000199	<0.000481	**0.00202**	<0.00200	**0.00130**	<0.000228	<0.000623	**0.00924**	**0.00283**
	2/25/2022	**0.00370**	**0.0196**	**0.0133**	**0.00750**	**0.0489**	**0.0564**	**0.00976 J**	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000696 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00626**	<0.00200	**0.00308**	<0.000228	<0.000623	**0.0131**	**0.00450**
	3/3/2022	**0.00462**	**0.0327**	**0.0162**	**0.00973**	**0.0634**	**0.0731**	**0.0180 J**	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000710 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00731**	<0.00200	**0.00342**	<0.000228	<0.000623	**0.0140**	**0.00470**
	3/9/2022	**0.00552**	**0.0388**	**0.0204**	**0.0124**	**0.0768**	**0.0892**	<0.00270	**0.00169**	**0.00180**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00109**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00966**	<0.00200	**0.00484**	<0.000228	<0.000623	**0.0226**	**0.00720**
	3/14/2022	Booster Pump for Levey Well Repaired and Back on Running Full Time.																											
	3/16/2022	**0.00283**	**0.0227**	**0.0106**	**0.00619**	**0.0409**	**0.0471**	<0.00270	<0.000286	**0.000916 J**	<0.000195	**0.00174**	<0.000259	<0.000318	<0.000214	<0.000183	**0.000550 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00477**	<0.00200	**0.00238**	<0.000228	<0.000623	**0.0114**	**0.00388**
	3/24/2022	**0.00236**	**0.0178**	**0.00867**	**0.00491**	**0.0341**	**0.0390**	<0.00270	**0.000553 J**	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000509 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00409**	<0.00200	**0.00208**	<0.000228	<0.000623	**0.0101**	**0.00323**
	3/31/2022	**0.00254**	**0.0197**	**0.00985**	**0.00574**	**0.0371**	**0.0428**	**0.00431 J**	<0.000286	**0.000932 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000605 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00482**	<0.00200	**0.00233**	<0.000228	<0.000623	**0.0121**	**0.00390**
	4/6/2022	**0.00282**	**0.0215**	**0.0106**	**0.00647**	**0.0405**	**0.0470**	**0.00381 J**	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000581 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00491**	<0.00200	**0.00250**	<0.000228	<00000623	**0.0125**	**0.00386**
	4/13/2022	**0.00148**	**0.0113**	**0.00559**	**0.00334**	**0.0211**	**0.0244**	<0.00270	<0.000286	<0.000199	<0.000195	**0.000531 J**	<0.000259	<0.000318	<0.000214	<0.000183	**0.000351 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00269**	<0.00200	**0.00153**	<0.000228	<00000623	**0.00856**	**0.00264**
	4/20/2022	**0.000594 J**	**0.00776**	**0.00375**	**0.00212**	**0.0158**	**0.0179**	<0.00270	<0.000286	**0.000408 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000239 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00196**	<0.00200	**0.000651 J**	<0.000228	<0.000623	**0.00643**	**0.00156**
	4/28/2022	**0.00151**	**0.0112**	**0.00540**	**0.00323**	**0.0207**	**0.0239**	<0.00270	<0.000286	**0.000523 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00238**	<0.00200	**0.00133**	<0.000228	<0.000623	**0.00733**	**0.00242**
	5/5/2022	**0.00294**	**0.0275**	**0.0130**	**0.00761**	**0.0515**	**0.0591**	<0.00270	<0.000286	**0.00117**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000709 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00600**	<0.00200	**0.00265**	<0.000228	<0.000623	**0.0145**	**0.00440**
	5/10/2022	**0.00343**	**0.0282**	**0.0132**	**0.00821**	**0.0517**	**0.0599**	<0.00270	<0.000286	**0.00119**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000652 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00630**	<0.00200	**0.00301**	<0.000228	<0.000623	**0.0148**	**0.00463**
	5/19/2022	**0.00285**	**0.0228**	**0.0107**	**0.00633**	**0.0424**	**0.0487**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000527 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00521**	<0.00200	**0.00232**	<0.000228	<0.000623	**0.0102**	**0.00345**
	5/26/2022	**0.00431**	**0.0360**	**0.0171**	**0.0109**	**0.0679**	**0.0788**	<0.00270	<0.000286	**0.00153**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000918 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00840**	<0.00200	**0.00391**	<0.000228	<0.000623	**0.0182**	**0.00580**
	6/1/2022	**0.00296**	**0.0233**	**0.0107**	**0.00653**	**0.0423**	**0.0488**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000538 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00499**	<0.00200	**0.00212**	<0.000228	<0.000623	**0.00987**	**0.00337**
	6/9/2022	**0.00228**	**0.0182**	**0.00874**	**0.00514**	**0.0352**	**0.0403**	<0.00270	**0.000536 J**	**0.000776 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000539 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00436**	<0.00200	**0.00197**	<0.000228	<0.000623	**0.00847**	**0.00271**
	6/17/2022	**0.00368**	**0.0282**	**0.0141**	**0.00881**	**0.0544**	**0.0632**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000744 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00678**	<0.00200	**0.00340**	<0.000228	<0.000623	**0.0152**	**0.00482**
	6/23/2022	**0.00344**	**0.0304**	**0.0149**	**0.00959**	**0.0599**	**0.0695**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000733 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00715**	<0.00200	**0.00313**	<0.000228	<0.000623	**0.0161**	**0.00509**
	6/29/2022	**0.00340**	**0.0286**	**0.0137**	**0.00879**	**0.0558**	**0.0646**	<0.00270	<0.000286	<0.000199	**0.00122**	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000651 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00632**	<0.00200	**0.00274**	<0.000228	<0.000623	**0.0140**	**0.00428**
	7/7/2022	**0.00219**	**0.0165**	**0.00779**	**0.00481**	**0.0314**	**0.0362**	**0.00545 J**	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000399 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00372**	<0.00200	**0.00172**	<0.000228	<0.000623	**0.00732**	**0.00234**
	7/13/2022	**0.00201**	**0.0151**	**0.00698**	**0.00430**	**0.0283**	**0.0326**	**0.00523 J**	**0.000406 J**	<0.000199	<0.000195	<0.000424	<0.000259	<0.000318	<0.000214	<0.000183	**0.000384 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00327**	<0.00200	**0.00167**	<0.000228	<0.000623	**0.00669**	**0.00223**
	7/20/2022	**0.00431**	**0.0348**	**0.0166**	**0.0107**	**0.0692**	**0.0799**	<0.00270	**0.000557 J**	<0.000199	<0.000195	<0.000424	<0.000259	<0.000318	<0.000214	<0.000183	**0.000703 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00764**	<0.00200	**0.00360**	<0.000228	<0.000623	**0.0179**	**0.00557**
	7/27/2022	**0.00437**	**0.0327**	**0.0157**	**0.00998**	**0.0617**	**0.0717**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00744**	<0.00135	**0.00345**	<0.000511	<0.000655	**0.0158**	**0.00490**
	8/4/2022	**0.00264**	**0.0192**	**0.00908**	**0.00555**	**0.0354**	**0.0410**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00422**	<0.00135	**0.00207**	<0.000511	<0.000655	**0.00853**	**0.00272**
	8/10/2022	**0.00308**	**0.0225**	**0.0105**	**0.00645**	**0.0410**	**0.0475**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00484**	<0.00135	**0.00245**	<0.000511	<0.000655	**0.00976**	**0.00298**
	8/18/2022	**0.00304**	**0.0261**	**0.0124**	**0.00795**	**0.0495**	**0.0575**	<0.00828	<0.000644	**0.00104**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00589**	<0.00135	**0.00280**	<0.000511	<0.000655	**0.0131**	**0.00410**
	8/24/2022	**0.00372**	**0.0296**	**0.0139**	**0.00885**	**0.0564**	**0.0653**	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<0.00200	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.00657**	<0.0100	**0.00295**	<0.00100	<0.00100	**0.0131**	**0.00431**
	8/31/2022	**0.00443**	**0.0320**	**0.0155**	**0.00977**	**0.0632**	**0.0730**	<0.00828	<0.000644	**0.00179**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	**0.00134**	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00752**	<0.00135	**0.00375**	<0.000511	<0.000655	**0.0149**	**0.00504**
	9/15/2022	**0.00267**	**0.0204**	**0.00952**	**0.00594**	**0.0378**	**0.0437**	<0.00828	<0.000644	**0.000792 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00459**	<0.00135	**0.00203**	<0.000511	<0.000655	**0.00863**	**0.00281**
	9/22/2022	**0.00245**	**0.0186**	**0.00866**	**0.00543**	**0.0354**	**0.0408**	<0.00828	<0.000644	**0.000740 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00424**	<0.00135	**0.00193**	<0.000511	<0.000512	**0.00734**	**0.00250**
	9/28/2022	**0.00237**	**0.0189**	**0.00848**	**0.00532**	**0.0341**	**0.0394**	<0.00828	<0.000644	**0.000715 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00413**	<0.00136	**0.00179**	<0.000511	<0.000512	**0.00707**	**0.00226**
	10/4/2022	**0.00269**	**0.0221**	**0.0104**	**0.00620**	**0.0427**	**0.0489**	<0.00828	<0.000644	**0.000944 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00492**	<0.00135	**0.00239**	<0.000511	<0.000655	**0.00963**	**0.00304**
	10/14/2022	**0.00314**	**0.0232**	**0.0105**	**0.00624**	**0.0429**	**0.0491**	<0.00828	<0.000644	**0.000856 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00494**	<0.00135	**0.00233**	<0.000511	<0.000655	**0.00932**	**0.00306**
	10/19/2022	**0.00241**	**0.0175**	**0.00791**	**0.00477**	**0.0332**	**0.0380**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00396**	<0.00135	**0.00177**	<0.000511	<0.000655	**0.00751**	**0.00245**
	10/27/2022	**0.00341**	**0.0282**	**0.0136**	**0.00861**	**0.0556**	**0.0642**	<0.00828	<0.000644	**0.00185**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	**0.00150**	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00646**	<0.00135	**0.00336**	<0.000511	<0.000655	**0.0143**	**0.00503**
	11/2/2022	**0.00267**	**0.0199**	**0.00893**	**0.00571**	**0.0364**	**0.0421**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00447**	<0.00135	**0.00204**	<0.000511	<0.000655	**0.00812**	**0.00266**
	11/9/2022	**0.00258**	**0.0191**	**0.00876**	**0.00552**	**0.0351**	**0.0406**	<0.00828	<0.000644	**0.000814 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00417**	<0.00135	**0.00193**	<0.000511	<0.000655	**0.00784**	**0.00264**
	11/16/2022	**0.00271**	**0.0204**	**0.00980**	**0.00594**	**0.0391**	**0.0450**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00470**	<0.00135	**0.00223**	<0.000511	<0.000655	**0.00910**	**0.00291**
	11/30/2022	**0.00246**	**0.0178**	**0.00900**	**0.00573**	**0.0354**	**0.0411**	<0.00828	<0.000644	**0.000875 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00436**	<0.00135	**0.00204**	<0.000511	<0.000655	**0.00919**	**0.00268**
	12/9/2022	**0.00200**	**0.0162**	**0.00774**	**0.00489**	**0.0311**	**0.0360**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00375**	<0.00135	**0.00165**	<0.000511	<0.000655	**0.00714**	**0.00229**
	12/15/2022	**0.00192**	**0.0143**	**0.00680**	**0.00446**	**0.0279**	**0.0324**	<0.00828	<0.000644	**0.000643 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00329**	<0.00135	**0.00151**	<0.000511	<0.000655	**0.00637**	**0.00213**
	12/21/2022	**0.00236**	**0.0176**	**0.00811**	**0.00507**	**0.0332**	**0.0383**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00425**	<0.00135	**0.00204**	<0.000511	<0.000655	**0.00891**	**0.00275**
	12/29/2022	**0.00325**	**0.0244**	**0.0122**	**0.00793**	**0.0485**	**0.0564**	<0.00828	<0.000644	**0.00119**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00601**	<0.00135	**0.00294**	<0.000511	<0.000655	**0.0127**	**0.00393**
	1/4/2023	Electrical Failure, Unable to Sample.																											
	1/13/2023	**0.00344**	**0.0290**	**0.0135**	**0.00827**	**0.0558**	**0.0641**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00668**	<0.00135	**0.00303**	<0.000511	<0.000655	**0.0120**	**0.00408**
	1/19/2023	**0.00418**	**0.0357**	**0.0146**	**0.00899**	**0.0602**	**0.0692**	<0.00828	<0.000644	**0.00135**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00684**	<0.00135	**0.00313**	<0.000511	<0.000655	**0.0114**	**0.00396**
	1/25/2023	**0.00589**	**0.0498**	**0.0228**	**0.0139**	**0.0938**	**0.1080**	<0.00828	**0.00112**	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	**0.00108**	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.0112**	<0.00135	**0.00495**	<0.000511	<0.000655	**0.0198**	**0.00669**

ENSOLUM

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

Sample Designation	Date	VOCs (mg/l)																										
		Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	Total Xylenes	Methyl ethyl ketone (2-Butanone)	n-Butylbenzene	Sec-Butylbenzene	tert-Butylbenzene	Tetrachloroeth(y)ene	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	p-Cymene (p-Isopropyltoluene)	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,2-Dichloroeth(y)ene	1,4-Dichlorobenzene	1,1-Dichloropropene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,1,2-Trichloroethane	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		**0.005**	**1**	**0.7**	**NE**	**NE**	**0.62**	**NE**	**NE**	**NE**	**NE**	**0.005**	**0.1**	**NE**	**NE**	**NE**	**NE**	**0.005**	**0.005**	**NE**	**0.075**	**NE**	**NE**	**0.03**	**NE**	**0.01**	**0.1**	**NE**	**NE**
MW-1	5/26/2020	**0.000500 J**	<0.000500	<0.000146	<0.000192	**0.00215 J**	**0.00215**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000162	**0.00101**	**0.0005 J**
	6/30/2020	**0.00275**	<0.00100	<0.00100	<0.00100	**0.0136**	**0.0136**	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	<0.00100	<0.0100	<0.00100	<0.00100	<0.00100	**0.00665**	**0.00271**
	8/20/2020	**0.00222**	<0.00100	<0.00100	<0.00100	<0.0100	<0.00100	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	<0.00100	<0.0100	<0.00100	<0.00100	<0.00100	**0.00388**	**0.00175**
	10/23/2020	**0.00353**	<0.000367	<0.000657	<0.000642	**0.00246 J**	**0.00246**	NA																					
	11/24/2020	**0.00241**	<0.000500	**0.000310 J**	<0.000192	**0.00133 J**	**0.001330**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000162	**0.00151**	**0.000820 J**
	12/18/2020	**0.00257**	<0.000500	**0.000580 J**	<0.000192	**0.00145 J**	**0.00145**	<0.00270	<0.000286	**0.000350 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.000270 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000320 J**	<0.00200	**0.000230 J**	<0.000228	<0.000162	**0.00234**	**0.00111**
	12/23/2020	**0.00159**	<0.000500	**0.000380 J**	<0.000192	**0.000970 J**	**0.000970 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	**0.000230 J**	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000162	**0.000720 J**	**0.000360 J**
	12/30/2020	**0.00194**	<0.000500	**0.000470 J**	<0.000192	**0.00148 J**	**0.00148**	<0.00270	<0.000286	**0.000230 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000240 J**	<0.00200	<0.000179	<0.000228	<0.000162	**0.00154**	**0.000750 J**
	1/6/2021	**0.00209**	<0.000500	**0.000330 J**	<0.000192	**0.00122 J**	**0.00122**	<0.00270	<0.000286	**0.000310 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.000260 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000190 J**	<0.00200	<0.000179	<0.000228	<0.000162	**0.00219**	**0.00103**
	1/12/2021	**0.00211**	**0.000690 J**	**0.000540 J**	<0.000192	**0.00163 J**	**0.00163**	<0.00270	<0.000286	**0.000220 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000200 J**	<0.00200	<0.000179	<0.000228	<0.000162	**0.00143**	**0.000670 J**
	1/20/2021	**0.00222**	<0.000500	**0.000430 J**	<0.000192	**0.00137 J**	**0.00137**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000210 J**	<0.00200	<0.000179	<0.000228	<0.000162	**0.00140**	**0.000720 J**
	1/27/2021	**0.00157**	<0.000500	**0.000400 J**	<0.000192	**0.00123 J**	**0.00123**	**0.00398 J**	<0.000286	**0.000270 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000210 J**	<0.00200	<0.000179	<0.000228	<0.000162	**0.00153**	**0.000830 J**
	2/3/2021	**0.00203**	<0.000500	**0.000430 J**	<0.000192	**0.00100 J**	**0.00100 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000180 J**	<0.00200	<0.000179	<0.000228	<0.000162	**0.00105**	**0.000510 J**
	2/10/2021	**0.00196**	<0.000500	**0.000560 J**	<0.000192	**0.00143 J**	**0.00143**	<0.00575	<0.000286	**0.000240 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000300 J**	<0.00200	<0.000179	<0.000228	<0.000162	**0.00143**	**0.000740 J**
	2/24/2021	**0.00158**	<0.000500	**0.000460 J**	<0.000192	**0.00110 J**	**0.0011**	<0.00575	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000210 J**	<0.00200	<0.000179	<0.000228	<0.000162	**0.000930 J**	**0.000490 J**
	3/4/2021	**0.00139**	<0.000500	**0.00102**	<0.000192	**0.00211 J**	**0.00211**	<0.00575	<0.000286	**0.000240 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000440 J**	<0.00200	**0.000240 J**	<0.000228	<0.000162	**0.00131**	**0.000680 J**
	3/10/2021	**0.00143**	<0.000500	**0.000490 J**	<0.000192	**0.000900 J**	**0.000900 J**	<0.00575	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000200 J**	<0.00200	<0.000179	<0.000228	<0.000162	**0.000780 J**	**0.000370 J**
	3/17/2021	**0.00159**	**0.00112**	**0.000790 J**	<0.000192	**0.00183 J**	**0.00183**	<0.00575	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000380 J**	<0.00200	**0.000230 J**	<0.000228	<0.000162	**0.00145**	**0.000570 J**
	3/25/2021	**0.00159**	<0.00100	**0.000533 J**	<0.00100	**0.00123 J**	**0.00123 J**	<0.0500	<0.00100	**0.000214 J**	<0.00100	<0.00100	<0.00100	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.000253 J**	<0.0100	<0.00100	<0.00100	<0.00100	**0.00152**	<0.00100
	3/31/2021	**0.00161**	<0.000500	**0.000333 J**	<0.000192	**0.000714 J**	**0.000714 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.00100	<0.00100	<0.0100	<0.00100	<0.000183	<0.000233	<0.000285	<0.00500	<0.000174	<0.00100	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000162	**0.00185**	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<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**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.00134**	**0.000333 J**
	5/13/2021	**0.00122**	<0.000500	<0.000515	<0.000192	**0.000619 J**	**0.000619 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.00159**	<0.000279
	5/19/2021	**0.00138**	**0.000545 J**	**0.00126**	<0.000192	**0.00269 J**	**0.00269 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000613 J**	<0.00200	**0.000281 J**	<0.000228	<0.000623	**0.00191**	**0.000594 J**
	5/27/2021	**0.00138**	<0.000500	**0.00102**	<0.000192	**0.00209 J**	**0.00209 J**	<0.00270	<0.000286	**0.000251 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000519 J**	<0.00200	<0.000179	<0.000228	<0.000623	**0.00197**	**0.000564 J**
	6/2/2021	**0.00134**	<0.000500	**0.000953 J**	<0.000192	**0.00209 J**	**0.00209 J**	<0.00270	<0.000286	**0.000290 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000254 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000496 J**	<0.00200	<0.000179	<0.000228	<0.000623	**0.00195**	**0.000591 J**
	6/10/2021	**0.000930 J**	<0.000500	<0.000515	<0.000192	**0.000631 J**	**0.000631 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.00161	<0.00200	<0.000179	<0.000228	<0.000623	**0.00150**	**0.000287 J**
	6/16/2021	**0.000920 J**	<0.000500	<0.000515	<0.000192	**0.000904 J**	**0.000904 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000228 J**	<0.00200	<0.000179	<0.000228	<0.000623	**0.00182**	<0.000279
	6/22/2021	**0.00115**	<0.000500	<0.000515	<0.000192	**0.000526 J**	**0.000526 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000433	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.00319**	**0.000332 J**
	6/30/2021	**0.000893 J**	<0.000500	<0.000515	<0.000192	**0.000657 J**	**0.000657 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.00155**	<0.000279
	7/1/2021	Levey Well Now Running Full Time																											
	7/7/2021	**0.000720 J**	<0.000500	<0.000515	<0.000192	**0.000391 J**	**0.000391 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.00996**	**0.00199**
	7/14/2021	**0.000894 J**	<0.000500	<0.000515	<0.000192	**0.000391 J**	**0.000391 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000239 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.00360**	**0.000732 J**
	7/20/2021	**0.000981 J**	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.00148**	**0.000378 J**
	7/27/2021	**0.00114**	<0.000500	<0.000515	<0.000192	**0.000467 J**	**0.000467 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000813	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.00154**	**0.000305 J**
	8/5/2021	**0.000808 J**	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.000615 J**	<0.000279
	8/11/2021	**0.000871 J**	<0.000500	<0.000515	<0.000192	**0.000345 J**	**0.000345 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.000799 J**	<0.000279
	8/19/2021	**0.000489 J**	<0.000500	<0.000515	<0.000192	**0.000510 J**	**0.000510 J**	<0.00270	**0.000377 J**	**0.000244 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.000354 J**	<0.000279
	8/25/2021	**0.000478 J**	<0.000500	<0.000515	<0.000192	**0.000462 J**	**0.000462 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000219 J**	<0.00200	<0.000179	<0.000283	<0.000623	**0.000267 J**	<0.000279
	9/2/2021	**0.000871 J**	<0.000500	<0.000515	<0.000192	**0.000505 J**	**0.000505 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.000199 J**	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	9/8/2021	**0.000345 J**	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.000651 J**	<0.000279
	9/14/2021	**0.000388 J**	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.000862 J**	<0.000279
	9/21/2021	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	9/29/2021	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	10/7/2021	**0.000252 J**	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.000438 J**	<0.000279
	10/13/2021	**0.000214 J**	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	10/21/2021	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	11/5/2021	**0.000247 J**	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	11/11/2021	**0.000458 J**	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	11/18/2021	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	11/24/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	<0.00100	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/1/2021	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000141	<0.000279
	12/8/2021	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	12/16/2021	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279

ENSOLUM

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

Sample Designation	Date	VOCs (mg/l)																										
		Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	Total Xylenes	Methyl ethyl ketone (2-Butanone)	n-Butylbenzene	Sec-Butylbenzene	tert-Butylbenzene	Tetrachloroeth(yl)ene	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	p-Cymene (p-Isopropyltoluene)	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,2-Dichloroeth(yl)ene	1,4-Dichlorobenzene	1,1-Dichloropropene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,1,2-Trichloroethane	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		**0.005**	**1**	**0.7**	**NE**	**NE**	**0.62**	**NE**	**NE**	**NE**	**NE**	**0.005**	**0.1**	**NE**	**NE**	**NE**	**NE**	**0.005**	**0.005**	**NE**	**0.075**	**NE**	**NE**	**0.03**	**NE**	**0.01**	**0.1**	**NE**	**NE**
MW-1	12/22/2021	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	12/29/2021	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	1/6/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	1/12/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000396	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	1/19/2022	<0.000214	<0.000500	<0.000515	<0.000192	**0.000640 J**	**0.000640 J**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000396	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	**0.000414 J**	<0.000279
	1/26/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000259	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	0.000623	<0.000252	<0.000279
	2/2/2022	Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze.																											
	2/8/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	**0.000799 J**	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	2/16/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	2/25/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	3/3/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	3/9/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	3/14/2022	Booster Pump for Levey Well Repaired and Back on Running Full Time.																											
	3/16/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	3/24/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	3/31/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	4/6/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	4/13/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	4/20/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	4/28/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	5/5/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	5/10/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	5/19/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	5/26/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	6/1/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	6/9/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000199	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	6/17/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	6/23/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	6/29/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	7/7/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	7/13/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	7/20/2022	<0.000214	<0.000500	<0.000515	<0.000192	<0.000330	<0.000330	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	<0.000233	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	<0.000161	<0.00200	<0.000179	<0.000228	<0.000623	<0.000252	<0.000279
	7/27/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.00175	<0.000456
	8/4/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	8/10/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	8/18/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	8/24/2022	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0100	<0.00200	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	<0.00100	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	8/31/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	9/15/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	9/22/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	9/28/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	10/4/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	10/14/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	10/19/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	10/27/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	11/2/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	11/9/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	11/16/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	11/30/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	12/9/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	12/15/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	12/21/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	12/29/2022	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	1/4/2023	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	1/13/2023	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	1/19/2023	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456
	1/25/2023	<0.000533	<0.000475	<0.000411	<0.000551	<0.00124	<0.00124	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	<0.000613	<0.00135	<0.000498	<0.000511	<0.000655	<0.000417	<0.000456

ENSOLUM

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

Sample Designation	Date	VOCs (mg/l)																									
		Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	Total Xylenes	Methyl ethyl ketone (2-Butanone)	n-Butylbenzene	Sec-Butylbenzene	tert-Butylbenzene	Tetrachloroeth(y)lene	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	p-Cymene (p-isopropyltoluene)	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,2-Dichloroeth(y)lene	1,4-Dichlorobenzene	1,1-Dichloropropene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,1,2-Trichloroethane	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		0.005	1	0.7	NE	NE	0.62	NE	NE	NE	NE	0.005	0.1	NE	NE	NE	NE	0.005	0.005	NE	0.075	NE	NE	0.03	NE	0.01	0.1	NE	NE
MW-2	5/26/2020	**0.00901**	**0.0299**	**0.0069**	**0.0186**	**0.0545**	**0.0731**	<0.00270	<0.000286	**0.000270 J**	<0.000195	<0.00500	<0.000259	NA	<0.000214	<0.000183	**0.000660**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00223**	<0.00200	**0.000570 J**	<0.000228	<0.000162	**0.0125**	**0.00704**
	6/30/2020	**0.0124**	**0.0193**	**0.0187**	**0.0196**	**0.0903**	**0.110**	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.00667**	<0.0100	**0.00243**	<0.00100	<0.00100	**0.0231**	**0.00815**
	8/20/2020	**0.0148**	**0.0172**	**0.0182**	**0.0160**	**0.0802**	**0.0962**	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	NA	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.00640**	<0.0100	**0.00170**	<0.00100	<0.00100	**0.0145**	**0.00421**
	10/23/2020	**0.0250**	**0.00730**	**0.0248**	**0.0186**	**0.110**	**0.129**	NA											NA										
	11/24/2020	**0.0358**	**0.0613**	**0.0503**	**0.0465**	**0.221**	**0.2675**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.00143**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0189**	**0.00242 J**	<0.000179	<0.000228	<0.000162	**0.0590**	**0.0149**
	12/18/2020	**0.0263**	**0.0260**	**0.0369**	**0.0240**	**0.165**	**0.189**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.00113**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0148**	<0.00200	**0.00486**	<0.000228	<0.000162	**0.0467**	**0.0121**
	12/23/2020	**0.0299**	**0.0358**	**0.0381**	**0.0266**	**0.156**	**0.183**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.00101**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0135**	<0.00200	**0.00408**	<0.000228	<0.000162	**0.0406**	**0.0102**
	12/30/2020	**0.0200**	**0.0242**	**0.0185**	**0.0146**	**0.0592**	**0.0738**	<0.00270	**0.000550 J**	**0.000680 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.000540 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00603**	<0.00200	**0.00170**	<0.000228	<0.000162	**0.0116**	**0.00533**
	1/6/2021	**0.0200**	**0.0169**	**0.0231**	**0.0169**	**0.118**	**0.135**	<0.00270	**0.000390 J**	**0.00117**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.00105**	**0.000500 J**	<0.000396	<0.000174	<0.000199	<0.000481	**0.00815**	<0.00200	**0.00267**	**0.000800 J**	<0.000162	**0.0339**	**0.0103**
	1/12/2021	**0.0193**	**0.0185**	**0.0198**	**0.0144**	**0.0922**	**0.107**	<0.00270	**0.000690 J**	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.000710 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00756**	<0.00200	**0.00242**	<0.000228	<0.000162	**0.0259**	**0.00698**
	1/20/2021	**0.0229**	**0.0169**	**0.0190**	**0.0136**	**0.0829**	**0.0965**	**0.00394 J**	**0.000400 J**	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.000470 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00640**	<0.00200	**0.00177**	<0.000228	<0.000162	**0.0202**	**0.00517**
	1/27/2021	**0.0298**	**0.0276**	**0.0282**	**0.0269**	**0.155**	**0.182**	**0.00504 J**	**0.00103**	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.00116**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0117**	<0.00200	**0.00343**	<0.000228	<0.000162	**0.0500**	**0.0129**
	2/3/2021	**0.0286**	**0.0392**	**0.0258**	**0.0236**	**0.111**	**0.135**	<0.00270	<0.000286	**0.000850 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.000590 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00817**	<0.00200	**0.00240**	<0.000228	<0.000162	**0.0267**	**0.00674**
	2/10/2021	**0.0307**	**0.0201**	**0.0329**	**0.0210**	**0.159**	**0.180**	<0.00575	**0.000870 J**	<0.000199	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.000940 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0120**	<0.00200	**0.00331**	<0.000228	<0.000162	**0.0407**	**0.00994**
	2/24/2021	**0.0218**	**0.0122**	**0.0164**	**0.0111**	**0.0749**	**0.086**	<0.00575	**0.000370 J**	**0.000640 J**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.000480 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0060**	<0.00200	**0.00175**	<0.000228	<0.000162	**0.0191**	**0.00496**
	3/4/2021	**0.0264**	**0.0232**	**0.0320**	**0.0212**	**0.142**	**0.163**	<0.00575	**0.000430 J**	**0.00131**	<0.000195	<0.000500	<0.000259	NA	<0.000214	<0.000183	**0.000930 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0115**	<0.00200	**0.00390**	<0.000228	<0.000162	**0.0403**	**0.0100**
	3/10/2021	**0.0269**	**0.0234**	**0.0271**	**0.0206**	**0.117**	**0.138**	<0.00575	<0.000286	**0.000970 J**	<0.000195	<0.00100	<0.000259	NA	<0.000214	<0.000183	**0.000720 J**	<0.000285	<0.00500	<0.000174	<0.00100	<0.000481	**0.00931**	<0.00200	**0.00281**	<0.000228	<0.000162	**0.0287**	**0.00720**
	3/17/2021	**0.0238**	**0.0237**	**0.0257**	**0.0190**	**0.113**	**0.132**	<0.0500	<0.00100	**0.00113**	<0.00100	<0.00100	<0.000259	NA	<0.00100	<0.00100	<0.00100	<0.00500	<0.00500	<0.00500	<0.00100	<0.00500	**0.00923**	<0.0100	**0.00305**	<0.00100	<0.00100	**0.0315**	**0.00821**
	3/25/2021	**0.0209**	**0.0281**	**0.0202**	**0.0165**	**0.0892**	**0.106**	<0.0500	<0.00100	**0.000799 J**	**0.00134**	<0.00100	<0.00100	<0.0100	<0.00100	<0.00100	**0.000610 J**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.00725**	<0.0100	**0.00229**	<0.00100	<0.00100	**0.0224**	<0.00100
	3/31/2021	**0.0298**	**0.0107**	**0.0177**	**0.0203**	**0.124**	**0.144**	<0.00270	<0.000286	**0.00137**	<0.000195	<0.000500	<0.00100	<0.0100	**0.00151**	<0.000183	**0.00109**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0133**	<0.00200	**0.00295**	<0.000228	**0.000631 J**	**0.0426**	**0.0107**
	4/8/2021	**0.0226**	**0.0217**	**0.0210**	**0.0175**	**0.0990**	**0.117**	<0.00270	**0.000640 J**	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000579 J**	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000925 J**	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000901 J**	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00127**	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000766 J**	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000996 J**	<0.000285	<0.000396	<0.000174	<0.000199	<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	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000937 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0106**	<0.00200	**0.00354**	<0.000228	<0.000623	**0.0374**	**0.00933**
	5/27/2021	**0.0346**	**0.0127**	**0.0287**	**0.0166**	**0.139**	**0.156**	<0.00270	<0.000286	**0.00145**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00116**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0111**	<0.00200	**0.00399**	<0.000228	<0.000623	**0.0453**	**0.0114**
	6/2/2021	**0.0257**	**0.00773**	**0.0277**	**0.0139**	**0.149**	**0.163**	<0.00270	**0.000614 J**	**0.00150**	<0.000195	<0.000500	**0.00495**	**0.00444 J**	<0.000214	<0.000183	**0.00122**	<0.000285	<0.000396	<0.000174	<0.000199	**0.00559**	**0.0128**	<0.00200	**0.00408**	<0.000228	<0.000623	**0.0455**	**0.0117**
	6/10/2021	**0.0288**	**0.00860**	**0.0318**	**0.0153**	**0.165**	**0.180**	<0.00270	<0.000286	**0.00160**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00129**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0137**	<0.00200	**0.00445**	<0.000228	<0.000623	**0.0522**	**0.0129**
	6/16/2021	**0.0291**	**0.00754**	**0.0243**	**0.0135**	**0.148**	**0.162**	<0.00270	<0.000286	**0.00137**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00113**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0130**	<0.00200	**0.00342**	<0.000228	<0.000623	**0.0442**	**0.0109**
	6/22/2021	**0.0371**	**0.0110**	**0.0312**	**0.0196**	**0.181**	**0.201**	<0.00270	<0.000286	**0.00136**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00108**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0147**	<0.00200	**0.00362**	<0.000228	<0.000623	**0.0510**	**0.0126**
	6/30/2021	**0.0269**	**0.0055**	**0.0216**	**0.0131**	**0.151**	**0.164**	<0.00270	<0.000286	**0.00159**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00134**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0139**	<0.00200	**0.00359**	<0.000228	<0.000623	**0.0518**	**0.0130**
	7/1/2021	Levey Well Now Running Full Time																											
	7/7/2021	**0.0415**	**0.00962**	**0.0343**	**0.0215**	**0.235**	**0.257**	<0.00270	<0.000286	**0.00225**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00186**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0192**	<0.00200	**0.00525**	<0.000228	<0.000623	**0.0790**	**0.0193**
	7/14/2021	**0.0382**	**0.0335**	**0.0352**	**0.0299**	**0.149**	**0.177**	<0.00270	<0.000286	**0.00136**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00103**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0120**	<0.00200	**0.00352**	<0.000228	<0.000623	**0.0437**	**0.0110**
	7/20/2021	**0.0269**	**0.0104**	**0.0179**	**0.0166**	**0.116**	**0.133**	<0.00270	<0.000286	**0.00101**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00130**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00625**	<0.00200	**0.00182**	<0.000228	<0.000623	**0.0324**	**0.0117**
	7/27/2021	**0.0306**	**0.00861**	**0.0230**	**0.0154**	**0.117**	**0.129**	<0.00270	<0.000286	**0.00101**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00111**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00944**	<0.00200	**0.00258**	<0.000228	<0.000623	**0.0408**	**0.0118**
	8/5/2021	**0.0262**	**0.00661**	**0.0194**	**0.0108**	**0.113**	**0.124**	<0.00270	<0.000286	**0.000857 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000760 J**	<0.000285	<0.000396	<0.000714	<0.000199	<0.000481	**0.00898**	<0.00200	**0.00229**	<0.000228	<0.000623	**0.0274**	**0.00745**
	8/11/2021	**0.0280**	**0.00571**	**0.0272**	**0.0116**	**0.278**	**0.297**	<0.00270	<0.000286	**0.00145**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00118**	<0.000285	<0.000396	<0.000714	<0.000199	<0.000481	**0.0126**	<0.00200	**0.00370**	<0.000228	<0.000623	**0.0465**	**0.0123**
	8/19/2021	**0.0303**	**0.00626**	**0.0341**	**0.0141**	**0.324**	**0.347**	<0.00270	<0.000266	**0.00232**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00178**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0188**	<0.00200	**0.00576**	<0.000228	<0.000623	**0.0629**	**0.0168**
	8/25/2021	**0.0256**	**0.00530**	**0.0148**	**0.00844**	**0.0847**	**0.0931**	<0.00270	<0.000286	**0.000740 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000660 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00608**	<0.00200	**0.00169**	<0.000228	<0.000623	**0.0225**	**0.00510**
	9/2/2021	**0.0289**	**0.00557**	**0.0287**	**0.0135**	**0.295**	**0.317**	<0.00270	**0.00107**	**0.00155**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00130**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0151**	<0.00200	**0.00391**	<0.000228	<0.000623	**0.0499**	**0.0131**
	9/8/2021	**0.0308**	**0.00410**	**0.0245**	**0.0106**	**0.204**	**0.217**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00130**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0137**	<0.00200	**0.00370**	<0.000228	<0.000623	**0.0558**	<0.000279
	9/14/2021	**0.0310**	**0.00503**	**0.0350**	**0.0138**	**0.339**	**0.362**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00138**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0169**	<0.00200	**0.00509**	<0.000228	<0.000623	**0.0580**	**0.0150**
	9/21/2021	**0.0294**	**0.00288**	**0.0136**	**0.0141**	**0.135**	**0.149**	<0.00270	<0.000286	**0.00179**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00150**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0144**	<0.00200	**0.00296**	<0.000228	<0.000623	**0.0549**	**0.0132**
	9/29/2021	**0.0179**	**0.00311**	**0.0221**	**0.00740**	**0.115**	**0.122**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000781 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0103**	<0.00200	**0.00278**	<0.000228	<0.000623	**0.0265**	**0.00707**
	10/7/2021	**0.0221**	**0.00389**	**0.0214**	**0.00873**	**0.125**	**0.134**	<0.00270	<0.000286	**0.00101**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000840 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00824**	<0.00200	**0.00245**	<0.000228	<0.000623	**0.0310**	**0.00853**
	10/13/2021	**0.0239**	**0.0106**	**0.0223**	**0.0150**	**0.123**	**0.138**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000684 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00784**	<0.00200	**0.00193**	<0.000228	<0.000623	**0.0306**	**0.00840**
	10/21/2021	**0.0189**	**0.00361**	**0.0145**	**0.00749**	**0.107**	**0.114**	<0.00270	<0.000286	**0.00115**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000918 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0101**	<0.00200	**0.00253**	<0.000228	<0.000623	**0.0316**	**0.00875**
	11/5/2021	**0.0200**	**0.00476**	**0.0173**	**0.00743**	**0.0901**	**0.0975**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000616 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00733**	<0.00200	**0.00210**	<0.000228	<0.000623	**0.0223**	**0.00602**
	11/11/2021	**0.0221**	**0.00254**	**0.0192**	**0.00754**	**0.125**	**0.133**	<0.00270	**0.000898 J**	**0.00133**	**0.00234**	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000949 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00971**	<0.00200	**0.00268**	<0.000228	<0.000623	**0.0376**	**0.00937**
	11/18/2021	**0.0331**	**0.00352**	**0.0311**	**0.0184**	**0.336**	**0.359**	<0.00270	**0.00130**	**0.00389**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00305**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0289**	<0.00200	**0.00724**	<0.000228	<0.000623	**0.116**	**0.0299**
	11/24/2021	**0.0207**	**0.00681**	**0.0266**	**0.0130**	**0.123**	**0.136**	<0.0500	<0.00100	**0.00110**	<0.00100	<0.00100	<0.00100	<0.0100	<0.00100	<0.00100	**0.000749 J**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0107**	<0.0100	**0.00312**	<0.00100	<0.00100	**0.0296**	**0.00811**
	12/1/2021	**0.0189**	**0.00198**	**0.0143**	**0.00529**	**0.0813**	**0.0866**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000506 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00604**	<0.00200	**0.00163**	<0.000228	<0.000623	**0.0194**	**0.00496**
	12/8/2021	**0.0377**	**0.0208**	**0.0448**	**0.0298**	**0.271**	**0.309**	<0.00270	**0.00130**	**0.00175**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00128**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0166**	<0.00200	**0.00500**	<0.000228	<0.000623	**0.0542**	**0.0143**
	12/16/2021	**0.0270**	**0.00490**	**0.0225**	**0.0129**	**0.227**	**0.249**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000875 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00712**	<0.00200	<0.000179	<0.000228	<0.000623	**0.0396**	**0.00959**
	12/22/2021	**0.0351**	**0.0155**	**0.0376**	**0.0216**	**0.282**	**0.315**	<0.00270	<0.000286	**0.00168**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00135**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0129**	<0.00200	**0.00448**	<0.000228	<0.000623	**0.0528**	**0.0139**
	12/29/2021	**0.0257**	**0.0232**	**0.0131**	**0.0147**	**0.0738**	**0.0885**	<0.00270	<0.000286	**0.000412 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000356 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00356**	<0.00200	**0.000712 J**	<0.000228	<0.000623	**0.0148**	**0.00395**

ENSOLUM

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

Sample Designation	Date	VOCs (mg/l)																											
		Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	Total Xylenes	Methyl ethyl ketone (2-Butanone)	n-Butylbenzene	Sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethylene	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	p-Cymene (p-Isopropyltoluene)	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,2-Dichloroethylene	1,4-Dichlorobenzene	1,1-Dichloropropene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,1,2-Trichloroethane	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		0.005	1	0.7	NE	NE	0.62	NE	NE	NE	NE	0.005	0.1	NE	NE	NE	NE	0.005	0.005	NE	0.075	NE	NE	0.03	NE	0.01	0.1	NE	NE
MW-2	1/6/2022	**0.0360**	**0.00656**	**0.0309**	**0.0229**	**0.253**	**0.274**	<0.00270	**0.00192**	**0.00273**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00265**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0208**	<0.00200	**0.00488**	<0.000228	<0.000623	**0.108**	**0.0273**
	1/12/2022	**0.0205**	**0.00174**	**0.00106**	**0.0200**	**0.0949**	**0.115**	<0.00270	<0.000286	**0.00132**	<0.000195	<0.000500	<0.000259	<0.000318	<0.00214	<0.000183	**0.00184**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00521**	<0.00200	**0.000546 J**	<0.000228	<0.000623	**0.0619**	**0.00491**
	1/19/2022	**0.0262**	**0.00733**	**0.0305**	**0.0147**	**0.229**	**0.249**	<0.00270	**0.00104**	**0.00147**	<0.000195	<0.000500	<0.000259	<0.000318	<0.00214	<0.000183	**0.00116**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0142**	<0.00200	**0.00403**	<0.000228	<0.000623	**0.0435**	**0.0115**
	1/26/2022	**0.0331**	**0.00488**	**0.0137**	**0.00718**	**0.0755**	**0.0827**	<0.00270	<0.00286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000314 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00555**	<0.00200	**0.00112**	<0.000228	<0.000623	**0.0145**	**0.00380**
	2/2/2022	Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze.																											
	2/8/2022	**0.0184**	**0.00572**	**0.0133**	**0.00676**	**0.0653**	**0.0721**	<0.00270	<0.00286	**0.000510 J**	<0.000195	<0.000500	<0.000259	**0.00165 J**	<0.000214	<0.000183	**0.000391 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00544**	<0.00200	**0.00149**	<0.000228	<0.000623	**0.0150**	**0.00409**
	2/16/2022	**0.0357**	**0.0270**	**0.0391**	**0.0307**	**0.205**	**0.244**	<0.00270	<0.00286	**0.00119**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000884 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0127**	<0.00200	**0.00392**	<0.000228	<0.000623	**0.0393**	**0.0103**
	2/25/2022	**0.0341**	**0.00559**	**0.0206**	**0.0111**	**0.134**	**0.145**	<0.00270	<0.0000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000996 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0114**	<0.00200	**0.00295**	<0.000228	<0.000623	**0.0386**	**0.00997**
	3/3/2022	**0.0370**	**0.00673**	**0.0378**	**0.0160**	**0.225**	**0.244**	<0.00270	<0.0000286	**0.00153**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00117**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0152**	<0.00200	**0.00456**	<0.000228	<0.000623	**0.0496**	**0.0126**
	3/9/2022	**0.0182**	**0.00790**	**0.0186**	**0.0131**	**0.0857**	**0.0988**	<0.00270	<0.0000286	**0.000910 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000683 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00640**	<0.00200	**0.00211**	<0.000228	<0.000623	**0.0240**	**0.00659**
	3/14/2022	Booster Pump for Levey Well Repaired and Back on Running Full Time.																											
	3/16/2022	**0.0200**	**0.00793**	**0.0209**	**0.0133**	**0.0947**	**0.108**	<0.00270	<0.0000286	**0.000759 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000524 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00753**	<0.00200	**0.00212**	<0.000228	<0.000623	**0.0216**	**0.00583**
	3/24/2022	**0.0400**	**0.0151**	**0.0490**	**0.0321**	**0.252**	**0.284**	<0.00270	**0.00104**	**0.00192**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00135**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0208**	<0.00200	**0.00487**	<0.000228	<0.000623	**0.0679**	**0.0170**
	3/31/2022	**0.0305**	**0.0309**	**0.0274**	**0.0311**	**0.267**	**0.311**	<0.00270	**0.00102**	**0.00142**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00138**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00896**	<0.00200	**0.00203**	<0.000228	<0.000623	**0.0551**	**0.0138**
	4/6/2022	**0.0303**	**0.0170**	**0.0140**	**0.0228**	**0.191**	**0.218**	<0.00270	**0.000939 J**	**0.00104**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00128**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00534**	<0.00200	**0.00110**	<0.000228	<0.000623	**0.0517**	**0.0136**
	4/13/2022	**0.0303**	**0.0271**	**0.0235**	**0.0218**	**0.135**	**0.157**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000812 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00770**	<0.00200	**0.00212**	<0.000228	<0.000623	**0.0368**	**0.00937**
	4/20/2022	**0.0246**	**0.0126**	**0.0157**	**0.0171**	**0.0994**	**0.117**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000513 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00439**	<0.00200	**0.000555 J**	<0.000228	<0.000623	**0.0224**	**0.00580**
	4/28/2022	**0.0384**	**0.0164**	**0.0617**	**0.0403**	**0.292**	**0.333**	<0.00270	**0.00162**	**0.00214**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00176**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0222**	<0.00200	**0.00675**	<0.000228	<0.000623	**0.0872**	**0.0220**
	5/5/2022	**0.0181**	**0.00219**	**0.0172**	**0.00988**	**0.110**	**0.120**	<0.00270	**0.000629 J**	**0.000796 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000733 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00608**	<0.00200	**0.00123**	<0.000228	<0.000623	**0.0276**	**0.00751**
	5/10/2022	**0.0197**	**0.00422**	**0.0184**	**0.0142**	**0.129**	**0.143**	<0.00270	<0.000286	**0.000957 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000953 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00681**	<0.00200	**0.00180**	<0.000228	<0.000623	**0.0367**	**0.00949**
	5/19/2022	**0.0329**	**0.00659**	**0.0505**	**0.0254**	**0.367**	**0.407**	<0.00270	**0.00159**	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00163**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0196**	<0.00200	**0.00593**	<0.000228	<0.000623	**0.0645**	**0.0173**
	5/26/2022	**0.0238**	**0.00151**	**0.0208**	**0.00782**	**0.105**	**0.113**	<0.00270	**0.000780 J**	**0.00102**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000846 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00912**	<0.00200	**0.00268**	<0.000228	<0.000623	**0.0317**	**0.00846**
	6/1/2022	**0.0387**	**0.00639**	**0.0414**	**0.0212**	**0.230**	**0.253**	<0.00270	<0.000286	**0.00172**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00147**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0156**	<0.00200	**0.00395**	<0.000228	<0.000623	**0.0573**	**0.0153**
	6/9/2022	**0.0194**	**0.00241**	**0.0228**	**0.0102**	**0.118**	**0.128**	<0.00270	<0.000286	**0.00124**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00104**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0108**	<0.00200	**0.00304**	<0.000228	<0.000623	**0.0356**	**0.00926**
	6/17/2022	**0.0214**	**0.00267**	**0.0262**	**0.00984**	**0.126**	**0.136**	<0.00270	**0.00115**	**0.00161**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00139**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0132**	<0.00200	**0.00436**	<0.000228	<0.000623	**0.0490**	**0.0130**
	6/23/2022	**0.0235**	**0.00355**	**0.0311**	**0.0139**	**0.139**	**0.153**	<0.00270	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.00120**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.0144**	<0.00200	**0.00410**	<0.000228	<0.000623	**0.0464**	**0.0121**
	6/29/2022	**0.0119**	<0.000500	**0.0113**	**0.00209**	**0.0579**	**0.0600**	<0.00270	<0.000286	**0.000827 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000608 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00741**	<0.00200	**0.00193**	<0.000228	<0.000623	**0.0213**	**0.00586**
	7/7/2022	**0.0222**	**0.00257**	**0.0243**	**0.00950**	**0.116**	**0.126**	**0.00808 J**	<0.000286	<0.000199	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000856 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00988**	<0.00200	**0.00316**	<0.000228	<0.000623	**0.0323**	**0.00830**
	7/13/2022	**0.0195**	**0.00107**	**0.0116**	**0.00359**	**0.0559**	**0.0595**	**0.00500 J**	**0.000355 J**	**0.000525 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000398 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00497**	<0.00200	**0.00135**	<0.000228	<0.000623	**0.0153**	**0.00391**
	7/20/2022	**0.0210**	**0.00346**	**0.0220**	**0.0117**	**0.101**	**0.113**	<0.00270	<0.000286	**0.000916 J**	<0.000195	<0.000500	<0.000259	<0.000318	<0.000214	<0.000183	**0.000601 J**	<0.000285	<0.000396	<0.000174	<0.000199	<0.000481	**0.00757**	<0.00200	**0.00242**	<0.000228	<0.000623	**0.0293**	**0.00720**
	7/27/2022	**0.0177**	**0.00165**	**0.0178**	**0.00838**	**0.119**	**0.127**	<0.00828	<0.000644	**0.000911 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	**0.000986 J**	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00677**	<0.00135	**0.00189**	<0.000511	<0.000655	**0.0369**	**0.00999**
	8/4/2022	**0.0245**	**0.00255**	**0.0242**	**0.00972**	**0.108**	**0.118**	<0.00828	<0.000644	**0.00102**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00956**	<0.00135	**0.00311**	<0.000511	<0.000655	**0.0307**	**0.00826**
	8/10/2022	**0.0248**	**0.00167**	**0.0199**	**0.00758**	**0.0900**	**0.0976**	<0.00828	<0.000644	**0.000967 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00986**	<0.00135	**0.00271**	<0.000511	<0.000655	**0.0309**	**0.00779**
	8/18/2022	**0.0247**	**0.00229**	**0.0277**	**0.0110**	**0.121**	**0.132**	<0.00828	<0.000644	**0.00118**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	**0.00101**	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.0115**	<0.00135	**0.00360**	<0.000511	<0.000655	**0.0390**	**0.0100**
	8/24/2022	**0.0162**	**0.00167**	**0.0235**	**0.0103**	**0.126**	**0.136**	<0.0500	<0.00100	**0.00106**	<0.00100	<0.00100	<0.00100	<0.0100	<0.00200	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00500	**0.0103**	<0.0100	**0.00274**	<0.00100	<0.00100	**0.0347**	**0.00917**
	8/31/2022	**0.0326**	**0.00259**	**0.0498**	**0.0181**	**0.247**	**0.266**	<0.00828	<0.000644	**0.00259**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	**0.00211**	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.0251**	<0.00135	**0.00714**	<0.000511	<0.000655	**0.0832**	**0.0203**
	9/15/2022	**0.0145**	**0.000532 J**	**0.0194**	**0.00648**	**0.0978**	**0.104**	<0.00828	<0.000644	**0.00116**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.0100**	<0.00135	**0.00282**	<0.000511	<0.000655	**0.0270**	**0.00712**
	9/22/2022	**0.0208**	**0.00243**	**0.0289**	**0.0139**	**0.139**	**0.153**	<0.00828	<0.000644	**0.00137**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	**0.000992 J**	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.0127**	<0.00135	**0.00361**	<0.000511	<0.000655	**0.0393**	**0.00971**
	9/28/2022	**0.0155**	**0.00113**	**0.0133**	**0.00514**	**0.0584**	**0.0635**	<0.00828	<0.000644	**0.000720 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00651**	<0.00135	**0.00178**	<0.000511	<0.000655	**0.0201**	**0.00465**
	10/4/2022	**0.0181**	**0.00323**	**0.0272**	**0.0131**	**0.127**	**0.140**	<0.00828	<0.000644	**0.00142**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	**0.000948 J**	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.0127**	<0.00135	**0.00381**	<0.000511	<0.000655	**0.0351**	**0.00863**
	10/14/2022	**0.0185**	**0.00378**	**0.0230**	**0.0128**	**0.105**	**0.118**	<0.00828	<0.000644	**0.000951 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00944**	<0.00135	**0.00276**	<0.000511	<0.000655	**0.0265**	**0.00672**
	10/19/2022	**0.0141**	**0.00301**	**0.0156**	**0.00858**	**0.0773**	**0.0859**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00722**	<0.00135	**0.00209**	<0.000511	<0.000655	**0.0222**	**0.00535**
	10/27/2022	**0.0163**	**0.00752**	**0.0186**	**0.0133**	**0.0934**	**0.107**	<0.00828	<0.000644	**0.00140**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	**0.00129**	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00687**	<0.00135	**0.00218**	<0.000511	<0.000655	**0.0192**	**0.00612**
	11/2/2022	**0.0150**	**0.00408**	**0.0147**	**0.00992**	**0.0750**	**0.0849**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00716**	<0.00135	**0.00189**	<0.000511	<0.000655	**0.0191**	**0.00516**
	11/9/2022	**0.0126**	**0.00375**	**0.00933**	**0.00634**	**0.0463**	**0.0526**	<0.00828	<0.000644	**0.000498 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00395**	<0.00135	**0.00122**	<0.000511	<0.000655	**0.0102**	**0.00296**
	11/16/2022	**0.0163**	**0.00422**	**0.0144**	**0.00890**	**0.0668**	**0.0757**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00688**	<0.00135	**0.00182**	<0.000511	<0.000655	**0.0210**	**0.00478**
	11/30/2022	**0.0125**	**0.00266**	**0.00651**	**0.00407**	**0.0290**	**0.0331**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00325**	<0.00135	**0.00100**	<0.000511	<0.000655	**0.00888**	**0.00209**
	12/9/2022	**0.0133**	**0.00193**	**0.0135**	**0.00773**	**0.0721**	**0.0798**	<0.00828	<0.000644	**0.000945 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00830**	<0.00135	**0.00232**	<0.000511	<0.000655	**0.0238**	**0.00582**
	12/15/2022	**0.0148**	**0.00512**	**0.0172**	**0.0121**	**0.0864**	**0.0985**	<0.00828	<0.000644	**0.00102**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00860**	<0.00135	**0.00233**	<0.000511	<0.000655	**0.0247**	**0.00598**
	12/21/2022	**0.0139**	**0.00276**	**0.0150**	**0.00894**	**0.0679**	**0.0768**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00801**	<0.00135	**0.00229**	<0.000511	<0.000655	**0.0184**	**0.00481**
	12/29/2022	**0.0189**	**0.00554**	**0.0148**	**0.0109**	**0.0583**	**0.0692**	<0.00828	<0.000644	**0.000482 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00533**	<0.00135	**0.00143**	<0.000511	<0.000655	**0.0130**	**0.00340**
	1/4/2023	**0.0171**	**0.00237**	**0.0141**	**0.00970**	**0.0788**	**0.0885**	<0.00828	<0.000644	**0.000971 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00890**	<0.00135	**0.00234**	<0.000511	<0.000655	**0.0257**	**0.00599**
	1/13/2023	**0.0108**	**0.00141**	**0.00784**	**0.00466**	**0.0387**	**0.0434**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00527**	<0.00135	**0.00122**	<0.000511	<0.000655	**0.0123**	**0.00280**
	1/19/2023	**0.0140**	**0.00274**	**0.00951**	**0.00742**	**0.0484**	**0.0558**	<0.00828	<0.000644	**0.000586 J**	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00538**	<0.00135	**0.00141**	<0.000511	<0.000655	**0.0129**	**0.00326**
	1/25/2023	**0.0115**	**0.00124**	**0.00655**	**0.00433**	**0.0294**	**0.0337**	<0.00828	<0.000644	<0.000468	<0.000442	<0.000801	<0.000643	<0.00204	<0.00118	<0.000472	<0.000919	<0.000590	<0.000667	<0.000714	<0.000513	<0.00160	**0.00327**	<0.00135	**0.000899 J**	<0.000511	<0.000655	**0.00796**	**0.00205**

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

ENSOLUM

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

Sample Designation	Date	(mg/l)													%	SU
		Bromide	Chloride	Fluoride	Nitrate as N	Nitrite as N	Sulfate	Calcium	Magnesium	Potassium	Sodium	Total Dissolved Solids	Alkalinity, Bicarbonate (as CaCO3)	Alkalinity, Carbonate (as CaCO3)	Cation-Anion Balance	pH
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		NE	250.0	1.6	10.0	1.0	NE	NE	NE	NE	NE	1,000.0	NE	NE	NE	6-9
Levey Well	12/6/2019	<0.500	253	<0.500	0.594	0.199	61.5	405	65.0	5.27	83.7	1,680	1,260	<4.00	2.70	6.45
	12/13/2019	<0.500	315	<0.500	0.744	0.222	72.9	450	80.1	6.71	110	1,900	1,230	<4.00	2.00	7.02
	12/19/2019	0.414 J	311	0.381 J	0.539	<0.0293	62.9	411	72.2	5.61	101	1,640	1,140	<4.00	0.200	6.57
	12/26/2019	<0.500	257	<0.500	0.617	0.204	61.7	418	68.8	5.82	88.5	1,760	1,280	<4.00	1.30	6.44
	1/2/2020	<0.500	302	<0.500	0.331	<0.100	60.6	375	70.5	5.96	98.8	1,630	1,150	<4.00	2.40	6.83
	1/15/2020	<0.500	190	0.559	0.129	0.930	53.5	401	66.8	4.82	82.9	1,570	1,260	<4.00	0	6.35
	1/23/2020	<0.500	195	0.617	0.126	0.128	46.2	426	76.3	8.84	86.4	1,530	1,230	<4.00	1.60	6.21
	1/31/2020	<0.500	197	0.616	0.129	<0.100	48.5	446	79.1	7.43	89.5	1,440	1,230	<4.00	3.20	6.15
	2/6/2020	<0.500	316	<0.500	0.179	<0.100	64.2	430	76.0	7.60	101	1,100	1,180	<4.00	1.10	6.07
	2/13/2020	<2.50	293	0.623	0.178	<0.500	57.3	409	74.5	6.80	95.7	1,640	1,200	<4.00	0.300	6.04
	2/20/2020	<0.500	272	0.586	0.157	<0.100	49.6	421	71.4	6.38	91.4	1,690	1,220	<4.00	0.300	5.93
	2/28/2020	<0.500	307	<0.500	1.05	1.35	56.6	438	74.0	5.98	97.4	1,620	1,230	<4.00	0.400	6.12
	3/6/2020	<0.500	284	0.621	0.107	1.27	56.2	418	67.9	5.60	92.7	1,880	1,230	<4.00	0.800	6.26
	3/13/2020	<0.500	316	0.629	<0.100	<0.100	59.3	393	63.3	5.32	91.2	1,770	1,200	<4.00	4.30	6.23
	3/18/2020	0.533	332	0.642	0.128	<0.100	63.5	391	67.4	5.56	95.7	1,680	1,180	<4.00	3.80	6.44
	3/27/2020	0.533	324	0.728	<0.100	<0.100	57.6	418	70.3	5.91	105	1,610	1,180	<4.00	0.200	6.57
	4/3/2020	<0.500	304	0.807	0.110	<0.100	57.3	417	69.0	5.91	101	1,960	1,180	<4.00	0.200	6.37
	4/10/2020	0.575	351	0.612	0.172	<0.100	61.8	431	72.3	6.17	104	1,930	1,190	<4.00	0.600	6.73
	4/17/2020	0.590	353	0.691	0.165	<0.100	59.7	406	73.2	5.40	108	1,750	1,180	<4.00	1.70	6.51
	4/24/2020	0.595	370	0.723	0.152	<0.100	61.2	408	75.2	5.55	113	1,810	1,130	<4.00	0.600	6.32
	5/1/2020	0.576	376	0.686	0.140	<0.100	61.8	402	74.6	5.39	106	1,750	1,130	<4.00	1.90	6.37
	5/7/2020	0.517	365	0.675	0.163	<0.100	58.8	425	70.5	5.57	108	1,640	1,140	<4.00	0.00	6.55
	5/14/2020	0.571	409	0.585	0.160	<0.100	56.0	412	76.5	6.23	107	1,900	1,200	<4.00	3.70	6.34
	5/22/2020	0.531	319	0.561	1.550	<0.100	30.1	354	63.7	5.24	97.4	1,360	1,190	<4.00	6.10	6.54
	5/26/2020	0.549	357	0.688	0.153	<0.100	44.5	356	69.6	5.67	102	1,650	1,170	<4.00	6.30	6.42
	6/5/2020	0.640	417	0.535	0.139	<0.100	39.9	379	73.3	5.92	108	1,670	1,160	<4.00	5.90	6.30
	6/12/2020	0.602	359	0.697	0.145	<0.100	43.9	386	72.4	6.70	106	1,670	1,140	<4.00	2.40	6.22
	6/18/2020	0.576	431	<5.00	0.144	<0.100	39.5	418	78.8	6.23	115	1,800	1,180	<4.00	2.40	6.28
	6/23/2020	0.586	398	<5.00	0.136	<0.100	33.3	361	66.3	5.48	98.2	1,920	1,190	<4.00	8.40	6.23
	6/30/2020	0.695	431	<5.00	0.149	<0.100	37.9	437	78.6	6.70	113	1,830	1,170	<4.00	2.60	6.39
	7/9/2020	0.647	413	<5.00	0.147	0.215	40.5	421	78.5	6.58	114	1,790	1,170	<4.00	1.50	6.37
	7/16/2020	0.657	390	<5.00	0.128	<0.100	40.6	402	77.6	7.01	114	1,890	1,170	<4.00	1.90	6.34
	7/23/2020	0.621	396	<5.00	0.175	0.169	36.5	419	74.0	6.58	111	2,000	1,160	<4.00	1.10	6.22
	7/30/2020	0.669	390	0.625	0.181	<0.100	39.3	397	71.4	5.59	103	1,910	1,170	<4.00	3.70	6.18
	8/7/2020	0.631	387	0.526	0.186	1.75	36.1	404	79.5	6.73	111	1,810	1,150	<4.00	0.900	6.12
	8/13/2020	0.713	408	0.505	0.191	1.45	34.9	368	75.1	6.54	115	1,980	1,150	<4.00	5.00	6.26
	8/20/2020	0.690	449	<0.500	0.164	<0.100	38.7	389	69.0	5.99	113	2,000	1,090	<4.00	4.40	6.18
	8/27/2020	0.846	582	<0.500	0.158	1.68	49.4	446	82.6	7.17	161	2,570	973	<4.00	1.50	6.35
	9/2/2020	0.868	635	<0.500	0.159	<0.100	48.1	422	77.9	7.25	168	1,620	1,030	<4.00	3.40	6.30
	9/10/2020	0.714	499	<0.500	<0.100	1.61	41.9	387	79.4	6.53	133	1,980	1,090	<4.00	4.20	6.10
	9/17/2020	0.769	472	<0.500	0.272	1.06	40.8	467	73.4	6.45	119	1,930	1,110	<4.00	1.10	6.14
	9/25/2020	0.779	541	<0.500	0.150	<0.100	44.0	386	75.9	5.86	133	1,680	1,110	<4.00	6.70	6.17
	10/1/2020	0.721	466	<0.500	0.173	<0.100	41.4	398	75.5	6.25	124	1,940	1,110	<4.00	3.30	6.07
	10/9/2020	0.786	527	<0.500	0.161	<0.100	43.8	426	79.8	6.90	139	2,220	1,090	<4.00	1.90	6.21
	10/16/2020	0.595	460	0.511	<0.100	<2.00	45.7	376	72.5	5.90	122	2,020	1,080	<4.00	4.80	6.20
	11/24/2020	0.817	572	<0.500	0.124	2.07	37.5	438	79.6	6.56	141	2,200	1,100	<4.00	2.60	6.45
	12/4/2020	0.687	706	<0.500	0.142	3.27	30.9	405	75.8	7.09	143	2,000	1,050	<4.00	9.30	6.33
	12/11/2020	0.816	487	0.949	0.197	1.80	33.4	445	82.0	6.90	133	1,990	1,160	<4.00	0.200	6.20
	12/18/2020	0.763	497	<5.00	0.129	1.87	37.6	424	79.5	6.97	137	1,910	1,180	<4.00	2.70	6.39
	12/23/2020	0.613	477	<5.00	0.108	<0.100	38.3	416	78.2	7.82	129	1,800	1,290	<4.00	5.70	6.22
	12/30/2020	0.712	493	<0.500	<0.100	<0.100	40.1	448	80.0	6.21	139	2,120	1,340	<4.00	4.40	6.14
	1/6/2021	0.784	504	<0.500	0.155	2.61	23.0	400	79.8	6.14	135	2,210	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	6.31
	2/24/2021	0.695	576	<0.500	0.163	2.6	31.4	450	81.3	7.94	164	2,260	1,190	<4.00	2.50	6.22
	3/4/2021	0.789	585	<0.500	0.121	0.215	54.1	425	77.8	6.41	151	2,090	1,050	<4.00	3.00	6.34
	3/10/2021	0.756	540	<0.500	0.147	<0.100	45.5	417	76.3	5.54	139	1,940	1,160	<4.00	5.10	6.29
	3/17/2021	0.813	519	1.21	0.169	<0.100	33.8	436	71.3	6.10	127	1,910	1,200	<4.00	4.70	5.97
	3/25/2021	<10.0	529	<10.0	<2.00	1.99 J	20.2	435	78.0	7.14	136	2,320	1,250	<4.00	-10.80	6.6
	3/31/2021	0.785	499	0.358 J	0.130	<0.0293	16.5	416	74.3	6.73	132	1,650	1,150	<4.00	-9.18	6.4
	4/8/2021	<0.500	254	0.869	<0.100	0.121	23.3	271	46.7	5.00	74.5	1,120	785	<4.00	-9.60	6.5
	4/15/2021	0.545	253	0.939	<0.100	<0.100	34.1	283	53.5	4.66	82.8	998	793	<4.00	-7.22	6.5
	4/21/2021	0.460 J	253	0.729	0.125	<0.0293	9.23	278	52.4	4.83	81.4	1,210	869	<4.00	-10.1	6.4
	4/28/2021	0.841	497	0.196 J	0.133	<0.0293	21.2	416	75.8	6.88	133	2,000	1,290	<4.00	-12.5	6.3
	5/5/2021	0.780	475	0.362 J	0.151	<0.0293	13.6	428	80.1	7.43	123	2,120	1,230	<4.00	-9.6	6.2
	5/13/2021	0.469 J	239	1.01	0.126	0.756 J	28.5	238	46.1	4.10	72.6	1,150	737	<4.00	-11.9	6.7
	5/19/2021	0.725	566	0.324 J	<0.0391	2.93	21.0	494	91.6	8.14	164	2,160	1,260	<4.00	-5.71	6.3
	5/27/2021	0.579	419	0.499 J	0.137	0.136	16.7	406	73.3	6.47	123	1,370	810	<4.00	1.85	6.5

ENSOLUM

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

Sample Designation	Date	(mg/l)													%	SU
		Bromide	Chloride	Fluoride	Nitrate as N	Nitrite as N	Sulfate	Calcium	Magnesium	Potassium	Sodium	Total Dissolved Solids	Alkalinity, Bicarbonate (as CaCO3)	Alkalinity, Carbonate (as CaCO3)	Cation-Anion Balance	pH
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		NE	250.0	1.6	10.0	1.0	NE	NE	NE	NE	NE	1,000.0	NE	NE	NE	6-9
Levey Well (Continued)	6/2/2021	0.712	488	0.303 J	0.128	<0.0293	23.7	447	82.8	7.43	139	2,140	1,120	<4.00	-4.83	6.3
	6/10/2021	0.415 J	247	1.10	0.124	1.38	22.2	273	54.9	4.90	84.8	1,270	669	<4.00	-2.53	6.5
	6/16/2021	0.405 J	227	0.946	0.125	<0.0293	11.5	267	56.0	4.64	84.4	1,500	723	<4.00	-3.70	6.7
	6/22/2021	0.405 J	230	1.00	0.117	1.67	28.9	298	53.1	4.74	80.7	1,230	657	<4.00	0.795	6.7
	6/30/2021	0.398 J	237	1.07	0.140	0.205	23.8	258	51.9	4.32	74.6	1,200	676	<4.00	-5.560	6.9
	7/1/2021	Levey Well Now Running Full Time														
	7/7/2021	0.469 J	305	0.705	0.128	<0.0293	41.3	337	67.2	5.46	96.3	1,780	764	<4.00	-0.751	6.6
	7/14/2021	0.446 J	297	0.753	0.151	0.167	41.6	323	61.9	4.56	87.0	1,200	785	<4.00	-3.73	6.4
	7/20/2021	0.180 J	290	0.223 J	0.0457 J	<0.0293	38.2	317	65.9	5.31	96.1	1,620	854	<4.00	-5.11	6.4
	7/27/2021	0.437 J	281	0.491 J	0.126	1.42	41.3	338	66.9	5.14	95.9	1,240	790	<4.00	-0.522	6.2
	8/5/2021	0.400 J	275	0.565	0.158	<0.0293	43.3	334	68.8	5.00	90.9	1,610	714	<4.00	2.12	6.6
	8/11/2021	0.446 J	261	0.512	0.154	1.81	43.2	298	64.8	4.96	89.8	1,470	764	<4.00	-3.46	6.4
	8/19/2021	0.583	380	0.357 J	0.177	0.694	39.1	336	68.2	6.69	111	2,030	769	<4.00	-3.85	6.6
	8/25/2021	0.483 J	249	0.680	0.125	1.13	41.4	305	59.6	4.65	83.9	1,050	698	<4.00	-0.532	6.6
	9/2/2021	0.418 J	233	0.688	0.110	0.147	20.1	287	52.2	3.98	75.2	1,140	588	<4.00	2.27	7.0
	9/8/2021	0.357 J	257	0.442 J	0.0997 J	1.20	43.4	300	61.8	4.83	87.3	1,360	703	<4.00	-1.15	6.6
	9/14/2021	0.372 J	250	0.511	0.118	1.11	42.3	285	58.7	4.81	81.7	988	730	<4.00	-4.44	6.4
	9/21/2021	0.546	227	0.951	0.224	<0.0293	37.4	313	68.2	5.30	97.5	1,080	610	<4.00	7.72	6.6
	9/29/2021	0.535	248	0.542	0.186	0.164	41.9	302	59.9	4.60	85.4	1,410	765	<4.00	-2.94	6.6
	10/7/2021	0.454 J	235	0.582	1.10	<0.0293	40.5	323	65.5	4.79	88.3	1,310	765	<4.00	0.449	6.6
	10/13/2021	0.459 J	238	0.608	0.198	1.10	40.9	252	52.7	3.97	75.6	1,030	765	<4.00	-10.6	6.7
	10/21/2021	0.470 J	227	0.557	0.143	<0.0293	36.9	238	51.0	3.54	72.5	1,250	722	<4.00	-10.2	6.5
	10/27/2021	0.444 J	238	0.469 J	0.193	0.0910 J	42.5	330	67.2	5.31	94.2	1,290	706	<4.00	3.95	6.7
	11/5/2021	0.367 J	231	1.45	0.220	<0.0293	41.7	328	63.6	5.06	90.7	1,050	657	<4.00	5.76	6.9
	11/11/2021	0.379 J	229	0.594	0.238	<0.0293	36.9	221	48.1	3.36	71.5	1,140	571	<4.00	-5.92	7.0
	11/18/2021	0.560	247	0.397 J	0.176	<0.0293	44.3	276	50.8	4.29	76.4	1,350	698	<4.00	-5.71	6.6
	11/24/2021	0.455 J	232	0.646	0.203	0.718	41.9	253	52.5	4.07	76.6	1,240	546	<4.00	-0.200	6.6
	12/1/2021	0.497 J	233	0.652	0.144	<0.0293	42.0	284	55.9	4.31	82.4	1,040	644	<4.00	-0.133	6.9
	12/8/2021	0.516	230	0.620	0.187	<0.0293	42.5	261	55.8	4.20	82.9	1,200	633	<4.00	-1.56	6.5
	12/16/2021	0.490 J	228	0.528	0.251	<0.0293	42.1	282	55.3	4.13	81.9	1,280	649	<4.00	-0.883	6.4
	12/22/2021	0.480 J	230	0.294 J	0.223	<0.0293	43.3	304	58.5	4.66	85.8	1,270	619	<4.00	3.67	6.4
	12/29/2021	0.476 J	225	0.588	0.224	<0.0293	43.8	300	57.5	4.69	84.9	1,220	657	<4.00	1.62	6.6
	1/6/2022	0.386 J	226	0.500	0.182	<0.0293	42.7	278	52.9	4.11	79.0	1,650	711	<4.00	-4.09	6.4
	1/12/2022	0.438 J	223	0.561	0.178	<0.0293	42.8	254	49.2	3.60	71.9	1,090	633	<4.00	-4.90	6.1
	1/19/2022	0.446 J	223	0.523	0.178	<0.0293	43.6	288	57.2	4.34	80.1	1,780	688	<4.00	-1.41	6.3
	1/26/2022	0.440 J	220	0.580	0.181	0.0834 J	41.7	286	56.4	4.50	85.1	1,140	706	<4.00	-1.64	6.4
	2/2/2022	Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze.														
	2/8/2022	0.780	329	1.24	<0.0391	0.420	62.0	272	58.5	4.77	97.0	1,410	756	<4.00	-11.40	6.5
	2/16/2022	0.488 J	217	0.769	0.0551 J	0.349	27.9	212	46.2	3.76	74.5	1,070	555	<4.00	-6.59	6.6
	2/25/2022	0.726	484	0.902	0.141	<0.0293	31.2	429	78.2	6.80	139	1,960	1,210	<4.00	-9.05	6.4
	3/3/2022	0.606	380	1.76	0.220	0.175	39.8	410	78.2	7.36	137	2,130	1,190	<4.00	-6.76	6.3
	3/9/2022	0.507	355	1.10	0.147	<0.0293	42.6	422	79.4	7.55	129	1,820	1,160	<4.00	-4.98	6.3
	3/14/2022	Booster Pump for Levey Well Repaired and Back on Running Full Time.														
	3/16/2022	0.380 J	229	0.464 J	0.208	<0.0293	42.2	258	55.9	4.48	85.6	1,190	673	<4.00	-4.29	6.4
	3/24/2022	0.539	230	0.709	<0.0391	<0.0293	43.4	252	51.3	4.07	81.5	1,390	644	<4.00	-4.80	6.5
	3/31/2022	0.515	223	0.690	0.239	<0.0293	44.0	245	52.7	3.79	77.2	1,220	641	<4.00	-5.18	6.4
	4/6/2022	0.540	218	0.868	0.0931 J	<0.0293	42.4	256	50.3	3.90	76.6	1,220	619	<4.00	-2.94	6.4
	4/13/2022	0.400 J	212	0.773	0.111	<0.0293	42.0	256	51.3	3.87	74.5	1,200	650	<4.00	-3.94	6.6
	4/20/2022	0.496 J	218	0.651	0.268	<0.0293	44.6	238	48.7	4.05	75.0	1,260	686	<4.00	-8.77	6.6
	4/28/2022	0.477 J	214	0.690	0.104	<0.0293	43.2	272	55.4	4.43	84.3	1,140	658	<4.00	-1.11	6.8
	5/5/2022	0.352 J	217	0.567	0.737 J	1.93	41.8	233	49.1	3.67	82.4	1,210	659	<4.00	-7.39	6.6
	5/10/2022	0.589	219	0.643	0.100	<0.0293	44.6	301	61.6	4.74	90.5	1,080	652	<4.00	2.74	6.4
	5/19/2022	0.551	217	0.519	<0.0391	<0.0293	45.9	242	51.7	4.08	74.8	1,040	421	<4.00	5.76	6.7
	5/26/2022	0.606	212	0.714	0.0986 J	2.77	41.2	215	38.7	2.93	66.7	1,240	683	<4.00	-11.5	6.2
	6/1/2022	0.449 J	205	0.788	0.0622 J	<0.0293	37.2	219	42.0	3.22	67.7	1,100	402	<4.00	2.15	7.0
	6/9/2022	0.395 J	215	0.332 J	0.0721 J	<0.0293	44.2	295	53.3	4.27	80.9	1,170	712	<4.00	-1.83	6.3
	6/17/2022	0.282 J	204	0.643	0.151	<0.0293	43.9	190	35.3	2.54	59.9	1,160	619	<4.00	-16.7	6.4
	6/23/2022	0.321 J	206	0.377 J	0.250	<0.0293	38.4	306	47.2	3.80	73.0	1,150	454	<4.00	11.3	6.5
	6/29/2022	0.350 J	213	0.505	0.207	<0.0293	44.4	243	49.9	3.79	77.7	889	674	<4.00	-6.92	6.3
	7/7/2022	0.425 J	214	0.609	<0.0391	<0.0293	46.0	251	50.6	3.88	77.0	1,470	592	<4.00	-2.28	6.5
	7/13/2022	0.393 J	212	0.663	0.129	<0.0293	46.2	245	48.1	3.89	74.2	1,160	417	<4.00	5.53	6.3
	7/20/2022	0.468 J	207	0.383 J	0.0538 J	<0.0293	47.5	251	51.8	4.12	77.2	1,170	742	<4.00	-8.12	6.4
	7/27/2022	0.437 J	209	0.349 J	0.201	<0.0293	46.2	215	42.6	3.22	68.3	1,350	601	<4.00	-9.64	6.7
	8/4/2022	0.483 J	211	0.453 J	0.236	<0.0293	45.4	199	39.8	3.04	65.6	1,300	600	<4.00	-13.2	6.4
	8/10/2022	0.464 J	215	0.475 J	0.103	<0.0293	44.3	278	53.6	4.27	78.9	1,160	567	<4.00	3.02	6.5
	8/18/2022	0.473 J	213	0.552	0.157	<0.0293	45.4	261	52.0	4.22	80.6	1,370	563	<4.00	0.748	6.5
	8/24/2022	0.500	222	0.674	<0.100	<0.100	48.7	229	46.5	3.28	72.0	1,280	728	<4.00	-12.7	6.6
	8/31/2022	0.434 J	217	0.468 J	<0.0391	<0.0293	46.8	253	50.7	4.20	79.3	1,270	651	<4.00	-4.91	6.9
	9/15/2022	1.55	218	0.688	0.116	<0.0293	47.4	241	52.6	4.39	81.7	1,170	618	<4.00	-4.19	6.4
	9/22/2022	0.468 J	217	0.316 J	0.546	<0.0293	52.8	179	39.9	3.11	66.4	1,250	613	<4.00	-17.7	6.4
	9/28/2022	2.32	214	0.688	0.234	<0.0293	47.2	242	48.3	4.11	73.6	1,160	592	<4.00	-4.04	6.4
	10/4/2022	0.515	200	0.740	0.396	<0.0293	45.0	242	50.2	4.07	78.2	706	456	<4.00	4.21	6.6
	10/14/2022	0.495 J	212	0.655	0.464	<0.0293	49.1	208	42.7	3.22	68.5	1,250	719	<4.00	-16.5	6.3
	10/19/2022	1.08 J	206	0.612 J	0.359	<0.0293	46.0	250	51.3	4.05	81.9	1,340	676	<4.00	-5.64	6.6
	10/27/2022	0.412 J	201	0.631	0.0757 J	0.690	40.1	322	64.8	5.47	95.2	977	740	<4.00	3.53	6.4
	11/2/2022	0.473 J	216	0.509	0.165	<0.0293	46.1	247	49.2	4.26	76.4	1,230	681	<4.00	-6.86	6.3
	11/9/2022	0.461 J	218	0.683	0.0934 J	<0.0293	46.5	238	44.2	3.36	73.3	1,450	708	<4.00	-11.0	6.5
	11/16/2022	0.480 J	219	0.493 J	0.154	<0.0293	47.5	250	50.0	4.20	78.0	1,340	611	<4.00	-3.43	6.8
	11/30/2022	0.487 J	218	0.710	0.0811 J	<0.0293	44.9	208	43.2	3.12	70.9	1,270	618	<4.00	-11.7	6.7
	12/9/2022	0.335 J	206	0.685	0.153	0.108	40.5	244	49.3	3.61	62.9	1,170	626	<4.00	-5.72	6.5
	12/15/2022	0.311 J	211	0.628	0.137	<0.0293	40.5	254	48.3	4.05	76.3	956	440	<4.00	6.29	6.3
	12/21/2022	0.392 J	214	0.732	0.144	<0.0293	44.5	258	49.1	4.69	80.4	1,130	656	<4.00	-3.79	6.5
	12/29/2022	0.515	209	0.568	0.0543 J	<0.0293	43.5	242	45.9	3.93	74.9	1,060	670	<4.00	-7.08	6.6
	1/4/2023	Electrical Failure, Unable to Sample.														
	1/13/2023	0.562	292	0.202 J	0.227	<0.0293	35.2	393	71.7	6.96	125	1,800	949	<4.00	1.05	6.4
	1/19/2023	0.658	304	0.191 J	0.109	<0.0293	53.7	450	84.0	7.71	133	1,730	1,140	<4.00	0.441	6.3
	1/25/2023	0.525	298	0.207 J	0.0992 J	<0.0293	46.7	416	72.6	6.84	119	1,760	1,110	<4.00	-2.84	6.7

ENSOLUM

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

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

ENSOLUM

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

Sample Designation	Date	(mg/l)													%	SU
		Bromide	Chloride	Fluoride	Nitrate as N	Nitrite as N	Sulfate	Calcium	Magnesium	Potassium	Sodium	Total Dissolved Solids	Alkalinity, Bicarbonate (as CaCO3)	Alkalinity, Carbonate (as CaCO3)	Cation-Anion Balance	pH
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		**NE**	**250.0**	**1.6**	**10.0**	**1.0**	**NE**	**NE**	**NE**	**NE**	**NE**	**1,000.0**	**NE**	**NE**	**NE**	**6-9**
MW-1 (Continued)	3/24/2022	NA	**147**	**0.610**	<0.0391	<0.0293	**42.9**	NA					**297**	<4.00	NA	**7.2**
	3/31/2022	NA	**143**	**0.568**	**0.164**	<0.0293	**40.4**	NA					**275**	<4.00	NA	**7.1**
	4/6/2022	NA	**133**	**0.677**	**0.186**	<0.0293	**39.7**	NA					**262**	<4.00	NA	**7.1**
	4/13/2022	NA	**129**	**0.767**	<0.0391	<0.0293	**40.9**	NA					**259**	<4.00	NA	**7.6**
	4/20/2022	NA	**173**	**0.574**	**0.152**	**0.176**	**42.4**	NA					**362**	<4.00	NA	**7.0**
	4/28/2022	NA	**136**	**0.608**	**0.0700 J**	**0.0717 J**	**41.7**	NA					**300**	<4.00	NA	**7.5**
	5/5/2022	NA	**118**	**0.746**	<0.0391	**1.75**	**41.1**	NA					**253**	<4.00	NA	**7.2**
	5/10/2022	NA	**116**	**0.709**	**0.0815 J**	<0.0293	**43.9**	NA					**250**	<4.00	NA	**7.2**
	5/19/2022	NA	**106**	**0.643**	**0.0743 J**	**0.199**	**41.0**	NA					**262**	<4.00	NA	**7.1**
	5/26/2022	NA	**98.7**	**0.720**	**0.0777 J**	**0.809**	**44.7**	NA					**256**	<4.00	NA	**7.2**
	6/1/2022	NA	**100**	**0.690**	**0.0629 J**	<0.0293	**46.4**	NA					**240**	<4.00	NA	**7.4**
	6/9/2022	NA	**99.9**	**0.743**	<0.0391	<0.0293	**46.6**	NA					**246**	<4.00	NA	**7.1**
	6/17/2022	NA	**83.5**	**0.710**	**0.146**	**0.275**	**47.9**	NA					**253**	<4.00	NA	**7.3**
	6/23/2022	NA	**83.9**	**0.616**	**0.238**	<0.0293	**47.7**	NA					**258**	<4.00	NA	**7.2**
	6/29/2022	NA	**84.8**	**0.644**	**0.199**	**0.556**	**48.0**	NA					**264**	<4.00	NA	**7.2**
	7/7/2022	NA	**83.7**	**0.660**	**0.0413 J**	**0.0458 J**	**47.7**	NA					**238**	<4.00	NA	**7.4**
	7/13/2022	NA	**91.3**	**0.778**	**0.102**	<0.0293	**49.2**	NA					**253**	<4.00	NA	**7.2**
	7/20/2022	NA	**81.5**	**0.766**	<0.0391	<0.0293	**48.5**	NA					**249**	<4.00	NA	**7.2**
	7/27/2022	NA	**85.8**	**0.766**	**0.0482 J**	<0.0293	**47.2**	NA					**268**	<4.00	NA	**7.7**
	8/4/2022	NA	**77.5**	**0.633**	**0.126**	**0.118**	**43.1**	NA					**253**	<4.00	NA	**7.2**
	8/10/2022	NA	**68.3**	**0.737**	<0.0391	**0.212**	**40.9**	NA					**278**	<4.00	NA	**7.2**
	8/18/2022	NA	**77.7**	**0.752**	**0.0696 J**	**0.154**	**39.4**	NA					**262**	<4.00	NA	**7.0**
	8/24/2022	NA	**92.0**	**0.739**	<0.100	<0.100	**40.8**	NA					**273**	<4.00	NA	**7.2**
	8/31/2022	NA	**85.9**	**0.628**	<0.0391	<0.0293	**36.7**	NA					**277**	<4.00	NA	**7.4**
	9/15/2022	NA	**86.4**	**1.03**	**0.0909 J**	**0.206**	**33.4**	NA					**277**	<4.00	NA	**7.0**
	9/22/2022	NA	**95.8**	**0.585**	**0.518**	<0.0293	**38.4**	NA					**280**	<4.00	NA	**7.3**
	9/28/2022	NA	**91.2**	**0.702**	<0.0391	<0.0293	**32.8**	NA					**285**	<4.00	NA	**7.3**
	10/4/2022	NA	**75.6**	**0.803**	**0.376**	**0.201**	**33.7**	NA					**272**	<4.00	NA	**7.2**
	10/14/2022	NA	**81.0**	**0.807**	**0.360**	**0.195**	**33.1**	NA					**266**	<4.00	NA	**7.3**
	10/19/2022	NA	**136**	<0.100	<0.0391	<0.0293	**19.2**	NA					**283**	<4.00	NA	**7.4**
	10/27/2022	NA	**80.4**	**0.750**	**0.0601 J**	**0.423**	**29.8**	NA					**277**	<4.00	NA	**7.4**
	11/2/2022	NA	**80.0**	**0.681**	**0.120**	**0.154**	**29.8**	NA					**252**	<4.00	NA	**7.2**
	11/9/2022	NA	**81.1**	**0.746**	**0.141**	**0.117**	**32.5**	NA					**294**	<4.00	NA	**7.4**
	11/16/2022	NA	**82.2**	**0.738**	**0.120**	**0.384**	**30.9**	NA					**282**	<4.00	NA	**7.3**
	11/30/2022	NA	**88.1**	**0.602**	**0.140**	**0.141**	**45.4**	NA					**300**	<4.00	NA	**7.3**
	12/9/2022	NA	**83.7**	**0.809**	**0.0610 J**	**0.247**	**44.2**	NA					**309**	<4.00	NA	**7.5**
	12/15/2022	NA	**82.1**	**0.786**	<0.0391	**0.121**	**44.3**	NA					**348**	<4.00	NA	**7.2**
	12/21/2022	NA	**84.4**	**0.676**	**0.0802 J**	<0.0293	**43.6**	NA					**377**	<4.00	NA	**7.3**
	12/29/2022	NA	**77.3**	**0.555**	**0.211**	**0.310**	**33.4**	NA					**409**	<4.00	NA	**7.1**
	1/4/2023	NA	**75.9**	**0.863**	**0.0857 J**	<0.0293	**39.7**	NA					**354**	<4.00	NA	**7.4**
	1/13/2023	NA	**76.2**	**0.600**	**0.208**	**0.266**	**41.1**	NA					**357**	<4.00	NA	**7.2**
	1/19/2023	NA	**82.6**	**0.624**	<0.0391	<0.0293	**49.2**	NA					**340**	<4.00	NA	**7.1**
	1/25/2023	NA	**73.7**	**0.631**	**0.0564 J**	**0.149**	**47.7**	NA					**363**	<4.00	NA	**7.4**

ENSOLUM

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

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

ENSOLUM

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

Sample Designation	Date	(mg/l)													%	SU
		Bromide	Chloride	Fluoride	Nitrate as N	Nitrite as N	Sulfate	Calcium	Magnesium	Potassium	Sodium	Total Dissolved Solids	Alkalinity, Bicarbonate (as CaCO3)	Alkalinity, Carbonate (as CaCO3)	Cation-Anion Balance	pH
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		**NE**	**250.0**	**1.6**	**10.0**	**1.0**	**NE**	**NE**	**NE**	**NE**	**NE**	**1,000.0**	**NE**	**NE**	**NE**	**6-9**
MW-2 (Continued)	3/31/2022	NA	**150**	<0.100	<0.0391	**1.65**	**106**	NA					**1,340**	<4.00	NA	**6.3**
	4/6/2022	NA	**130**	**0.175 J**	**0.619**	**1.60**	**111**	NA					**1,360**	<4.00	NA	**6.2**
	4/13/2022	NA	**135**	**0.271 J**	**0.589**	**1.67**	**108**	NA					**1,380**	<4.00	NA	**6.5**
	4/20/2022	NA	**198**	**0.174 J**	**0.966**	**0.722**	**121**	NA					**1,330**	<4.00	NA	**6.4**
	4/28/2022	NA	**156**	**0.172 J**	**0.711**	**0.434**	**118**	NA					**1,380**	<4.00	NA	**6.4**
	5/5/2022	NA	**116**	**0.229 J**	**0.586**	**11.5**	**112**	NA					**1,330**	<4.00	NA	**6.3**
	5/10/2022	NA	**134**	**0.230 J**	**0.548**	**1.83**	**120**	NA					**1,320**	<4.00	NA	**6.3**
	5/19/2022	NA	**133**	**0.116 J**	<0.0391	**0.373**	**118**	NA					**1,380**	<4.00	NA	**6.2**
	5/26/2022	NA	**107**	**0.196 J**	**0.392**	**1.14**	**104**	NA					**1,320**	<4.00	NA	**6.0**
	6/1/2022	NA	**130**	**0.107 J**	**0.481**	**1.47**	**116**	NA					**1,340**	<4.00	NA	**6.3**
	6/9/2022	NA	**103**	<0.100	**0.330**	**0.236**	**103**	NA					**1,320**	<4.00	NA	**6.2**
	6/17/2022	NA	**99.0**	**0.213 J**	**0.395**	**0.702**	**102**	NA					**1,290**	<4.00	NA	**6.4**
	6/23/2022	NA	**109**	<0.100	**0.494**	**5.21**	**107**	NA					**1,270**	<4.00	NA	**6.3**
	6/29/2022	NA	**82.6**	**0.111 J**	**0.351**	**0.827**	**89.7**	NA					**1,330**	<4.00	NA	**6.2**
	7/7/2022	NA	**107**	**0.141 J**	**0.399**	**0.440**	**98.3**	NA					**1,300**	<4.00	NA	**6.4**
	7/13/2022	NA	**95.3**	**0.262 J**	**0.306**	**1.23**	**100**	NA					**1,280**	<4.00	NA	**6.2**
	7/20/2022	NA	**134**	<0.100	**0.485**	**1.46**	**122**	NA					**1,360**	<4.00	NA	**6.3**
	7/27/2022	NA	**101**	<0.100	**0.403**	**3.86**	**105**	NA					**1,340**	<4.00	NA	**6.4**
	8/4/2022	NA	**107**	**0.112 J**	**0.451**	**0.477**	**99.9**	NA					**1,250**	<4.00	NA	**6.2**
	8/10/2022	NA	**89.4**	**0.189 J**	**0.189**	**0.210**	**97.2**	NA					**1,260**	<4.00	NA	**6.3**
	8/18/2022	NA	**99.1**	**0.122 J**	**0.333**	**0.303**	**100**	NA					**1,280**	<4.00	NA	**6.3**
	8/24/2022	NA	**110**	**0.172 J**	**0.282**	**0.427**	**103**	NA					**1,290**	<4.00	NA	**6.3**
	8/31/2022	NA	**94.8**	<0.100	**0.175**	**0.238**	**94.4**	NA					**1,280**	<4.00	NA	**6.3**
	9/15/2022	NA	**94.4**	**0.538**	**0.232**	**2.31**	**98.7**	NA					**1,320**	<4.00	NA	**6.3**
	9/22/2022	NA	**94.4**	**0.260 J**	**0.650**	**0.481**	**105**	NA					**1,320**	<4.00	NA	**6.3**
	9/28/2022	NA	**91.2**	**0.498 J**	**0.261**	<0.0293	**92.5**	NA					**1,280**	<4.00	NA	**6.3**
	10/4/2022	NA	**88.9**	**0.143 J**	**0.497**	**0.189**	**97.0**	NA					**1,320**	<4.00	NA	**6.2**
	10/14/2022	NA	**82.6**	**0.101 J**	<0.0391	**0.0760 J**	**84.6**	NA					**1,320**	<4.00	NA	**6.2**
	10/19/2022	NA	**51.2**	<0.100	**0.101**	<0.0293	**48.5**	NA					**1,290**	<4.00	NA	**6.5**
	10/27/2022	NA	**124**	**0.165 J**	**0.319**	**0.871**	**104**	NA					**1,340**	<4.00	NA	**6.3**
	11/2/2022	NA	**91.1**	**0.148 J**	**0.221**	**0.947**	**92.9**	NA					**1,330**	<4.00	NA	**6.2**
	11/9/2022	NA	**97.8**	**0.161 J**	**0.273**	**0.366**	**101**	NA					**1,430**	<4.00	NA	**6.4**
	11/16/2022	NA	**86.0**	**0.180 J**	**0.206**	**0.579**	**91.4**	NA					**1,300**	<4.00	NA	**6.6**
	11/30/2022	NA	**90.4**	**0.133 J**	**0.264**	**0.168**	**91.1**	NA					**1,300**	<4.00	NA	**6.4**
	12/9/2022	NA	**78.0**	**0.158 J**	**0.217**	**0.785**	**82.5**	NA					**1,290**	<4.00	NA	**6.4**
	12/15/2022	NA	**100**	**0.120 J**	**0.331**	**1.64**	**91.2**	NA					**1,140**	<4.00	NA	**6.2**
	12/21/2022	NA	**94.8**	**0.212 J**	**0.252**	**1.16**	**99.5**	NA					**1,270**	<4.00	NA	**6.3**
	12/29/2022	NA	**124**	**0.114 J**	**0.527**	**0.338**	**95.6**	NA					**1,250**	<4.00	NA	**6.5**
	1/4/2023	NA	**92.6**	**0.126 J**	**0.318**	**1.23**	**88.2**	NA					**1,140**	<4.00	NA	**6.4**
	1/13/2023	NA	**72.6**	**0.112 J**	**0.227**	**0.381**	**81.1**	NA					**1,210**	<4.00	NA	**6.4**
	1/19/2023	NA	**96.5**	**0.135 J**	**0.185**	**0.320**	**96.7**	NA					**1,270**	<4.00	NA	**6.2**
	1/25/2023	NA	**83.2**	**0.133 J**	**0.128**	**0.416**	**87.9**	NA					**1,110**	<4.00	NA	**6.5**

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

ENSOLUM

TABLE 3
GROUNDWATER SAMPLING (Additional Parameters) ANALYTICAL DATA SUMMARY
South Hobbs G/SA Unit
Oxy Permian Ltd.
Hobbs, New Mexico
Ensolum Project No. 03B1417002

Sample Designation	Date	(mg/l)						°C
		Sulfide	Carbon Dioxide (Free)	TPH GRO	TPH DRO	TPH ORO	Total TPH	Temperature
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		NE	NE	NE	NE	NE	NE	NE
MW-1	5/26/2020	<0.495	**163**	<0.943	**1.48**	<0.910	**1.48**	**22.9**
	6/30/2020	<5.00	**648**	<2.34	<2.34	<2.34	<2.34	**21.9**
	8/20/2020	<5.00	**596**	**2.35**	**3.18**	<2.26	**5.53**	**23.7**
	11/24/2020	<0.495	**756**	<0.907	<0.838	<0.838	<0.8380	**19.1**
	12/18/2020	<0.495	**432**	<0.909	<0.840	<0.840	<0.840	**15.8**
	12/23/2020	<0.495	**553**	<0.895	**1.81 J**	<0.827	**1.81 J**	**15.5**
	12/30/2020	<0.495	**1,170**	<0.917	<0.847	<0.847	<0.847	**13.1**
	1/6/2021	<0.495	**585**	<0.897	<0.829	<0.829	<0.829	**12.7**
	1/12/2021	<0.495	**731**	<0.891	<0.823	<0.823	<0.823	**14.6**
	1/20/2021	**0.600 J**	**667**	<0.889	<0.821	<0.821	<0.821	**17.6**
	1/27/2021	**0.800 J**	**668**	<0.909	<0.840	<0.840	<0.840	**18.0**
	2/3/2021	<0.495	**699**	<0.907	<0.838	<0.838	<0.838	**20.6**
	2/10/2021	**1.20 J**	**423**	**1.66 J**	<0.828	<0.828	**1.66 J**	**14.1**
	2/24/2021	**0.600 J**	**448**	<0.884	<0.817	<0.817	<0.817	**18.0**
	3/4/2021	<0.495	**515**	**3.04**	**1.03 J**	<0.846	**4.07**	**18.8**
	3/10/2021	**1.20 J**	**499**	<0.878	<0.811	<0.811	<0.811	**18.6**
	3/17/2021	<0.495	**378**	<0.886	<0.819	<0.819	<0.819	**19.1**
	3/25/2021	<0.495	**333**	**17.2**	**1.00 J**	<0.867	**18.2**	**20.2**
	3/31/2021	<0.495	**526**	<0.893	<0.825	<0.825	<0.825	**18.4**
	4/8/2021	<0.495	**364**	**2.57 J**	**1.55 J**	<0.867	**4.12 J**	**18.9**
	4/15/2021	<0.495	**418**	<0.887	<0.887	**1.72 J**	**1.72 J**	**20.5**
	4/21/2021	<0.495	**415**	<0.898	**2.05 J**	<0.867	**2.05 J**	**18.8**
	4/28/2021	<0.495	**689**	<0.890	**1.19 J**	<0.859	**1.19 J**	**18.9**
	5/5/2021	<0.495	**647**	<0.890	<0.890	<0.859	<0.890	**18.8**
	5/13/2021	<0.495	**259**	<0.893	<0.893	<0.862	<0.893	**19.0**
	5/19/2021	<0.495	**679**	<0.893	<0.893	<0.862	<0.893	**21.5**
	5/27/2021	<0.495	**973**	<0.923	<0.923	<0.891	<0.923	**20.6**
	6/2/2021	<0.495	**619**	<0.918	<0.918	<0.886	<0.918	**18.1**
	6/10/2021	<0.495	**385**	<0.915	<0.915	<0.883	<0.915	**22.0**
	6/16/2021	<0.495	**323**	<0.926	<0.926	<0.894	<0.926	**18.2**
	6/22/2021	<0.495	**250**	<0.938	<0.938	<0.905	<0.938	**22.1**
	6/30/2021	<0.495	**324**	<0.923	<0.923	<0.891	<0.923	**21.0**
	7/1/2021	Levey Well Now Running Full Time						
	7/7/2021	<0.495	**241**	<0.901	<0.901	<0.869	<0.901	**18.4**
	7/14/2021	<0.495	**295**	<0.991	<0.957	<0.991	<0.991	**19.0**
	7/20/2021	<0.495	**321**	<0.938	<0.938	<0.905	<0.938	**19.8**
	7/27/2021	<0.495	**321**	<0.906	<0.906	<0.875	<0.906	**22.0**
	8/5/2021	<0.495	**196**	<0.950	<0.950	<0.917	<0.950	**21.9**
	8/11/2021	<0.495	**369**	<0.932	<0.932	<0.900	<0.932	**19.9**
	8/19/2021	<0.495	**457**	<0.950	<0.950	<0.917	<0.950	**20.8**
	8/25/2021	<0.495	**477**	<0.918	<0.918	<0.886	<0.918	**20.0**
	9/2/2021	<0.495	**416**	<0.935	<0.935	<0.902	<0.935	**20.6**
	9/8/2021	<0.495	**280**	<0.953	<0.953	<0.920	<0.953	**21.4**
	9/14/2021	<0.495	**289**	<0.932	**0.978 J**	<0.900	**0.978 J**	**19.3**
	9/21/2021	**1.00 J**	**105**	<0.918	<0.918	<0.886	<0.918	**18.0**
	9/29/2021	<0.495	**127**	<0.998	<0.998	<0.963	<0.998	**18.7**
	10/7/2021	<0.495	**143**	<0.923	<0.923	<0.891	<0.923	**18.0**
	10/13/2021	<0.495	**8.85**	<0.950	<0.950	<0.917	<0.950	**20.7**
	10/21/2021	<0.495	**434**	<0.918	<0.918	<0.886	<0.918	**19.9**
	11/5/2021	<0.495	**114**	<1.03	<1.03	<0.993	<1.03	**22.9**
	11/11/2021	<0.495	**563**	<0.923	<0.923	<0.891	<0.923	**19.3**
	11/18/2021	<0.495	**24.9**	**1.05 J**	<0.969	<0.935	**1.05 J**	**19.0**
	11/24/2021	<5.00	**159**	<4.70	<4.70	<4.70	<4.70	**19.7**
	12/1/2021	<0.495	**39.0**	<0.935	<0.935	<0.902	<0.935	**19.4**
	12/8/2021	<0.495	**122**	<0.929	<0.929	<0.897	<0.929	**18.1**
	12/16/2021	<0.495	**69.3**	<0.962	<0.962	<0.929	<0.962	**18.0**
	12/22/2021	<0.495	**49.5**	**1.34 J**	<0.941	<0.908	**1.34 J**	**21.5**
	12/29/2021	<0.495	**50.2**	<0.935	<0.935	<0.902	<0.935	**18.1**

ENSOLUM

TABLE 3
GROUNDWATER SAMPLING (Additional Parameters) ANALYTICAL DATA SUMMARY
South Hobbs G/SA Unit
Oxy Permian Ltd.
Hobbs, New Mexico
Ensolum Project No. 03B1417002

Sample Designation	Date	(mg/l)						°C
		Sulfide	Carbon Dioxide (Free)	TPH GRO	TPH DRO	TPH ORO	Total TPH	Temperature
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-1 (Continued)	1/6/2022	<0.495	**67.0**	<0.932	<0.932	<0.900	<0.932	**18.0**
	1/12/2022	<0.495	**130**	**0.960 J**	**1.06 J**	<0.900	**2.02 J**	**21.7**
	1/19/2022	<0.495	**56.4**	<0.912	<0.912	<0.880	<0.912	**18.0**
	1/26/2022	<0.495	**44.7**	<0.898	<0.898	<0.867	<0.898	**18.8**
	2/2/2022	Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze.						
	2/8/2022	<0.495	**95.7**	<0.895	<0.895	<0.864	<0.895	**20.8**
	2/16/2022	<0.495	**61.0**	<0.877	<0.877	<0.846	<0.877	**18.7**
	2/25/2022	<0.495	**54.2**	<0.923	<0.923	<0.891	<0.923	**20.0**
	3/3/2022	<0.495	**90.5**	<0.935	<0.935	<0.902	<0.935	**18.2**
	3/9/2022	<0.495	**40.7**	<0.874	<0.874	<0.874	<0.874	**18.1**
	3/14/2022	Booster Pump for Levey Well Repaired and Back on Running Full Time.						
	3/16/2022	<0.495	**67.6**	<0.959	<0.959	<0.959	<0.959	**18.1**
	3/24/2022	<0.495	**37.5**	<0.901	<0.901	<0.869	<0.901	**18.9**
	3/31/2022	<0.495	**43.7**	<0.926	<0.926	<0.894	<0.926	**19.0**
	4/6/2022	<0.495	**41.6**	<0.926	<0.926	<0.894	<0.926	**18.1**
	4/13/2022	<0.495	**13.0**	<0.918	<0.918	<0.886	<0.918	**19.0**
	4/20/2022	<0.495	**72.4**	<0.904	<0.904	<0.872	<0.904	**18.3**
	4/28/2022	<0.495	**18.9**	<0.890	<0.890	<0.859	<0.890	**19.9**
	5/5/2022	<0.495	**31.8**	<0.912	<0.912	<0.880	<0.912	**19.5**
	5/10/2022	**1.20 J**	**31.5**	<0.985	<0.985	<0.950	<0.985	**16.7**
	5/19/2022	**0.600 J**	**41.5**	<0.926	<0.926	<0.894	<0.926	**20.3**
	5/26/2022	**1.00 J**	**32.2**	<0.920	<0.920	<0.888	<0.920	**18.0**
	6/1/2022	**0.800 J**	**19.0**	<0.926	<0.926	<0.894	<0.926	**20.5**
	6/9/2022	**0.600 J**	**24.6**	<0.962	<0.962	<0.929	<0.962	**20.3**
	6/17/2022	<0.495	**21.1**	<0.918	<0.918	<0.886	<0.918	**18.3**
	6/23/2022	**0.800 J**	**32.5**	<0.932	<0.932	<0.900	<0.932	**18.0**
	6/29/2022	**1.00 J**	**33.2**	**0.954 J**	<0.923	<0.891	**0.954 J**	**15.8**
	7/7/2022	**0.600 J**	**22.2**	<0.947	<0.947	<0.914	<0.947	**23.1**
	7/13/2022	<0.495	**31.9**	<0.950	<0.950	<0.917	<0.950	**20.6**
	7/20/2022	<0.495	**31.4**	<0.959	<0.959	<0.926	<0.959	**20.0**
	7/27/2022	<0.495	**10.6**	<0.904	<0.904	<0.872	<0.904	**17.6**
	8/4/2022	**0.800 J**	**31.9**	<0.906	<0.906	<0.875	<0.906	**19.2**
	8/10/2022	**1.00 J**	**35.0**	<0.929	<0.929	<0.897	<0.929	**19.8**
	8/18/2022	<0.495	**52.4**	<1.04	<1.04	<1.00	<1.04	**20.7**
	8/24/2022	**1.40 J**	**34.4**	<4.78	<4.78	<4.78	<4.78	**18.2**
	8/31/2022	**1.20 J**	**22.0**	<0.932	<0.932	<0.900	<0.932	**19.9**
	9/15/2022	**0.800 J**	**55.4**	<0.988	<0.988	<0.954	<0.988	**18.6**
	9/22/2022	<0.495	**28.0**	<0.944	<0.944	<0.911	<0.944	**21.0**
	9/28/2022	**1.20 J**	**28.5**	<0.956	<0.956	<0.923	<0.956	**17.9**
	10/4/2022	**0.800 J**	**34.2**	<0.895	<0.895	<0.864	<0.895	**17.8**
	10/14/2022	**1.20 J**	**26.6**	<0.935	<0.935	<0.902	<0.935	**18.7**
	10/19/2022	<0.495	**22.4**	<0.981	<0.981	<0.947	<0.981	**18.4**
	10/27/2022	<0.495	**22.0**	<1.00	<1.00	<0.968	<1.00	**25.0**
	11/2/2022	<0.495	**31.7**	<0.972	<0.972	<0.938	<0.972	**25.0**
	11/9/2022	<0.495	**33.0**	<0.972	<0.972	<0.938	<0.972	**21.4**
	11/16/2022	<0.495	**28.2**	<1.00	<1.00	<0.970	<1.00	**18.0**
	11/30/2022	<0.495	**30.0**	<0.915	<0.915	<0.883	<0.915	**18.5**
	12/9/2022	<0.495	**19.5**	<1.00	<1.00	<0.970	<1.00	**17.1**
	12/15/2022	<0.495	**43.9**	<0.918	<0.918	<0.886	<0.918	**15.7**
	12/21/2022	<0.495	**37.8**	<0.890	<0.890	<0.859	<0.890	**15.8**
	12/29/2022	<0.495	**64.9**	<0.938	<0.938	<0.905	<0.938	**16.7**
	1/4/2023	<0.495	**28.1**	<0.923	<0.923	<0.891	<0.923	**15.9**
	1/13/2023	<0.495	**45.0**	<0.935	<0.935	<0.902	<0.935	**13.8**
	1/19/2023	**0.800 J**	**53.9**	<0.918	<0.918	<0.886	<0.918	**16.0**
	1/25/2023	<0.495	**28.9**	<1.00	<1.00	<0.966	<1.00	**19.5**

ENSOLUM

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South Hobbs G/SA Unit
Oxy Permian Ltd.
Hobbs, New Mexico
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Sample Designation	Date	(mg/l)						°C
		Sulfide	Carbon Dioxide (Free)	TPH GRO	TPH DRO	TPH ORO	Total TPH	Temperature
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		NE	NE	NE	NE	NE	NE	NE
MW-2	5/26/2020	<0.495	**923**	**2.10**	**1.07 J**	<0.900	**6.16**	**23.1**
	6/30/2020	<5.00	**1,290**	<2.32	<2.32	<2.32	<2.32	**22.1**
	8/20/2020	<5.00	**1,150**	**2.75**	**3.29**	<2.26	**6.02**	**23.0**
	11/24/2020	<0.495	**1,300**	**1.73 J**	**2.17 J**	<0.835	**3.900**	**19.1**
	12/18/2020	**0.600 J**	**958**	**1.34 J**	**0.915 J**	<0.824	**2.26 J**	**15.1**
	12/23/2020	<0.495	**1,090**	**1.61 J**	**1.12 J**	<0.837	**2.73**	**15.6**
	12/30/2020	<0.495	**1,090**	<0.893	<0.825	<0.825	<0.825	**12.1**
	1/6/2021	<0.495	**1,240**	**1.99 J**	<0.824	<0.824	**1.99 J**	**13.1**
	1/12/2021	**11.2**	**1,450**	**1.64 J**	<0.833	<0.833	**1.64 J**	**13.9**
	1/20/2021	**9.60**	**1,390**	<0.907	<0.838	<0.838	<0.838	**18.2**
	1/27/2021	**15.0**	**1,600**	**1.31 J**	<0.834	<0.834	**1.31 J**	**13.4**
	2/3/2021	<0.495	**1,030**	**0.955 J**	**1.15 J**	<0.813	**2.11 J**	**20.9**
	2/10/2021	<0.495	**915**	**2.08**	<0.746	<0.746	**2.08**	**11.5**
	2/24/2021	<0.495	**793**	**1.01 J**	<0.832	<0.832	**1.01 J**	**19.4**
	3/4/2021	<0.495	**1,030**	**1.74 J**	<0.819	<0.819	**1.74 J**	**18.2**
	3/10/2021	<0.495	**1,010**	<0.893	<0.825	<0.825	<0.825	**18.5**
	3/17/2021	<0.495	**970**	**2.33**	<0.835	<0.835	**2.33**	**19.5**
	3/25/2021	<0.495	**653**	**1.50 J**	**1.16 J**	<0.857	**2.66 J**	**20.2**
	3/31/2021	<0.495	**1,110**	<0.941	<0.941	<0.908	<0.941	**18.3**
	4/8/2021	<0.495	**1,010**	**2.30 J**	**1.01 J**	<0.875	**3.31 J**	**18.9**
	4/15/2021	<0.495	**2,200**	**2.49 J**	**0.999 J**	**1.70 J**	**5.19**	**20.1**
	4/21/2021	<0.495	**1,230**	**1.01 J**	**0.913 J**	<0.856	**1.92 J**	**18.9**
	4/28/2021	<0.495	**1,100**	**2.54 J**	**1.19 J**	<0.872	**3.73 J**	**19.0**
	5/5/2021	<0.495	**1,350**	**2.09 J**	<0.890	<0.859	**2.09 J**	**18.8**
	5/13/2021	<0.495	**1,320**	**1.18 J**	<0.906	<0.875	**1.18 J**	**19.6**
	5/19/2021	<0.495	**1,730**	**1.46 J**	<0.901	<0.869	**1.46 J**	**19.8**
	5/27/2021	<0.495	**798**	<0.920	<0.920	<0.888	<0.920	**20.8**
	6/2/2021	<0.495	**1,580**	**2.01 J**	<0.895	<0.864	**2.01 J**	**18.1**
	6/10/2021	<0.495	**2,010**	**1.46 J**	<0.882	<0.851	**1.46 J**	**22.0**
	6/16/2021	<0.495	**810**	**0.963 J**	<0.826	<0.797	**0.963 J**	**18.0**
	6/22/2021	<0.495	**795**	**1.18 J**	<0.947	<0.914	**1.18 J**	**22.2**
	6/30/2021	<0.495	**975**	**1.21 J**	<0.893	<0.862	**1.21 J**	**20.3**
	7/1/2021	Levey Well Now Running Full Time						
	7/7/2021	<0.495	**889**	**1.62 J**	<0.906	<0.875	**1.62 J**	**18.3**
	7/14/2021	<0.495	**1,080**	<0.965	<0.965	<0.932	<0.965	**19.3**
	7/20/2021	<0.495	**1,170**	**1.16 J**	<0.898	<0.867	**1.16 J**	**19.8**
	7/27/2021	<0.495	**950**	**1.03 J**	<0.906	<0.875	**1.03 J**	**22.3**
	8/5/2021	<0.495	**778**	<0.909	<0.909	<0.877	<0.909	**22.1**
	8/11/2021	<0.495	**1,040**	**1.46 J**	<0.887	<0.856	**1.46 J**	**19.7**
	8/19/2021	<0.495	**2,010**	**1.93 J**	<0.959	<0.926	**1.93 J**	**20.7**
	8/25/2021	<0.495	**1,400**	**1.01 J**	<0.932	<0.900	**1.01 J**	**19.2**
	9/2/2021	<0.495	**1,830**	**3.03 J**	**2.11 J**	<0.920	**5.14**	**21.4**
	9/8/2021	<0.495	**1,570**	**1.70 J**	<0.932	<0.900	**1.70 J**	**20.5**
	9/14/2021	<0.495	**1,240**	**1.93 J**	**1.01 J**	<0.917	**2.94 J**	**19.4**
	9/21/2021	<0.495	**1,260**	**1.33 J**	<0.941	<0.908	**1.33 J**	**18.0**
	9/29/2021	<0.495	**1,040**	**1.60 J**	<1.19	<1.15	**1.60 J**	**18.5**
	10/7/2021	<0.495	**1,020**	**1.45 J**	<0.988	<0.954	**1.45 J**	**18.0**
	10/13/2021	<0.495	**834**	**1.56 J**	<0.935	<0.902	**1.56 J**	**20.6**
	10/21/2021	<0.495	**2,420**	**1.64 J**	<0.918	<0.886	**1.64 J**	**19.8**
	11/5/2021	<0.495	**628**	**1.39 J**	<0.965	<0.932	**1.39 J**	**22.8**
	11/11/2021	<0.495	**4,500**	**2.27 J**	<0.985	<0.950	**2.27 J**	**18.5**
	11/18/2021	<0.495	**574**	**2.56 J**	<0.923	<0.891	**2.56 J**	**19.5**
	11/24/2021	<5.00	**1,500**	**2.34 J**	<4.59	<4.59	**2.34 J**	**19.1**
	12/1/2021	<0.495	**313**	**1.69 J**	<0.912	<0.880	**1.69 J**	**19.2**
	12/8/2021	<0.495	**1,260**	**1.86 J**	<0.932	<0.900	**1.86 J**	**18.9**
	12/16/2021	<0.495	**957**	**1.15 J**	<0.947	<0.914	**1.15 J**	**18.0**
	12/22/2021	<0.495	**1,020**	**1.95 J**	<0.944	<0.911	**1.95 J**	**21.6**
	12/29/2021	<0.495	**1,250**	**1.15 J**	<0.935	<0.902	**1.15 J**	**18.0**

ENSOLUM

TABLE 3
GROUNDWATER SAMPLING (Additional Parameters) ANALYTICAL DATA SUMMARY
South Hobbs G/SA Unit
Oxy Permian Ltd.
Hobbs, New Mexico
Ensolum Project No. 03B1417002

Sample Designation	Date	(mg/l)						°C
		Sulfide	Carbon Dioxide (Free)	TPH GRO	TPH DRO	TPH ORO	Total TPH	Temperature
20 NMAC 6.2 Water Quality - Ground and Surface Water Protection Human Health Standards		**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
MW-2 (Continued)	1/6/2022	<0.495	**1,030**	**1.31 J**	<0.915	<0.883	**1.31 J**	**18.2**
	1/12/2022	<0.495	**1,450**	**3.63 J**	**1.34 J**	<1.00	**4.97 J**	**22.0**
	1/19/2022	<0.495	**1,420**	**2.83 J**	<0.915	<0.883	**2.83 J**	**18.2**
	1/26/2022	<0.495	**2,020**	<0.923	<0.923	<0.891	<0.923	**18.8**
	2/2/2022	Unable to Sample due to Incliment Weather. Booster Pump for Levey Well Damaged by Freeze.						
	2/8/2022	<0.495	**2,050**	**1.31 J**	<0.909	<0.877	**1.31 J**	**20.7**
	2/16/2022	<0.495	**1,670**	**0.974 J**	<0.864	<0.834	**0.974 J**	**18.3**
	2/25/2022	<0.495	**1,280**	**1.43 J**	<0.965	<0.932	**1.43 J**	**19.9**
	3/3/2022	<0.495	**2,160**	**1.86 J**	<0.909	<0.877	**1.86 J**	**18.1**
	3/9/2022	<0.495	**1,680**	**1.77 J**	<0.947	<0.914	**1.77 J**	**18.4**
	3/14/2022	Booster Pump for Levey Well Repaired and Back on Running Full Time.						
	3/16/2022	<0.495	**1,700**	**2.22 J**	<0.915	<0.883	**2.22 J**	**18.1**
	3/24/2022	<0.495	**1,330**	**1.29 J**	<0.909	<0.877	**1.29 J**	**19.1**
	3/31/2022	<0.495	**1,340**	**1.28 J**	<0.938	<0.905	**1.28 J**	**19.0**
	4/6/2022	<0.495	**1,720**	**1.00 J**	<0.938	<0.905	**1.00 J**	**18.1**
	4/13/2022	<0.495	**874**	**0.915 J**	<0.906	<0.875	**0.915 J**	**19.0**
	4/20/2022	<0.495	**1,060**	**1.06 J**	<0.901	<0.869	**1.06 J**	**18.6**
	4/28/2022	<0.495	**1,100**	**1.76 J**	<0.915	<0.883	**1.76 J**	**19.8**
	5/5/2022	**0.600 J**	**1,330**	**1.40 J**	<0.920	<0.888	**1.40 J**	**19.2**
	5/10/2022	<0.495	**1,320**	**1.63 J**	<0.965	<0.932	**1.63 J**	**16.8**
	5/19/2022	<0.495	**1,740**	**1.80 J**	<0.915	<0.883	**1.80 J**	**20.5**
	5/26/2022	<0.495	**2,650**	**1.02 J**	<0.950	<0.917	**1.02 J**	**18.1**
	6/1/2022	<0.495	**1,340**	**1.43 J**	<0.909	<0.877	**1.43 J**	**20.5**
	6/9/2022	<0.495	**1,080**	**1.23 J**	<0.938	<0.905	**1.23 J**	**19.8**
	6/17/2022	<0.495	**894**	**1.49 J**	<0.895	<0.864	**1.49 J**	**17.8**
	6/23/2022	<0.495	**1,270**	**1.25 J**	<0.920	<0.888	**1.25 J**	**18.0**
	6/29/2022	<0.495	**1,680**	<0.935	<0.935	<0.902	<0.935	**15.9**
	7/7/2022	<0.495	**1,190**	**0.912 J**	<0.906	<0.875	**0.912 J**	**23.0**
	7/13/2022	<0.495	**1,610**	**1.17 J**	<0.947	<0.914	**1.17 J**	**20.1**
	7/20/2022	<0.495	**1,360**	**1.07 J**	<0.981	<0.947	**1.07 J**	**19.8**
	7/27/2022	<0.495	**1,070**	**1.49 J**	<0.975	<0.941	**1.49 J**	**18.2**
	8/4/2022	<0.495	**1,570**	**1.31 J**	<0.904	<0.872	**1.31 J**	**19.2**
	8/10/2022	<0.495	**1,260**	**1.17 J**	<0.932	<0.900	**1.17 J**	**19.3**
	8/18/2022	<0.495	**1,280**	**1.43 J**	**7.62**	<0.897	**9.05**	**21.3**
	8/24/2022	<5.00	**1,300**	**1.18 J**	<4.63	<4.63	**1.18 J**	**18.0**
	8/31/2022	**1.00 J**	**1,290**	**1.08 J**	<0.950	<0.917	**1.08 J**	**20.0**
	9/15/2022	<0.495	**1,320**	**1.83 J**	<1.07	<1.04	**1.83 J**	**18.9**
	9/22/2022	<0.495	**1,320**	**1.56 J**	<1.05	<1.01	**1.56 J**	**20.9**
	9/28/2022	<0.495	**1,280**	**1.06 J**	<1.05	<1.01	**1.06 J**	**18.6**
	10/4/2022	<0.495	**1,670**	**1.11 J**	<0.904	<0.872	**1.11 J**	**17.6**
	10/14/2022	<0.989	**1,670**	**1.12 J**	<0.915	<0.883	**1.12 J**	**18.1**
	10/19/2022	<0.495	**814**	**1.46 J**	<0.877	<0.846	**1.46 J**	**18.3**
	10/27/2022	<0.495	**1,350**	<0.988	<0.988	<0.954	<0.988	**25.0**
	11/2/2022	<0.495	**1,680**	**1.82 J**	<0.978	<0.944	**1.82 J**	**25.0**
	11/9/2022	<4.95	**1,220**	**1.14 J**	<0.978	<0.944	**1.14 J**	**21.2**
	11/16/2022	<0.495	**653**	**2.20 J**	<0.909	<0.877	**2.20 J**	**18.0**
	11/30/2022	<0.495	**1,030**	<0.959	<0.959	<0.926	<0.959	**18.7**
	12/9/2022	<0.495	**1,030**	**1.38 J**	<0.969	<0.935	**1.38 J**	**17.3**
	12/15/2022	<0.495	**1,440**	**1.71 J**	<0.988	<0.954	**1.71 J**	**15.3**
	12/21/2022	<0.495	**1,280**	**1.11 J**	<0.904	<0.872	**1.11 J**	**16.3**
	12/29/2022	<0.495	**789**	<0.923	<0.923	<0.891	<0.923	**17.3**
	1/4/2023	<0.495	**910**	**1.66 J**	<0.988	<0.954	**1.66 J**	**16.8**
	1/13/2023	<0.495	**966**	**1.43 J**	<0.941	<0.908	**1.43 J**	**13.6**
	1/19/2023	<0.495	**1,610**	**1.06 J**	<0.929	<0.897	**1.06 J**	**16.3**
	1/25/2023	<0.495	**704**	<0.923	<0.923	<0.891	<0.923	**19.3**

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.

ENSOLUM

TABLE 4
AIR SAMPLING (VOCs) ANALYTICAL DATA SUMMARY
Levey Well
Oxy Permian Ltd.
Hobbs, New Mexico
Ensolum Project No. 03B1417001

Sample Designation	Date	Time	(ug/m3)																																		
			Acetone	Benzene	Bromomethane	Carbon disulfide	Chloromethane	2-Chlorotoluene	Cyclohexane	1,2-Dichloroethane	cis-1,2-Dichloroethene	Ethanol	Ethylbenzene	4-Ethyltoluene	Trichlorofluoromethane	Dichlorodifluoromethane	Heptane	n-Hexane	Isopropylbenzene	Methylene Chloride	Methyl Butyl Ketone	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Methyl methacrylate	Naphthalene	2-Propanol	Styrene	Tetrachloroethylene	Tetrahydrofuran	Toluene	1,1,1-Trichloroethane	Trichloroethylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m&p-Xylene	o-Xylene	TPH (GC/MS) Low Fraction
	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	<33.0	<30.7	<8.51	<13.6	<5.90	<18.8	<10.9	<10.7	**38.8**	**29.6**	<7.04	**52.2**	**21.9**	**58,200**
	6/30/2021	1130	**3,870**	<6.39	<7.76	**41.1**	<4.13	<10.3	**2,590**	<8.10	<7.93	**1,230**	**17.9**	**78.5**	<11.2	<9.89	**1,120**	**6,450**	<9.83	<6.94	<51.1	**433**	<51.2	<8.19	<33.0	**310**	<8.51	**20.3**	<5.90	**86.6**	<10.9	<10.7	**45.1**	**32.2**	<7.04	**78.0**	**35.1**	**123,000**
	7/1/2021	1200	Levey Well Now Running Full Time																																		
	7/27/2021	1332	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**334,000**	<64.8	<63.4	<189	<69.4	**107**	<89.9	<79.1	**405,000**	**3,160,000**	<78.7	<55.6	<409	<295	<409	<65.5	<264	**2,580**	<68.1	**218**	<47.2	<151	<87.0	<85.7	**95.2**	**177**	<56.3	**258**	**147**	**11,800,000**
	8/5/2021	1443	<1,190	<256	<311	<249	<165	<412	**348,000**	**3,740**	<314	<943	<347	<393	<450	<396	**474,000**	**2,890,000**	<393	<278	<2,040	<1,470	<2,050	<328	<1,320	<1,230	<340	<543	<236	**1,270**	<435	<429	**545**	<393	<282	**698**	<347	**8,300,000**
	8/11/2021	1325	<59.4	<12.8	<15.5	<12.4	<8.26	<20.6	<13.8	<16.2	<15.9	<47.1	**49.4**	**427**	<22.5	<19.8	**190,000**	**1,210,000**	**61.5**	<13.9	<102	<73.7	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	**802**	<21.8	<21.4	**253**	**393**	<14.1	**185**	**131**	**5,910,000**
	8/19/2021	1446	**817**	<12.8	<15.5	<12.4	<8.26	<20.6	**10,600**	<16.2	<15.9	<47.1	<17.3	**37.1**	<22.5	<19.8	**13,300**	**59,900**	<19.7	<13.9	<102	<73.7	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	**223**	<21.8	<21.4	<19.6	**24.8**	<14.1	**40.4**	**23.8**	**459,000**
	8/25/2021	0000	<2.97	<0.639	<0.776	<0.622	<0.413	<1.03	<0.689	<1.54	<0.793	<2.36	**42.9**	**467**	<1.12	<0.989	**11,300**	**36,000**	**112**	<0.694	<5.11	<3.69	<5.12	<0.819	<3.30	<3.07	<0.851	<1.36	<0.590	**357**	<1.09	**4.06**	**301**	**322**	<0.704	**219**	**184**	**290,000**
	9/2/2021	1340	**1,210**	<128	<155	<124	<82.6	<206	**97,800**	**359**	<159	**769**	<173	<196	<225	<198	**60,500**	**344,000**	<197	<139	<1,020	<737	<1,020	<164	<660	**1,280**	<170	<272	<118	**1,330**	<218	<214	<196	<196	<141	**418**	<173	**2,420,000**
	9/8/2021	1222	<297	<63.9	<77.6	<62.2	<41.3	<103	**82,700**	<79.3	<79.3	**1,270**	<86.7	<98.2	<112	<98.9	**57,300**	**395,000**	<98.3	<69.4	<511	<369	<512	<81.9	<330	**8,190**	<85.1	<136	<59.0	**208**	<109	<107	<98.2	**111**	<70.4	<173	<86.7	**1,690,000**
	9/14/2021	1117	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**285,000**	<64.8	<63.4	<189	**209**	**355**	<89.9	<79.1	**260,000**	**1,700,000**	<78.7	<55.6	<409	<295	<409	<65.5	<246	**9,340**	<68.1	**460**	<47.2	**1,100**	<87.0	<85.7	**248**	**142**	<56.3	**564**	**224**	**8,010,000**
	9/21/2021	1307	<1,190	<256	<311	<249	<165	<412	**417,000**	<324	<317	**1,560**	<347	<393	<450	<396	**345,000**	**430,000**	<393	<278	<2,040	<1,470	<2,050	<328	<1,320	**19,800**	<340	<543	<236	**1,020**	<435	<429	<393	<393	<282	<694	<347	**5,700,000**
Levey Well	9/29/2021	1307	<59.4	<12.8	<15.5	<12.4	<8.26	<20.6	**16,600**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**5,970**	**127,000**	<19.7	<13.9	<102	<73.7	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	**22.9**	<14.1	<34.7	<17.3	**297,000**
	10/7/2021	1350	<59.4	<12.8	<15.5	<12.4	<8.26	<20.6	**162,000**	<16.2	<15.9	**47.3**	<17.3	**132**	<22.5	<19.8	**142,000**	**1,110,000**	<19.7	<13.9	<102	<73.7	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	**279**	<21.8	<21.4	**66.3**	**154**	<14.1	**62.0**	**46.8**	**4,420,000**
	11/5/2021	1552	<238	**59.1**	<62.1	<49.8	<33.0	<82.5	**42,400**	<64.8	<63.4	**4,450**	**1,280**	**1,190**	<89.9	<79.1	**52,800**	**310,000**	**1,320**	**62.9**	<409	<295	<409	<65.5	<264	**1,150,000**	<68.1	<109	<47.2	**1,180**	<87.0	<85.7	**2,960**	**1,250**	<56.3	**5,460**	**1,470**	**1,430,000**
	11/8/2021	0936	<238	**98.4**	<62.1	<49.8	<33.0	<82.5	**137,000**	<64.8	<63.4	**4,660**	**672**	**332**	<89.9	<79.1	**142,000**	**1,010,000**	**454**	<55.6	<409	<295	<409	<65.5	<264	**6,270,000**	<68.1	**360**	<47.2	**1,020**	<87.0	<85.7	**756**	**342**	<56.3	**2,520**	**607**	**4,750,000**
		0937	Initiate Vacuum Recovery Event																																		
		1013	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**33,700**	<64.8	<63.4	**1,820**	**1,690**	**1,050**	<89.9	<79.1	**57,700**	**160,000**	**1,450**	<55.6	<409	<295	<409	<65.5	<264	**1,380,000**	<68.1	<109	<47.2	**1,320**	<87.0	<85.7	**2,220**	**1,100**	**24,100**	**6,890**	**1,770**	**1,190,000**
		1030	**7,940**	<51.1	<62.1	<49.8	<33.0	<82.5	**2,850**	<64.8	<63.4	**720**	**728**	**1,190**	<89.9	<79.1	**5,690**	**10,400**	**1,110**	<55.6	<409	<295	<409	**105**	<264	**203,000**	<68.1	<109	<47.2	**235**	<87.0	<85.7	**2,970**	**1,270**	**1,860**	**3,550**	**1,060**	**241,000**
		1037	Vacuum Recovery Event Terminated																																		
		1151	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**23,700**	<64.8	<63.4	**933**	**1,170**	**1,360**	<89.9	<79.1	**32,800**	**87,400**	**1,320**	**63.9**	<409	<295	<409	<65.5	<264	**497,000**	<68.1	<109	<47.2	**881**	<87.0	<85.7	**3,650**	**1,540**	<56.3	**4,990**	**1,360**	**727,000**
	11/11/2021	1208	**9,240**	<51.1	<62.1	<49.8	<33.0	<82.5	**47,200**	<64.8	<63.4	**1,300**	**559**	**766**	<89.9	<79.1	**54,400**	**279,000**	**413**	<55.6	<409	<295	<409	<65.5	<264	**973,000**	<68.1	**174**	<47.2	**731**	<87.0	<85.7	**574**	**307**	<56.3	**1,730**	**507**	**1,030,000**
	11/18/2021	1505	**18,700**	<63.9	<77.6	<62.2	<41.3	<103	**97,100**	<81.0	<79.3	<236	**468**	**653**	<112	<98.9	**126,000**	**1,540,000**	**388**	<69.4	<511	<369	<512	<81.9	<330	**140,000**	<85.1	<136	<59.0	**610**	<109	<107	**937**	**1,080**	<70.4	**1,440**	**525**	**3,340,000**
	11/22/2021	0856	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**260,000**	<64.8	<63.4	<189	**289**	**569**	<89.9	<79.1	**232,000**	**1,690,000**	**259**	<55.6	<409	<295	<409	<65.5	<264	**293,000**	<68.1	<109	<47.2	**509**	<87.0	<85.7	**477**	**242**	<56.3	**915**	**305**	**10,000,000**
		0858	Initiate Vacuum Recovery Event																																		
		1029	**1,730**	<12.8	<15.5	<12.4	<8.26	<20.6	**16,800**	<16.2	<15.9	<47.1	**55.1**	**145**	<22.5	<19.8	**28,700**	**94,800**	**60.0**	<13.9	<102	<73.7	<102	<16.4	<66.0	**24,400**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**133**	**67.2**	<14.1	**192**	**66.8**	**284,000**
		1053	**965**	<6.39	<7.76	<6.22	<4.13	<10.3	**1,110**	<8.10	<7.93	**56.8**	**23.2**	<9.82	<11.2	<9.89	**1,780**	**6,350**	**36.4**	<6.94	<51.1	<36.9	<51.2	<8.19	<33.0	**2,020**	<8.51	<13.6	<5.90	<18.8	<10.9	<10.7	**153**	**64.3**	<7.04	**91.9**	**35.2**	**52,500**
		1055	Vacuum Recovery Event Terminated																																		
		1205	**3,490**	<12.8	<15.5	<12.4	<8.26	<20.6	**5,300**	<16.2	<15.9	<47.1	**74.6**	<19.6	<22.5	<19.8	**8,180**	**17,900**	**93.4**	<13.9	<102	**134**	<102	<16.4	<66.0	**65,100**	<17.0	<27.2	<11.8	**62.9**	<21.8	<21.4	**350**	**159**	<14.1	**267**	**99.3**	**222,000**
	11/24/2021	1048	**42,100**	<639	<62.1	<49.8	<33.0	<82.5	**187,000**	<810	<63.4	<189	**181**	**423**	<89.9	<79.1	**341,000**	**1,880,000**	**197**	<55.6	<5,110	**4,160**	<5,120	**13,300**	<264	**114,000**	<68.1	<1,360	<47.2	<1,180	<87.0	<1,070	**520**	**648**	<56.3	**572**	**307**	**7,640,000**
	12/1/2021	1200	<297	<62.6	<77.6	<62.2	<41.3	<103	**985,000**	<81.0	<79.3	<236	**139**	**479**	<112	<98.9	**1,470,000**	**14,000,000**	**140**	<69.4	<511	<369	<512	<81.9	<330	<307	<85.1	<136	<59.0	**339**	<109	<107	**618**	**775**	<70.4	**351**	**244**	**33,600,000**
	12/6/2021	0959	**19,700**	<128	<155	<124	<82.6	<206	**329,000**	<162	<159	<471	<173	<196	<225	<198	**438,000**	**2,620,000**	<197	<139	<1,020	**11,900**	<1,020	<164	<660	**9,730**	<170	<272	<118	<377	<218	<214	<196	<196	<141	<347	<173	**13,200,000**
		1000	Initiate Vacuum Recovery Event																																		
		1049	**11,100**	<63.9	<77.6	<62.2	<41.3	<103	**123,000**	<81.0	<79.3	<236	<86.7	**160**	<112	<98.9	**173,000**	**878,000**	<98.3	<69.4	<511	**6,930**	<512	<81.9	<330	**6,170**	<85.1	<136	<59.0	<188	<109	<107	**227**	**213**	<70.4	**200**	**89.7**	**5,000,000**
		1155	**1,310**	<0.639	<0.776	<0.622	<0.413	<1.03	<0.689	<0.810	<0.793	**40.7**	**11.2**	<0.982	<1.12	**1.42**	<0.818	**15,500**	**10.5**	<0.694	<5.11	<3.69	<5.12	<0.819	<3.30	**6,540**	<0.851	<1.36	<0.590	**21.5**	<1.09	**1.18**	<0.982	<0.982	<0.704	**44.7**	**29.3**	**172,000**
		1210	Vacuum Recovery Event Terminated																																		
		1340	**5,540**	**1,260**	<0.776	**21.4**	<0.413	<1.03	<0.689	<40.5	<0.793	<36.0	**1,170**	<0.982	<1.12	<0.989	**17,300**	**77,900**	**23.0**	<0.694	<256	<3.69	<256	<40.9	<3.30	**4,620**	<0.851	<67.9	<0.590	**2,970**	<1.09	<53.6	<0.982	<0.982	<0.704	**603**	**313**	**392,000**
	12/8/2021	1337	<238	**69.0**	<62.1	<49.8	<33.0	<82.5	**19,300**	<64.8	<63.4	**997**	**126**	**121**	<89.9	<79.1	**36,000**	**136,000**	<78.7	**76.0**	<409	**1,510**	<409	<65.5	<264	**5,900**	<68.1	<109	<47.2	**298**	<87.0	<85.7	**162**	**226**	<56.3	**157**	**102**	**657,000**
	12/17/2021	1210	**5,370**	<128	<155	<124	<82.6	<206	**298,000**	<162	<159	**960**	<173	<196	<225	<198	**442,000**	**2,980,000**	<197	<139	<1,020	**2,170**	<1,020	<164	<660	**4,920**	<170	<272	<118	<377	<218	<214	<196	<196	<141	<347	<173	**7,640,000**
	12/20/2021	0929	<29,700	<6,390	<7,760	<6,220	<4,130	<10,300	**379,000**	<8,100	<7,930	**50,300**	<8,670	<9,820	<11,200	<9,890	**532,000**	**3,380,000**	<9,830	<6,940	<51,100	<36,900	<51,200	<8,190	<33,000	**196,000**	<8,510	<13,600	<5,900	<18,800	<10,900	<10,700	<9,820	<9,820	<7,040	<17,300	<8,670	**14,000,000**
		0953	Initiate Vacuum Recovery Event																																		
		1129	**1,190**	<31.9	<38.8	<31.1	<20.7	<51.5	**10,400**	<40.5	<39.6	**581**	**92.3**	<49.1	<56.2	<49.5	**20,200**	**80,400**	<49.2	<34.7	<256	**286**	<256	<40.9	<165	**3,860**	<42.5	<67.9	<29.5	**122**	<54.4	<53.6	**113**	**99.6**	<35.2	**132**	**55.9**	**392,000**
		1145	Vacuum Recovery Event Terminated																																		
		1305	**727**	<12.8	<15.5	<12.4	<8.26	<20.6	**3,930**	<16.2	<15.9	<47.1	**54.2**	**47.6**	<22.5	<19.8	**2,520**	**5,180**	**25.6**	<13.9	<102	**122**	<102	<16.4	<66.0	**676**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**129**	**103**	<14.1	**85.8**	**40.8**	**188,000**
	12/22/2021	1130	**848**	<12.8	<15.5	<12.4	<8.26	<20.6	<13.8	<16.2	<15.9	<47.1	**41.9**	**147**	<22.5	<19.8	**7,030**	**42,000**	**39.7**	<13.9	<102	<73.7	<102	<16.4	<66.0	**649**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**152**	**92.3**	<14.1	**111**	**58.5**	**247,000**
	12/29/2021	1215	<297	<6.39	<77.6	<62.2	<41.3	<10.3	**503**	<8.10	<79.3	**1,490**	**21.9**	**44.1**	<112	<98.9	**630**	**5,780**	**37.2**	<69.4	<51.1	<369	<51.2	<8.19	<33.0	**1,110**	<8.51	<13.6	<59.0	<18.8	<109	<10.7	**112**	**63.3**	<70.4	**75.4**	**31.6**	<8,260

ENSOLUM

TABLE 4
AIR SAMPLING (VOCs) ANALYTICAL DATA SUMMARY
Levey Well
Oxy Permian Ltd.
Hobbs, New Mexico
Ensolum Project No. 03B1417001

Sample Designation	Date	Time	(ug/m3)																																
			Acetone	Benzene	Bromomethane	Carbon disulfide	Chloromethane	2-Chlorotoluene	Cyclohexane	1,2-Dichloroethane	cis-1,2-Dichloroethene	Ethanol	Ethylbenzene	4-Ethyltoluene	Trichlorofluoromethane	Dichlorodifluoromethane	Heptane	n-Hexane	Isopropylbenzene	Methylene Chloride	Methyl Butyl Ketone	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Methyl methacrylate	Naphthalene	2-Propanol	Styrene	Tetrachloroethylene	Tetrahydrofuran	Toluene	1,1,1-Trichloroethane	Trichloroethylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m&p-Xylene	o-Xylene	TPH (GC/MS) Low Fraction
Levey Well	1/3/2022	0756	<297	<63.9	<77.6	<62.2	<41.3	<103	**108,000**	<81.0	<79.3	**1,200**	<86.7	<98.2	<112	<98.9	**234,000**	**606,000**	<98.3	<69.4	<511	<369	<512	<81.9	<330	**6,610**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**4,020,000**
		0759	Initiate Vacuum Recovery Event																																		
		0823	<59.4	<12.8	<15.5	<12.4	**407**	<20.6	**3,960**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**12,800**	**28,200**	<19.7	<13.9	<102	<73.7	<102	<16.4	<66.0	**62.9**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	<19.6	<14.1	<34.7	<17.3	**177,000**
		0904	<14.9	<3.19	<3.88	<3.11	<2.07	<5.15	**2,240**	<4.05	<3.96	<11.8	<4.34	<4.91	<5.62	<4.95	**6,130**	**17,800**	<4.92	<3.47	<25.6	<18.4	<25.6	<4.09	<16.5	**19.3**	<4.25	<6.79	<2.95	<9.42	<5.44	<5.36	**8.25**	**5.64**	<3.52	<8.67	<4.34	**101,000**
		0920	Vacuum Recovery Event Terminated																																		
		1031	<59.4	<12.8	<15.5	<12.4	<8.26	<20.6	**4,580**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**5,690**	**15,800**	<19.7	<13.9	<102	<73.7	<102	<16.4	<66.0	**87.5**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**22.7**	<19.6	<14.1	<34.7	<17.3	**188,000**
	1/6/2022	0000	<297	<63.9	<77.6	<62.2	<41.3	<103	**10,600**	<81.0	<79.3	<236	<86.7	<98.2	<112	<98.9	**20,500**	**130,000**	<98.3	**110**	<511	<369	<512	<81.9	<330	**4,230**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**508,000**
	1/12/2022	1352	**31,400**	<12.8	<15.5	<12.4	<8.26	<20.6	**164,000**	<16.2	<15.9	<47.1	**115**	**491**	<22.5	<19.8	**342,000**	**1,680,000**	**98.8**	<13.9	<102	**5,570**	<102	<16.4	**85.9**	**81,900**	<17.0	<27.2	<11.8	**263**	<21.8	<21.4	**400**	**433**	<14.1	**341**	**156**	**6,820,000**
		0852	**14,900**	<639	<776	<622	<413	<1,030	**119,000**	<810	<793	<2,360	<867	<982	<1,120	<989	**160,000**	**1,440,000**	<983	<694	<5,110	<3,690	<5,120	<819	<3,300	**25,800**	<851	<1,360	<590	<1,880	<1,090	<1,070	<982	<982	<704	<1,730	<867	**6,110,000**
		0853	Initiate Vacuum Recovery Event																																		
	1/17/2022	0919	**227**	<0.639	<0.776	<0.622	<0.413	<1.03	**3,650**	<0.810	<0.793	**19.8**	**2.15**	**1.70**	**1.52**	**1.84**	**6,260**	**19,100**	**1.22**	<0.694	<5.11	<3.69	<5.12	<0.819	<3.30	**202**	<0.851	<1.36	<0.590	**8.32**	<1.09	<1.07	**2.84**	**2.87**	<0.704	**5.20**	**2.15**	**132,000**
		1004	**90.3**	<0.639	<0.776	<0.622	**1.30**	<1.03	**747**	<0.810	<0.793	**56.2**	**2.58**	**4.13**	**1.40**	**2.60**	**1,610**	**4,300**	**2.46**	<0.694	<5.11	**16.4**	<5.12	<0.819	<3.30	**114**	<0.851	**2.69**	<0.590	**15.6**	<1.09	<1.07	**11.5**	**8.44**	<0.704	**7.50**	**3.13**	**31,600**
		1021	Vacuum Recovery Event Terminated																																		
		1134	**466**	<0.639	<0.776	<0.622	**1.64**	<1.03	**2,400**	<0.810	<0.793	**16.8**	**5.42**	**9.67**	**1.38**	**2.14**	**4,620**	**10,800**	**5.26**	<0.694	<5.11	**54.3**	<5.12	<0.819	**3.42**	**494**	<0.851	**27.5**	<0.590	**23.8**	<1.09	<1.07	**20.8**	**18.7**	<0.704	**17.7**	**7.46**	**95,400**
	1/19/2022	1208	**454**	<31.9	<38.8	<31.1	<20.7	<51.5	**11,300**	<40.5	<39.6	**149**	<43.4	**94.2**	<56.2	<49.5	**28,800**	**171,000**	<49.2	<34.7	<256	<184	<256	**966**	<165	**3,740**	<42.5	<67.9	<29.5	<94.2	<54.4	<53.6	**81.0**	**221**	<35.2	<86.7	<43.4	**508,000**
	1/26/2022	1251	<59.4	<12.8	<15.5	<12.4	<8.26	<20.6	**28,900**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**22,900**	**313,000**	<22.5	<13.9	<102	<73.7	<102	<16.4	<66.0	**248**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	<19.6	<14.1	<34.7	<17.3	**1,180,000**
		0921	**4,040**	**5,940**	<155	<124	<82.6	<206	**229,000**	<162	<159	<471	**195**	<196	<225	<198	**217,000**	**8,710,000**	<197	<139	<1020	**1,360**	<1,020	<164	<660	**10,800**	<170	<272	<118	**1,220**	<218	<214	<196	<196	<141	**481**	<173	**3,620,000**
		0922	Initiate Vacuum Recovery Event																																		
	2/2/2022	0950	**337**	**415**	<15.5	<12.4	<8.26	<20.6	**16,700**	<16.2	<15.9	<47.1	**147**	<19.6	<22.5	<19.8	**36,200**	**114,000**	<19.7	<13.9	<102	**231**	<102	<16.4	<66.0	**88.2**	<17.0	<27.2	<11.8	**313**	<21.8	<21.4	**27.0**	<19.6	<14.1	**370**	**108**	**409,000**
		1030	**56.8**	**29.9**	<0.776	<0.622	<0.413	<1.03	**2,280**	<0.810	<0.793	**10.5**	**25.2**	<0.982	<1.12	**2.47**	**5,440**	**9,380**	**2.05**	<0.694	<5.11	**34.5**	<5.12	<0.819	<3.30	**30.2**	<0.851	<1.36	<0.590	**46.3**	<1.09	<1.07	**9.18**	**6.58**	<0.704	**62.9**	**17.6**	**71,500**
		1047	Vacuum Recovery Event Terminated																																		
		1158	**80.8**	**29.7**	<0.776	<0.622	<0.413	<1.03	**2,750**	<0.810	<0.793	**4.13**	**19.1**	<0.982	<1.12	**2.58**	**5,850**	**8,670**	**1.82**	<0.694	<5.11	**36.9**	<5.12	<0.819	<3.30	**43.0**	<0.851	<1.36	<0.590	**38.8**	<1.09	<1.07	**7.80**	**5.35**	<0.704	**46.8**	**13.0**	**59,500**
	2/8/2022	1200	**88.6**	<0.639	<0.776	<0.622	<0.413	<1.03	**1,310**	<0.810	<0.793	<2.36	**27.2**	<0.982	<1.12	<0.989	**2,640**	**13,700**	**14.5**	<0.694	<5.11	**15.5**	<5.12	<0.819	**3.64**	**76.2**	<0.851	**3.38**	<0.590	**12.3**	<1.09	<1.07	**43.8**	**46.5**	<0.704	**91.9**	**39.4**	**83,000**
	2/16/2022	1224	**215**	<12.8	<15.5	<12.4	<8.26	<20.6	**37,500**	<16.2	<15.9	<47.1	<17.3	**22.1**	<22.5	<19.8	**7,280**	**62,800**	<19.7	<13.9	<102	<73.7	<102	<16.4	<66.0	**156**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**23.1**	**19.6**	<14.1	**38.4**	<17.3	**272,000**
		1021	**1,950**	<0.639	<0.776	<0.622	<0.413	<1.03	**30,900**	<0.810	<0.793	**120**	**3.00**	<0.982	<1.12	<0.989	**5,360**	**176,000**	<0.983	<0.694	<5.11	<3.69	<5.12	<0.819	<3.30	<3.07	<0.851	<1.36	<0.590	**73.8**	<1.09	<1.07	**1.84**	**1.47**	<0.704	**3.42**	**1.12**	**261,000**
		1022	Initiate Vacuum Recovery Event																																		
	2/23/2022	1043	**104**	**101**	<0.776	<0.622	**1.44**	<1.03	**3,280**	<0.810	<0.793	**62.4**	**4.60**	**1.30**	**1.64**	**2.42**	**1,040**	**2,500**	<0.983	<0.694	<5.11	**34.2**	<5.12	<0.819	<3.30	**14.2**	<0.851	<1.36	<0.590	**57.6**	<1.09	<1.07	**3.47**	**3.29**	<0.704	**6.89**	**1.96**	**30,000**
		1118	<29.7	**25.9**	<7.76	<6.22	<4.13	<10.3	**737**	<8.10	<7.93	**42.2**	<8.67	<9.82	<11.2	<9.89	**290**	**610**	<9.83	<6.94	<51.1	<36.9	<51.2	<8.19	<33.0	<30.7	<8.51	<13.6	<5.90	**20.3**	<10.9	<10.7	<9.82	<9.82	<7.04	<17.3	<8.67	**8,510**
		1134	Vacuum Recovery Event Terminated																																		
		1241	<2.97	<0.639	<0.776	<0.622	**1.40**	<1.03	**1,380**	<0.810	<0.793	<2.36	<0.867	<0.982	**1.58**	**1.76**	**272**	**1,290**	<0.983	<0.694	<5.11	<3.69	<5.12	<0.819	<3.30	<3.07	<0.851	<1.36	<0.590	**7.61**	<1.09	<1.07	<0.982	<0.982	<0.704	<1.73	<0.867	**13,200**
	2/25/2022	1145	**250**	<0.639	<0.776	**21.2**	**0.413**	<1.03	**12,400**	<0.810	<0.793	**4.68**	**2.41**	**4.13**	<1.12	<0.989	**3,740**	**26,100**	**2.23**	<0.694	<5.11	**46.9**	<5.12	<0.819	**3.50**	**25.8**	<0.851	<1.36	<0.590	**9.12**	<1.09	<1.07	**7.85**	**6.23**	<0.704	**8.15**	**2.49**	**107,000**
		1405	<149	<31.9	<38.8	<31.1	<20.7	<51.5	**520**	<40.5	<39.6	**837**	<43.4	<49.1	<56.2	<49.5	**220**	**3,390**	<49.2	**47.6**	<256	<184	<256	**766**	<165	**8,480**	<42.5	<67.9	<29.5	<94.2	<54.4	<53.6	<49.1	<49.1	<35.2	<86.7	<43.4	<41,300
		1406	Initiate Vacuum Recovery Event																																		
	2/28/2022	1510	<2.97	**1.79**	<0.776	<0.622	<0.413	<1.03	**305**	<0.810	<0.793	**7.45**	**2.05**	**2.40**	<1.12	**2.13**	**182**	**511**	**1.12**	<0.694	<5.11	**10.6**	<5.12	<0.819	<3.30	**25.6**	<0.851	<1.36	<0.590	**3.74**	<4.66	<1.07	**4.96**	**4.91**	<0.704	**3.20**	**1.44**	**6,440**
		1428	<149	<31.9	<38.8	<31.1	<20.7	<51.5	**654**	<40.5	<39.6	**684**	<43.4	<49.1	<56.2	<49.5	**263**	**2,520**	<49.2	**38.5**	<256	<184	<256	<40.9	<165	**6,370**	<42.5	<67.9	<29.5	<94.2	<54.4	<53.6	<49.1	<49.1	<35.2	<86.7	<43.4	<41,300
		1526	Vacuum Recovery Event Terminated																																		
		1635	<2.97	**1.30**	<0.776	<0.622	**1.53**	<1.03	**76.8**	<0.810	<0.793	**7.50**	**1.76**	**2.07**	**1.28**	**2.53**	**64.2**	**117**	**1.17**	**0.847**	<5.11	<3.69	<5.12	<0.819	<3.30	**40.3**	<0.851	<1.36	<0.590	**2.26**	<1.09	<1.07	**4.70**	**4.25**	<0.704	**3.42**	**1.38**	**2,420**
	3/9/2022	1225	**2,260**	<128	<268	<124	<82.6	<206	**43,400**	<162	<159	<471	<173	<196	<225	<198	**8,470**	**41,200**	<197	<139	<1,020	<737	<1,020	<164	<660	**5,330**	<170	<272	<118	<377	<218	<214	<196	<196	<141	<347	<173	**352,000**
		0855	<297	**110**	<77.6	<62.2	<41.3	<103	**277,000**	<81.0	<79.3	**354**	<86.7	<98.2	<112	<98.9	**33,500**	**286,000**	<98.3	<69.4	<511	**894**	<512	<81.9	<330	**7,050**	<85.1	<136	<59.0	**254**	<109	<107	<98.2	**158**	<70.4	<173	<86.7	**1,230,000**
		0856	Initiate Vacuum Recovery Event																																		
	3/14/2022	0923	<11.9	**7.60**	<3.11	<2.49	<1.65	**7.11**	**3,110**	<3.24	<3.17	<9.43	**15.5**	**26.7**	<4.50	<3.96	**1,440**	**7,690**	**8.01**	<2.78	<20.4	**38.6**	<20.5	<3.28	<13.2	**53.1**	<3.40	<5.43	<2.36	**28.8**	<4.35	<4.29	**24.5**	**57.4**	<2.82	**30.3**	**12.1**	**47,900**
		1000	<2.97	**1.91**	<0.776	<0.622	**1.79**	<1.03	**589**	<0.810	<0.793	**9.22**	**3.49**	**4.29**	**1.19**	**2.37**	**234**	**395**	**1.61**	**0.951**	<5.11	**11.9**	<5.12	<0.819	<3.30	**9.61**	<0.851	<1.36	<0.590	**8.97**	<1.09	<1.07	**5.79**	**10.7**	<0.704	**9.28**	**3.44**	**7,930**
		1016	Vacuum Recovery Event Terminated																																		
		1126	**165**	**81.1**	<3.11	**5.23**	<1.65	<4.12	**761**	<3.24	<3.17	**48.8**	**1,130**	**236**	<4.50	<3.96	**369**	**494**	**342**	<2.78	<20.4	**39.5**	<20.5	<3.28	<13.2	**261**	<3.40	<5.43	<2.36	**832**	<4.35	<4.29	**535**	**237**	<2.82	**1,750**	**815**	**39,100**
	3/16/2022	1113	**137**	<12.8	<15.5	<12.4	<8.26	<20.6	**641**	<16.2	<15.9	<47.1	**50.3**	**41.5**	<22.5	<19.8	**406**	**3,260**	**34.6**	<13.9	<102	<73.7	<102	<16.4	<66.0	**81.6**	<17.0	**57.0**	<11.8	<37.7	<21.8	<21.4	**147**	**60.9**	<14.1	**106**	**57.7**	**23,700**
	3/24/2022	1335	<2.97	<0.639	<0.776	<0.622	<0.413	<1.03	**847**	<0.810	<0.793	<2.36	**8.63**	**66.3**	<1.12	<0.989	**382**	**7,020**	**13.9**	<0.694	<5.11	<3.69	<5.12	<0.819	**9.32**	**135**	<0.851	<1.36	<0.590	**14.2**	<1.09	<1.07	**71.7**	**35.7**	<0.704	**26.3**	**13.4**	**51,200**
		0907	**47.5**	<0.639	<1.34	<0.622	<0.413	<1.03	**143**	<0.810	<0.793	**43.9**	**3.37**	<0.982	**1.26**	**2.44**	**154**	**320**	<0.983	<0.694	<5.11	**14.4**	<5.12	<0.819	<3.30	**33.9**	<0.851	**3.71**	<0.590	**52.0**	<1.09	<1.07	**2.56**	**1.27**	**7.11**	**8.02**	**3.97**	**4,040**
		0959	Initiate Vacuum Recovery Event																																		
	3/30/2022	1021	**88.9**	<0.639	<1.34	<0.622	<0.413	<1.03	**668**	<0.810	<0.793	**5.92**	**2.17**	<0.982	<1.12	<0.989	**937**	**4,160**	**1.78**	<0.694	<5.11	**7.93**	<5.12	<0.819	<3.30	**19.7**	<0.851	<1.36	<0.590	<1.88	<1.09	<1.07	**13.3**	**8.79**	<0.704	**5.33**	**3.29**	**27,600**
		1101	**24.5**	<0.639	<1.34	<0.622	<0.413	<1.03	**175**	**1.17**	<0.793	**12.3**	**1.19**	<0.982	**1.23**	**2.39**	**223**	**585**	<0.983	<0.694	<5.11	**7.73**	<5.12	<0.819	<3.30	<3.07	<0.851	<1.36	<0.590	**4.78**	<1.09	<1.07	**5.01**	**3.43**	**8.70**	**2.87**	**1.84**	**6,240**
		1117	Vacuum Recovery Event Terminated																																		
		1217	**535**	<0.639	<1.34	**28.9**	<0.413	<1.03	**2,180**	<0.810	<0.793	**69.0**	**8.02**	**8.44**	<1.12	**2.30**	**1,980**	**12,400**	<0.983	<0.694	<5.11	**152**	<5.12	<0.819	<3.30	**391**	<0.851	<1.36	<0.590	<1.88	<1.09	<1.07	**11.8**	**9.52**	<0.704	**13.2**	**6.89**	**67,700**
	3/31/2022	1241	**128**	**4.44**	<1.34	**3.21**	<0.413	<1.03	**420**	<0.810	<0.793	**31.7**	**2.90**	**5.20**	**1.26**	<0.989	**383**	**1,850**	**3.07**	<0.694	<5.11	**17.8**	<5.12	<0.819	<3.30	**85.5**	<0.851	<1.36	<0.590	**14.7**	<1.09	<1.07	**16.5**	**9.82**	<0.704	**8.32**	**3.75**	**12,900**
	4/6/2022	1157	<1,490	<319	<388	<311	<207	<515	**32,400**	<405	<396	**1,290**	<434	<491	<562	<495	**37,200**	**370,000**	<492	<347	<2,560	<1,840	<2,560	**11,300**	<1,650	**12,100**	<425	<679	<295	<942	<544	<536	<491	<491	<352	<867	<434	**1,430,000**
		0924	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**39,600**	<64.8	<63.4	**1,510**	<69.4	<78.5	<89.9	<79.1	**37,400**	**483,000**	<78.7	<55.6	<409	<295	<409	<65.5	<264	**6,860**	<68.1	<109	<47.2	<151	<87.0	<85.7	<78.5	<78.5	<56.3	<139	<69.4	**1,460,000**
		0925	Initiate Vacuum Recovery Event																																		
	4/11/2022	0949	**52.3**	<0.639	<0.776	**1.09**	<0.413	<1.03	**3,190**	<0.810	<0.793	**7.99**	**2.12**	<0.982	**1.16**	**1.41**	**6,220**	**2,430**	**1.10**	<0.694	<5.11	**37.7**	<5.12	<0.819	<3.30	**27.5**	<0.851	<1.36	<0.590	**5.61**	<1.09	<1.07	**5.64**	**6.43**	<0.704	**4.47**	**2.90**	**140,000**
		1030	**41.1**	<0.639	<0.776	<0.622	<0.413	<1.03	**188**	<0.810	<0.793	**23.9**	**1.35**	<0.982	**1.40**	**1.73**	**366**	**1,280**	<0.983	<0.694	<5.11	**14.3**	<5.12	<0.819	<3.30	**24.5**	<0.851	<1.36	<0.590	**16.5**	<1.09	<1.07	**3.30**	**3.64**	<0.704	**3.52**	**1.94**	**9,010**
		1045	Vacuum Recovery Event Terminated																																		
		1155	**183**	<0.639	**2.01**	**7.03**	<0.413	<1.03	**706**	<0.810	<0.793	**14.6**	**1.48**	<0.982	**1.24**	**1.46**	**928**	**10,500**	**1.03**	<0.694	<5.11	**42.5**	**5.32**	<0.819	<3.30	**139**	<0.851	<1.36	<0.590	**18.7**	<1.09	<1.07	**5.10**	**3.73**	<0.704	**4.51**	**1.99**	**31,300**
	4/20/2022	1157	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**16,000**	<64.8	<63.4	**956**	<69.4	<78.5	<89.9	<79.1	**27,000**	**144,000**	<78.7	<55.6	<409	<295	<409	**2,400**	<264	**5,850**	<68.1	<109	<47.2	<151	<87.0	<85.7	<78.5	**93.3**	<56.3	<139	<69.4	**735,000**
		0805	<1,190	<256	<311	<249	<165	<412	**465,000**	<324	<317	**3,680**	<347	<393	<450	<396	**638,000**	**5,390,000**	<393	<278	<2,040	**12,300**	<2,050	<328	<1,320	**23,300**	<340	<543	<236	<753	<435	<429	<393	<393	<282	<694	<347	**7,720,000**
		0810	Initiate Vacuum Recovery Event																																		
	4/25/2022	0833	**179**	<12.8	<15.5	<12.4	<8.26	<20.6	**2,680**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**6,180**	**15,800**	<19.7	<13.9	<102	**161**	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	**23.9**	<14.1	<34.7	<17.3	**138,000**
		0912	**32.6**	<1.28	<1.55	<1.24	<0.826	<2.06	**413**	<1.62	<1.59	**8.48**	**2.79**	<1.96	<2.25	**2.54**	**1,470**	**3,400**	<1.97	<1.39	<10.2	**31.6**	<10.2	<1.64	<6.60	**11.5**	<1.70	<2.72	<1.18	<3.77	<2.18	<2.14	**12.2**	**23.1**	<1.41	**5.38**	**4.38**	**22,600**
		0928	Vacuum Recovery Event Terminated																																		
		1033	<1,190	**1,660**	<311	<249	<165	<412	**23,800**	<324	<317	**2,960**	**4,860**	**3,510**	<450	<396	**42,900**	**103,000**	**860**	<278	<2,040	<1,470	<2,050	<328	<1,320	**16,300**	<340	<543	<236	**14,500**	<435	<429	**2,730**	**1,110**	<282	**7,370**	**2,750**	**1,060,000**
	4/28/2022	1152	**544**	<0.639	<0.776	<0.622	<0.413	<1.03	**112**	<0.810	<0.793	**100**	**23.5**	<0.982	<1.12	<0.989	**148**	**1,100**	**7.57**	<0.694	<5.11	**25.7**	**8.31**	<0.819	<3.30	**106**	<0.851	<1.36	<0.590	**113**	<1.09	<1.07	**26.6**	**17.2**	<0.704	**47.3**	**20.8**	**22,600**

ENSOLUM

TABLE 4
AIR SAMPLING (VOCs) ANALYTICAL DATA SUMMARY
Levey Well
Oxy Permian Ltd.
Hobbs, New Mexico
Ensolum Project No. 03B1417001

Sample Designation	Date	Time	(ug/m3)																																
			Acetone	Benzene	Bromomethane	Carbon disulfide	Chloromethane	2-Chlorotoluene	Cyclohexane	1,2-Dichloroethane	cis-1,2-Dichloroethene	Ethanol	Ethylbenzene	4-Ethyltoluene	Trichlorofluoromethane	Dichlorodifluoromethane	Heptane	n-Hexane	Isopropylbenzene	Methylene Chloride	Methyl Butyl Ketone	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Methyl methacrylate	Naphthalene	2-Propanol	Styrene	Tetrachloroethylene	Tetrahydrofuran	Toluene	1,1,1-Trichloroethane	Trichloroethylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m&p-Xylene	o-Xylene	TPH (GC/MS) Low Fraction
Levey Well	5/5/2022	1454	<1,190	<256	<311	<249	<165	<412	**30,500**	<324	<317	<943	<347	<393	<450	<396	**47,000**	**673,000**	<393	<278	<2,040	<1,470	<2,050	<328	<1,320	**8,900**	<340	<543	<236	<753	<435	<429	<393	<393	<282	<694	<347	**1,430,000**
	5/9/2022	0958	<1,190	<256	<311	<249	<165	<412	**49,200**	<324	<317	**2,660**	<347	<393	<450	<396	**66,300**	**850,000**	<393	<278	<2,040	**3,480**	<2,050	<328	<1,320	**26,100**	<340	<543	<236	<753	<435	<429	<393	<393	<282	<694	<347	**2,380,000**
		1000	Initiate Vacuum Recovery Event																																		
		1020	**333**	<0.639	<0.776	**1.34**	**1.81**	<1.03	**995**	<0.810	<0.793	**42.4**	**4.07**	**17.1**	<1.12	**1.20**	**2,530**	**8,780**	<0.983	<0.694	<5.11	**203**	<5.12	<0.819	**5.09**	**76.2**	<0.851	<1.36	<0.590	<1.88	<1.09	<1.07	**12.9**	**20.8**	<0.704	**7.02**	**5.94**	**54,100**
		1057	**90.8**	<0.639	<0.776	<0.622	**2.85**	<1.03	**159**	<0.810	<0.793	**13.3**	<0.867	**1.08**	**1.31**	**1.81**	**385**	**1,040**	<0.983	<0.694	<5.11	**33.6**	<5.12	<0.819	<3.30	**13.7**	<0.851	<1.36	<0.590	<1.88	<1.09	<1.07	**1.54**	**2.56**	<0.704	<1.73	**1.03**	**8,220**
		1105	Vacuum Recovery Event Terminated																																		
		1218	**130**	**1.41**	**6.83**	**31.0**	**15.5**	<1.03	**3,090**	<0.810	<0.793	**32.2**	**3.73**	**7.02**	<1.12	<0.989	**6,260**	**4,830**	**1.60**	<0.694	<5.11	**193**	<5.12	<0.819	<3.30	**403**	<0.851	<1.36	<0.590	**6.37**	<1.09	<1.07	**8.59**	**15.2**	<0.704	**5.64**	**5.03**	**124,000**
	5/19/2022	1315	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**104,000**	<64.8	<63.4	**1,070**	<69.4	<78.5	<89.9	<79.1	**183,000**	**1,340,000**	<78.7	**105**	<409	<295	<409	<65.5	<264	**4,130**	<68.1	<109	<47.2	<151	<87.0	<85.7	<78.5	<78.5	<56.3	<139	<69.4	**4,750,000**
		1015	**12,100**	<51.1	<62.1	<49.8	<33.0	<82.5	**558,000**	<96.2	<63.4	<189	<69.4	633	<89.9	<79.1	**912,000**	**8,140,000**	<78.7	<55.6	<409	**14,100**	<409	<65.5	<264	**7,740**	<68.1	<109	<47.2	<151	<87.0	<85.7	**376**	**854**	<56.3	<139	<69.4	**27,600,000**
	5/23/2022	1017	Initiate Vacuum Recovery Event																																		
		1100	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**13,400**	<64.8	<63.4	**549**	<69.4	**158**	<89.9	<79.1	**70,800**	**263,000**	<78.7	<55.6	<409	**1,090**	<409	<65.5	<264	**7,450**	<68.1	<109	<47.2	<151	<87.0	<85.7	**86.9**	**215**	<56.3	<139	<69.4	**702,000**
		1200	**927**	<12.8	<15.5	<12.4	<10.6	<20.6	**6,410**	<16.2	<15.9	**196**	<17.3	**185**	<22.5	<19.8	**15,200**	**50,400**	<19.7	<13.9	<102	**590**	<102	<16.4	<66.0	**263**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**121**	**271**	<14.1	<34.7	<17.3	**450,000**
		1215	Vacuum Recovery Event Terminated																																		
		1355	**4,350**	<51.1	<62.1	<49.8	**88.6**	<82.5	**16,300**	<64.8	<63.4	**562**	<69.4	**146**	<89.9	<79.1	**47,000**	**154,000**	<78.7	<55.6	<409	**1,580**	<409	<65.5	<264	**7,520**	<68.1	<109	<47.2	<151	<87.0	<85.7	**85.9**	**205**	<56.3	<139	<64.4	**785,000**
	5/26/2022	1250	**49,400**	<1,280	<1,550	<1,240	<826	<2,060	**196,000**	<1,620	<1,590	**12,900**	<1,730	<1,960	<2,250	<1,980	**336,000**	**28,000,000**	<1,970	<1,390	<10,200	**8,230**	<10,200	<1,640	<6,600	**161,000**	<1,700	<2,720	<1,180	<3,770	<2,180	**2,330**	<1,960	<1,960	<1,410	<3,470	<1,730	**8,260,000**
	6/1/2022	1405	**8,290**	<256	<311	<249	<165	<412	**444,000**	<324	<317	**1,420**	<347	<393	<450	<396	**634,000**	**4,580,000**	<393	<278	<2,040	**6,100**	<2,050	<328	<1,320	**14,900**	<340	<543	<236	<753	<435	<429	<393	<393	<282	<694	<347	**22,600,000**
	6/8/2022	1033	<23,800	<5,100	<6,210	<4,980	<3,300	<8,250	**231,000**	<6,480	<6,340	**28,800**	<6,940	<7,850	<8,990	<7,910	**470,000**	**3,700,000**	<7,870	<5,560	<40,900	<29,500	<40,900	**18,600**	<26,400	**531,000**	<6,810	<10,900	<4,720	<15,100	<8,700	<8,570	<7,850	<7,850	<5,630	<13,900	<6,940	**15,900,000**
		1035	Initiate Vacuum Recovery Event																																		
		1058	<59.4	<12.8	<15.5	<12.4	<8.26	<20.6	**4,340**	<16.2	<15.9	**60.9**	**30.8**	**56.4**	<22.5	<19.8	**13,300**	**32,900**	<19.7	<13.9	<102	**97.0**	<102	<16.4	<66.0	**166**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**70.7**	**135**	<14.1	**37.9**	**30.9**	**220,000**
		1138	<2.97	**2.17**	<0.776	**9.65**	**1.80**	<1.03	**1,390**	<0.810	<0.793	**31.7**	**11.4**	**28.8**	**1.31**	**2.37**	**4,620**	**906**	**3.85**	<0.694	<5.11	**53.4**	<5.12	<0.819	**4.45**	**72.5**	<0.851	**1.89**	<0.590	**13.0**	<1.09	**3.89**	**36.2**	**60.4**	<0.704	**16.3**	**12.5**	**98,700**
		1153	Vacuum Recovery Event Terminated																																		
		1300	<59.4	<12.8	**17.5**	**30.3**	**45.4**	<20.6	**14,300**	<16.2	<15.9	**83.9**	**24.4**	**34.8**	<22.5	<19.8	**45,000**	**135,000**	<19.7	<13.9	<102	**985**	<102	<16.4	<66.0	**804**	<17.0	<27.2	<11.8	**40.7**	<21.8	<21.4	**43.2**	**83.9**	<14.1	**35.3**	**27.8**	**1,020,000**
	6/9/2022	1333	<238	<51.1	<62.1	**53.2**	<33.0	<82.5	**30,900**	<64.8	<63.4	**1,250**	<69.4	<78.5	<89.9	<79.1	**76,100**	**279,000**	<78.7	**87.5**	<409	**1,540**	<409	<65.5	<264	**12,500**	<68.1	<109	<47.2	<151	<87.0	<85.7	<78.5	**223**	<56.3	<139	**79.3**	**1,220,000**
	6/12/2022	1315	<59.4	<12.8	<15.5	<12.4	<8.26	<20.6	**5,960**	<16.2	<15.9	**790**	<17.3	<19.6	<22.5	<19.8	**7,930**	**108,000**	<19.7	**85.1**	<102	**563**	<102	520	<66.0	**11,700**	<17.0	**46.0**	<11.8	**64.8**	<21.8	<21.4	<19.6	**26.7**	<14.1	<34.7	<17.3	**271,000**
	6/20/2022	1015	<238	<51.1	<62.1	<49.8	<33.0	<82.5	**189,000**	<64.8	<63.4	<189	<69.4	**242**	<89.9	<79.1	**319,000**	**3,240,000**	<78.7	<55.6	<409	**7,960**	<409	<65.5	<264	**12,700**	<68.1	<109	<47.2	<151	<87.0	<85.7	**124**	**314**	<56.3	**157**	**105**	**10,600,000**
		1040	Initiate Vacuum Recovery Event																																		
		1148	**137**	<12.8	<15.5	<12.4	<8.26	<20.6	**1,390**	<16.2	<15.9	<47.1	<17.3	**57.4**	<22.5	<19.8	**3,870**	**14,200**	<19.7	<13.9	<102	**130**	<102	<16.4	<66.0	**112**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**39.3**	**78.0**	<14.1	<34.7	<17.3	**92,900**
		1256	**95.5**	<0.639	<0.776	<0.622	<0.413	<1.03	**475**	<0.810	<0.793	**19.0**	<0.867	**15.5**	<1.12	**2.19**	**1,060**	**2,440**	<0.983	<0.694	<5.11	**64.9**	<5.12	<0.819	<3.30	**47.2**	<0.851	<1.36	<0.590	<1.88	<1.09	<1.07	**23.1**	**36.5**	<0.704	**5.68**	**5.46**	**35,100**
		1257	Vacuum Recovery Event Terminated																																		
		1403	**197**	<0.639	<0.776	<0.622	<0.413	<1.03	**1,050**	<0.810	<0.793	**18.6**	<0.867	**7.21**	<1.12	<0.989	**2,070**	**15,700**	<0.983	<0.694	<5.11	**102**	<5.12	<0.819	<3.30	**113**	<0.851	<1.36	<0.590	<1.88	<1.09	<1.07	**8.69**	**17.0**	<0.704	**3.90**	**3.65**	**88,000**
	6/23/2022	1305	**14,000**	<639	<776	<622	<413	<1,030	**48,600**	<810	<793	**3,260**	<867	<982	<1,120	<989	**107,000**	**702,000**	<983	<694	<5,110	<3,690	<5,120	<819	<3,300	**48,700**	<851	<1,360	<590	<1,880	<1,090	<1,070	<982	<982	<704	<1,730	<867	**2,210,000**
	6/29/2022	1255	**27,300**	<51.1	<62.1	**161**	<33.0	<82.5	**339,000**	<64.8	<63.4	**1,690**	<69.4	**314**	<89.9	<79.1	**450,000**	**3,320,000**	<78.7	<55.6	<409	**19,000**	<409	<65.5	<264	**13,600**	<68.1	<109	<47.2	<151	<87.0	<85.7	**149**	**453**	<56.3	<139	<69.4	**19,600,000**
	7/7/2022	1340	**15,500**	<1,190	<311	<249	<165	<412	**166,000**	<324	<317	**3,190**	<347	<393	<450	<396	**303,000**	**2,470,000**	<393	<278	<2,040	**12,200**	<2,050	<328	<1,320	**14,500**	<340	<543	<236	<753	<435	<429	<393	<393	<282	<694	<347	**6,650,000**
	7/13/2022	1315	<238	<51.1	<62.1	<49.8	<33.0	<82.5	<55.1	<64.8	<63.4	<189	<69.4	**258**	<89.9	<79.1	**781,000**	**6,030,000**	<78.7	<55.6	<409	**28,100**	<409	<65.5	<264	**6,640**	<68.1	<109	<47.2	<151	<87.0	<85.7	**266**	**623**	<56.3	<139	**251**	**24,500,000**
	7/18/2022	1135	**22,000**	<256	<311	<249	<165	<412	**995,000**	<324	<317	<943	<347	**479**	<450	<396	**1,020,000**	**12,300,000**	<393	<278	<2,040	**19,200**	<2,050	<328	<1,320	**13,900**	<340	<543	<236	<753	<435	<429	<393	**667**	<282	<694	<347	**46,700,000**
		1224	Initiate Vacuum Recovery Event																																		
		1355	**356**	**693**	<15.5	**14.8**	<8.26	<20.6	**4,370**	<16.2	<15.9	<47.1	**806**	**135**	<22.5	<19.8	**3,930**	**24,000**	**52.1**	<13.9	<102	**363**	<102	<16.4	<66.0	**131**	<17.0	<27.2	<11.8	**2,230**	<21.8	<21.4	**153**	**161**	<14.1	**494**	**170**	**258,000**
		1435	Vacuum Recovery Event Terminated																																		
		1625	**342**	<12.8	<15.5	**15.1**	<8.26	<20.6	**2,520**	<16.2	<15.9	<47.1	**35.8**	**27.3**	<22.5	<19.8	**4,620**	**18,600**	<19.7	<13.9	<102	**229**	<102	<16.4	<66.0	**418**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**52.0**	**57.9**	<14.1	<34.7	**19.0**	**131,000**
	7/20/2022	1335	**13,600**	<1,280	<1,550	<1,240	<826	<2,060	**82,700**	<1,620	<1,590	**4,750**	<1,730	<1,960	<2,250	<1,980	**107,000**	**610,000**	<1,970	<1,390	<10,200	<7,370	<10,200	<1,640	<6,600	**43,500**	<1,700	**3,900**	<1,180	<3,770	<2,180	<2,140	<1,960	<1,960	<1,410	<3,470	<1,730	**3,630,000**
	7/27/2022	1238	<297	<63.9	<77.6	<62.2	<41.3	<103	**6,370**	<81.0	<79.3	**245**	<86.7	<98.2	<112	<98.9	**11,800**	**1,610,000**	<98.3	<69.4	<511	**422**	<512	<81.9	<330	**2,930**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**339,000**
	8/1/2022	1113	**13,100**	<63.9	<77.6	<62.2	<41.3	<103	<68.9	<81.0	<79.3	**3,510**	<86.7	**241.0**	<112	<98.9	**299,000**	**1,910,000**	<98.3	<69.4	<511	**9,580**	<512	<81.9	<330	**52,100**	<85.1	**1,470**	<59.0	<188	<109	**361**	**350**	**530**	<70.4	<173	**186**	<8,260,000
		1115	Initiate Vacuum Recovery Event																																		
		1220	**67.5**	<0.639	<0.776	**2.36**	**1.63**	<1.03	<0.689	<0.810	<0.793	**97.7**	**3.77**	**2.36**	<1.12	**1.95**	**321**	**892**	<0.983	**16.9**	<5.11	**27.9**	**12.0**	<0.819	<3.30	**58.0**	<0.851	<1.36	<0.590	**40.7**	<1.09	<1.07	**4.31**	**5.45**	<0.704	**9.67**	**5.07**	**9,210**
		1328	**525**	<0.639	**0.877**	**10.1**	**3.51**	<1.03	<0.689	<0.810	<0.793	**37.0**	**3.20**	**4.29**	<1.12	**1.97**	**265**	**1,210**	**1.41**	<0.694	**164**	**548**	**84.7**	<0.819	<3.30	**237**	<0.851	<1.36	<0.590	**3.56**	<1.09	<1.07	**8.44**	**8.64**	<0.704	**5.16**	**2.92**	**12,200**
		1330	Vacuum Recovery Event Terminated																																		
		1435	**5,110**	<12.8	<15.5	**140**	**36.4**	<20.6	<13.8	<16.2	<15.9	**215**	<17.3	**105**	<22.5	<19.8	**15,000**	**39,100**	<19.7	<13.9	**1,020**	**3,800**	**540**	<16.4	<66.0	**2,530**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	**163**	**227**	<14.1	**53.8**	**55.9**	<330,000
	8/4/2022	1358	<238	<51.1	<62.1	**229**	<33.0	<82.5	**49,600**	<123	<63.4	**1,680**	<69.4	**112**	<89.9	<112	**101,000**	**568,000**	<78.7	**135**	<409	<7,370	<409	<65.5	<264	**17,600**	<68.1	<109	<47.2	<151	<87.0	<85.7	**126**	**251**	<56.3	<139	**108**	**3,060,000**
	8/10/2022	1353	<238	<51.1	<62.1	**58.5**	<33.0	<82.5	**65,100**	<64.8	**69.4**	**1,150**	<69.4	<78.5	<89.9	<79.1	**121,000**	**1,200,000**	<78.7	**60.1**	<409	**2,920**	<409	<65.5	<264	**17,300**	<68.1	<109	<47.2	<151	<87.0	<85.7	<78.5	<78.5	<56.3	<139	<69.4	**1,660,000**
	8/15/2022	0953	<594	<128	<155	**280**	<82.6	<206	**544,000**	<162	<159	**3,150**	<173	<196	<225	<198	**924,000**	**6,870,000**	<197	<139	<1,020	<737	<1,020	**1,430**	<660	<615	<170	<272	<118	<377	<218	<214	<196	**281**	<141	<347	<173	**22,100,000**
		1150	Initiate Vacuum Recovery Event																																		
		1258	**416**	<0.639	<0.776	**2.04**	<0.413	<1.03	**1,750**	<0.810	<0.793	**31.1**	<0.867	<0.982	<1.12	**1.52**	**3,170**	**10,500**	<0.983	<0.694	<5.11	**181**	<5.12	<0.819	<3.30	**42.3**	<0.851	<1.36	<0.590	<1.88	<1.09	<1.07	**9.87**	**21.1**	<0.704	**9.58**	<0.867	**88,000**
		1405	**611**	<3.19	<3.88	<3.11	<2.07	<5.15	**1,630**	<4.05	<3.96	**46.2**	<4.34	<4.91	<5.62	<4.95	**1,390**	**5,540**	<4.92	<3.47	<25.6	**226**	<25.6	<4.09	<16.5	**88.7**	<4.25	<6.79	<2.95	<9.42	<5.44	<5.36	**11.2**	**20.9**	<3.52	**14.2**	<4.34	**79,300**
		1405	Vacuum Recovery Event Terminated																																		
		1513	**3,800**	<63.9	<77.6	<62.2	<41.3	<103	**9,260**	<81.0	<79.3	**2,680**	<86.7	<98.2	<112	<98.9	**19,100**	**75,800**	<98.3	<69.4	<511	**1,750**	<512	<81.9	<330	**42,500**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**504,000**

ENSOLUM

TABLE 4
AIR SAMPLING (VOCs) ANALYTICAL DATA SUMMARY
Levey Well
Oxy Permian Ltd.
Hobbs, New Mexico
Ensolum Project No. 03B1417001

Sample Designation	Date	Time	(ug/m3) Acetone	Benzene	Bromomethane	Carbon disulfide	Chloromethane	2-Chlorotoluene	Cyclohexane	1,2-Dichloroethane	cis-1,2-Dichloroethene	Ethanol	Ethylbenzene	4-Ethyltoluene	Trichlorofluoromethane	Dichlorodifluoromethane	Heptane	n-Hexane	Isopropylbenzene	Methylene Chloride	Methyl Butyl Ketone	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Methyl methacrylate	Naphthalene	2-Propanol	Styrene	Tetrachloroethylene	Tetrahydrofuran	Toluene	1,1,1-Trichloroethane	Trichloroethylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m&p-Xylene	o-Xylene	TPH (GC/MS) Low Fraction
Levey Well	8/18/2022	1231	<238	<51.1	<62.1	**246**	<33.0	<82.5	**146,000**	<64.8	<63.4	**769**	<69.4	<78.5	<89.9	<79.1	**295,000**	**1,370,000**	<78.7	**63.9**	<409	**6,250**	<409	<65.5	<264	**15,500**	<68.1	<109	<47.2	<151	<87.0	<85.7	<78.5	**148**	<56.3	<139	**95.4**	**7,520,000**
	8/24/2022	1147	<297	<63.9	<77.6	<62.2	<41.3	<103	**585,000**	<81.0	<79.3	<236	<86.7	<98.2	<112	<98.9	**1,050,000**	**8,950,000**	<98.3	<69.4	<511	**13,900**	<512	<81.9	<330	**13,500**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**40,800,000**
	8/31/2022	1247	**132,000**	<256	<311	<249	<165	<412	**71,300**	<324	<317	**1,430**	<347	<393	<450	<396	**112,000**	**959,000**	<393	<278	<2,040	**3,660**	**5,530**	<328	<1,320	**16,500**	<340	<543	<236	<753	<435	<429	<393	<393	<282	<694	<347	**2,480,000**
	9/8/2022	1247	**57,500**	<1,280	<1,550	<1,240	<826	<2,060	**403,000**	<1,620	<1,590	**5,640**	<1,730	<1,960	<2,250	<1,980	**646,000**	**6,030,000**	<1,970	<1,390	<10,200	**46,600**	<10,200	<1,640	<6,600	**30,200**	<1,700	<2,720	<1,180	<3,770	<2,180	<2,140	<1,960	<1,960	**49,700**	<3,470	<1,730	**19,800,000**
	9/15/2022	1342	<149	<31.9	<38.8	**47.0**	<20.7	<51.5	**29,100**	<40.5	<39.6	**1,330**	<43.4	<49.1	<56.2	<49.5	**59,700**	**353,000**	<49.2	**77.8**	<256	**1,350**	<256	<40.9	<165	**6,070**	<42.5	**80.1**	<29.5	<94.2	<54.4	<53.6	<49.1	<49.1	<35.2	<86.7	<43.4	**830,000**
	9/22/2022	1337	**151,000**	<2,560	<3,110	<2,490	<1,650	<4,120	**554,000**	<3,240	<3,170	**288,000**	**3,590**	<3,930	<4,500	<3,960	**573,000**	**35,200,000**	<3,930	<2,780	<20,400	**57,200**	<20,500	**7,700**	<13,200	**6,930,000**	**4,110**	**33,800**	<2,360	**17,100**	<4,350	<4,290	**6,090**	<3,930	<2,820	**14,000**	**6,680**	**27,700,000**
	9/26/2022	1046	**39,900**	<639	<776	<622	<413	<1,030	**641,000**	<810	<793	**5,710**	<867	<982	<1,120	<989	**1,060,000**	**9,450,000**	<983	<694	<5,110	**20,100**	<5,120	<819	<3,300	**38,100**	<851	<1,360	<590	<1,180	<1,090	<1,070	<982	<982	<704	<1,730	<867	**19,600,000**
		1255	Initiate Vacuum Recovery Event																																			
		1403	**337**	<12.8	<15.5	<12.4	<8.26	<20.6	**4,170**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**4,830**	**33,700**	<19.7	<13.9	<102	**292**	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	<19.6	<14.1	<34.7	<17.3	**189,000**
		1512	**116**	<12.8	<15.5	<12.4	<8.26	<20.6	**830**	<16.2	<15.9	**68.1**	<17.3	<19.6	<22.5	<19.8	**986**	**4,120**	<19.7	<13.9	<102	**104**	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	<19.6	<14.1	<34.7	<17.3	**39,100**
		1512	Vacuum Recovery Event Terminated																																			
	9/28/2022	1609	**297**	<12.8	<15.5	<12.4	<8.26	<20.6	**2,100**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**2,380**	**12,700**	<19.7	<13.9	<102	**330**	<102	<16.4	<66.0	**109**	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	**23.7**	<14.1	<34.7	<17.3	**88,400**
	10/4/2022	1215	**14,200**	<63.9	<77.6	**136**	<41.3	<103	**118,000**	<81.0	<79.3	<236	<86.7	<98.2	<112	<98.9	**241,000**	**1,110,000**	<98.3	<69.4	<511	**6,840**	<512	<81.9	<330	**6,660**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**4,790,000**
		1327	<29,700	<6,390	<7,760	<6,220	<4,130	<10,300	**499,000**	<8,100	<7,930	**766,000**	<8,670	<9,820	<11,200	<9,890	**908,000**	**6,490,000**	<9,830	<6,940	<51,100	**66,900**	<51,200	**188,000**	<33,000	**3,440,000**	<8,510	**27,500**	<5,900	<18,800	<10,900	<10,700	<9,820	<9,820	<7,040	<17,300	<8,670	**32,000,000**
	10/10/2022	1226	**15,900**	<128	<155	**128**	<82.6	<206	**413,000**	<162	<159	**2,070**	<173	<196	<225	<198	**658,000**	**7,760,000**	<197	<139	<1,020	**11,900**	<1,020	<164	<660	**9,510**	<170	<272	<118	<377	<218	**1,390**	<196	**206**	<141	<347	<173	**24,600,000**
		1230	Initiate Vacuum Recovery Event																																			
		1326	**71.1**	**1.52**	<0.776	**0.741**	**9.21**	<1.03	**1,400**	<0.810	<0.793	**14.8**	<0.867	**3.48**	<1.12	**1.36**	**3,850**	**14,900**	<0.983	**0.913**	<5.11	**109**	<5.12	<0.819	<3.30	**8.50**	<0.851	<1.36	<0.590	**3.08**	<1.09	<1.07	**5.79**	**8.05**	<0.704	**4.94**	**2.65**	**124,000**
		1438	**94.8**	**0.923**	<0.776	**0.672**	**2.58**	<1.03	**1,280**	<0.810	<0.793	**16.3**	<0.867	**2.65**	<1.12	**1.63**	**3,040**	**13,400**	<0.983	**0.934**	<5.11	**92.0**	<5.12	<0.819	<3.30	**120**	<0.851	<1.36	<0.590	**1.96**	<1.09	<1.07	**2.68**	**6.43**	<0.704	<0.867	**1.82**	**104,000**
		1438	Vacuum Recovery Event Terminated																																			
		1538	<2.97	**4.12**	<0.776	**15.5**	**16.6**	<1.03	**14,500**	<0.810	<0.793	**120**	<0.867	**23.3**	<1.12	<0.989	**34,700**	**122,000**	<0.983	<0.694	<5.11	**263**	<5.12	<0.819	<3.30	**49.2**	<0.851	<1.36	<0.590	**9.15**	<1.09	<1.07	**19.6**	**56.0**	<0.704	**12.7**	**17.6**	**698,000**
	10/14/2022	1136	**21,900**	<128	<155	**181**	<82.6	<206	**121,000**	<162	<159	**2,000**	<173	<196	<225	<198	**193,000**	**2,850,000**	<197	<139	<1,020	**8,880**	<1,020	<164	<660	**6,490**	<170	<272	<118	<377	<218	<214	<196	<196	<141	<347	<173	**3,990,000**
	10/19/2022	1350	**10,600**	<63.9	<77.6	<62.2	<41.3	<103	**382,000**	<81.0	<79.3	<236	<86.7	<98.2	<112	<98.9	**769,000**	**6,280,000**	<98.3	<69.4	<511	**9,170**	<512	<81.9	<330	**6,190**	<85.1	**760**	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**22,600,000**
	10/24/2022	1100	**13,700**	<63.9	<77.6	<62.2	<41.3	<103	**88,200**	<81.0	<79.3	**6,200**	**211**	**339**	<112	<98.9	**174,000**	**1,030,000**	<98.3	<69.4	<511	**6,900**	<512	<81.9	<330	**12,300**	<170	<136	<59.0	**1,020**	<109	<107	**312**	**226**	<70.4	**806**	**273**	<4,130,000
		1100	Initiate Vacuum Recovery Event																																			
		1208	<59.4	**15.4**	<15.5	<12.4	<8.26	<20.6	<13.8	<16.2	<15.9	**207**	**22.1**	<19.6	<22.5	<19.8	**22.2**	**62.8**	<19.7	<13.9	<102	<73.7	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	**96.8**	<21.8	<21.4	<19.6	<19.6	<14.1	**43.3**	**17.4**	<16,500
		1308	**97.4**	<0.639	<0.776	**4.45**	**2.07**	<1.03	**149**	<0.810	<0.793	**57.9**	**1.21**	<0.982	<1.12	**2.45**	**442**	**1,290**	<0.983	<0.694	<5.11	**61.3**	<5.12	<0.819	<3.30	**31.0**	<0.851	<1.36	<0.590	<1.88	<1.09	<1.07	**2.36**	**5.45**	<0.704	**3.86**	**1.53**	**9,670**
		1308	Vacuum Recovery Event Terminated																																			
		1408	**335**	<0.639	<0.776	<622	<413	<1.03	**2,270**	<0.810	<0.793	<2.36	<0.867	<0.982	<1.12	<0.989	**3,730**	**18,400**	<0.983	<0.694	<5.11	**234**	<5.12	<0.819	<3.30	<3.07	<0.851	<1.36	<0.590	<1.88	<1.09	<1.07	**2.62**	**5.60**	<0.704	**4.55**	**2.10**	**74,400**
	10/27/2022	1337	**7,680**	<639	<776	<622	<413	<1,030	**33,300**	<810	<793	**4,530**	<867	<982	<1,120	<989	**49,100**	**348,000**	<983	<694	<5,110	<3,690	<5,120	<819	<3,300	**17,900**	<851	<1,360	<590	<1,880	<1,090	<1,070	<982	<982	<704	<1,730	<867	**1,670,000**
	11/2/2022	1339	<5,940	<1,280	<1,550	<1,240	<826	<2,060	**64,400**	<1,620	<1,590	**6,340**	<1,730	<1,960	<2,250	<1,980	**130,000**	**702,000**	<1,970	<1,390	<10,200	**11,500**	<10,200	<1,640	<6,600	**30,000**	<1,700	<2,720	<1,180	<3,770	<2,180	<2,140	<1,960	<1,960	<1,410	<3,470	<1,730	**4,040,000**
	11/7/2022	1115	<297	<66.9	<77.6	<62.2	<41.3	<103	**209,000**	<81.0	<79.3	<236	<86.7	<98.2	<112	<98.9	**299,000**	**825,000**	<98.3	<69.4	<511	**12,600**	<512	<81.9	<330	**24,400**	<85.1	<136	<59.0	**241**	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**12,500,000**
		1203	Initiate Vacuum Recovery Event																																			
		1310	**775**	<12.8	<15.5	<12.4	<8.26	<20.6	**1,420**	<16.2	<15.9	**78.1**	<17.3	<19.6	<22.5	<19.8	**4,020**	**10,700**	<19.7	<13.9	<102	**273**	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	<19.6	<14.1	<34.7	<17.3	**84,300**
		1415	**323**	<3.19	<3.88	<3.11	<2.07	<5.15	**323**	<4.05	<3.96	**27.0**	<4.34	<4.91	<5.62	<4.95	**859**	**2,250**	<4.92	<3.47	<25.6	**64.6**	<25.6	<4.09	<16.5	**15.6**	<4.25	<6.79	<2.95	<9.42	<5.44	<5.36	<4.91	<4.91	<3.52	<8.67	<4.34	**22,300**
		1415	Vacuum Recovery Event Terminated																																			
		1515	**13,100**	<63.9	<77.6	<62.2	<41.3	<103	**9,160**	<81.0	<79.3	**10,300**	<86.7	<98.2	<112	<98.9	**22,500**	**73,300**	<98.3	<69.4	<511	**2,670**	<512	<81.9	<330	**18,400**	<85.1	<136	<59.0	**195**	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**483,000**
	11/9/2022	1318	**11,100**	<63.9	<77.6	<62.2	<41.3	<103	**16,600**	<81.0	<79.3	**4,710**	<86.7	<98.2	**123**	**173**	**56,900**	**183,000**	<98.3	**1,160**	<511	**3,130**	<512	<81.9	<330	**18,900**	**88.0**	**767**	<59.0	**844**	<109	<107	<98.2	<98.2	<70.4	**271**	**87.6**	**1,050,000**
	11/16/2022	1335	**34,900**	<639	<776	<622	<413	<1,030	<689	<810	<793	**35,600**	<867	<982	<1,120	<989	**267,000**	**3,840,000**	<983	<694	<5,110	**19,500**	<5,120	<819	<3,300	**35,200**	<851	<1,360	<590	<1,180	<1,090	<1,070	<982	<982	<704	<1,730	<867	**12,800,000**
	11/21/2022	1115	**65,800**	<639	<776	<622	<413	<1,030	<689	<810	<793	**16,900**	<867	<982	<1,120	<989	**642,000**	**10,900,000**	<983	<694	<5,110	**33,000**	<5,120	<819	<3,300	**35,400**	<851	**1,620**	<590	<1,180	<1,090	<1,070	<982	<982	<704	<1,730	<867	**38,900,000**
	11/30/2022	1316	<297	<63.9	<77.6	<62.2	<41.3	<103	**458,000**	<81.0	<79.3	<236	<86.7	<98.2	<112	<98.9	**757,000**	**6,200,000**	<98.3	<69.4	<511	<369	<512	<81.9	<330	<307	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**27,200,000**
	12/5/2022	1207	<297	<63.9	<77.6	<62.2	<41.3	<103	**1,020**	<81.0	<79.3	**5,620**	**1,210**	**393**	<112	<98.10	**3,390**	**8,850**	**135**	**434**	<511	**448**	<512	<81.9	<330	**17,500**	<85.1	<136	<59.0	**403**	<109	**139**	**1,110**	**351**	<70.4	**2,290**	**295**	**116,000**
		1209	Initiate Vacuum Recovery Event																																			
		1327	<297	<63.9	<77.6	<62.2	<41.3	<103	<68.9	<81.0	<79.3	**5,390**	**551**	**346**	<112	<98.9	**1,420**	**4,940**	<98.3	**361**	<511	<369	<512	<81.9	<330	**15,900**	<85.1	<136	<59.0	**256**	<109	**191**	**613**	**177**	<70.4	**1,110**	**157**	<82,600
		1427	<297	<62.6	<77.6	<62.2	<41.3	<103	**4,480**	<81.0	<79.3	**6,300**	<1,730	**21,300**	<112	<98.9	**4,130**	**166,000**	**6,000**	<69.4	<511	<369	<512	<81.9	<330	**12,800**	<85.1	<136	<59.0	<9,420	<109	<107	**25,000**	**8,640**	<70.4	<8,670	**15,500**	<4,130,000
		1427	Vacuum Recovery Event Terminated																																			
		1527	<297	<63.9	<77.6	<62.2	<41.3	<103	**6,990**	<81.0	<79.3	**6,180**	**352**	**144**	<112	<98.9	**17,900**	**64,200**	<98.3	<69.4	<511	**858**	<512	<81.9	<330	**23,200**	<85.1	<136	<59.0	<188	<109	<107	**409**	**139**	<70.4	**720**	**114**	**421,000**
	12/9/2022	1241	<2,970	<639	<776	<622	<413	<1,030	**162,000**	<810	<793	**9,370**	<867	<982	<1,112	<989	**265,000**	**3,110,000**	<983	<694	<5,110	**7,110**	<5,120	<819	<3,300	**19,100**	<851	<1,360	<590	<1,880	<1,090	<1,070	<982	<982	<704	<1,730	<867	**7,640,000**
	12/15/2022	1228	**20,600**	<1,280	<1,550	<1,240	<826	<2,060	**321,000**	<1,620	<1,590	**7,960**	<1,730	<1,960	<2,250	<1,980	**634,000**	**4,790,000**	<1,970	<1,390	<10,200	**12,200**	<10,200	<1,640	<6,600	**13,900**	<1,700	<2,720	<1,180	<3,770	<2,180	<2,140	<1,960	<1,960	<1,410	<3,470	<1,730	**16,300,000**
	12/19/2022	1141	<1,490	<319	<388	<311	<207	<515	**158,000**	<405	<396	**6,390**	<434	<491	<562	<495	**305,000**	**2,420,000**	<492	**941**	<2,560	**10,200**	<2,560	<409	<1,650	**7,010**	<425	<679	<295	<942	<544	<536	<491	<491	<352	<867	<434	**8,880,000**
		1143	Initiate Vacuum Recovery Event																																			
		1538	**105**	<12.8	<15.5	<12.4	<8.26	<20.6	**1,210**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**3,310**	**7,510**	<19.7	<13.9	<102	<73.7	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	<19.6	<14.1	<34.7	<17.3	**75,200**
		1638	<59.4	<12.8	<15.5	<12.4	<8.26	<20.6	**596**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**1,170**	**3,910**	<19.7	<13.9	<102	<73.7	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	<19.6	<14.1	<34.7	<17.3	**34,000**
		1638	Vacuum Recovery Event Terminated																																			
		1738	<59.4	<12.8	<15.5	<12.4	**29.9**	<20.6	**3,550**	<16.2	<15.9	<47.1	<17.3	<19.6	<22.5	<19.8	**6,130**	**21,200**	<19.7	<13.9	<102	**105**	<102	<16.4	<66.0	<61.5	<17.0	<27.2	<11.8	<37.7	<21.8	<21.4	<19.6	<19.6	<14.1	<34.7	<17.3	**138,000**
	12/21/2022	1318	<297	<63.9	<77.6	<62.2	<41.3	<103	**88,200**	<81.0	<79.3	**6,980**	<86.7	<98.2	<112	<98.9	**195,000**	**2,290,000**	<98.3	**190**	<511	**4,810**	<512	<81.9	<330	**9,000**	<85.1	<136	<59.0	**302**	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**2,240,000**
	12/29/2022	1320	**19,000**	<63.9	<77.6	<62.2	<41.3	<103	**93,300**	<81.0	<79.3	**6,280**	<86.7	<98.2	<112	<98.9	**181,000**	**1,310,000**	<98.3	<69.4	<511	**10,200**	<512	<81.9	<330	**11,000**	<85.1	<136	<59.0	**304**	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**9,750,000**
	1/4/2023	1218	<297	<63.9	<77.6	**124**	<41.3	<103	**26,500**	<81.0	<79.3	**2,750**	<86.7	<98.2	<112	<98.9	**38,900**	**765,000**	<98.3	**76.4**	<511	**4,250**	<512	<81.9	<330	**4,820**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**1,170,000**
	1/9/2023	1110	<2,970	<63.9	<776	<622	<413	<103	**82,700**	<81.1	<793	**9,820**	<86.7	<98.2	<1,120	<989	**106,000**	**1,320,000**	<98.3	<694	<511	<3,690	<512	<81.9	<330	**53,800**	<85.1	<136	<590	<188	<1,090	<107	<98.2	**101**	<704	<173	<86.7	**1,720,000**
		1400	Initiate Vacuum Recovery Event																																			
		1507	<297	<63.9	<77.6	<62.2	<41.3	<103	**263**	<81.0	<79.3	**2,470**	<86.7	<98.2	<112	<98.9	**638**	**2,530**	<98.3	**77.8**	<511	<369	<512	<81.9	<330	**4,230**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	<82,600
		1608	<297	<63.9	<77.6	<62.2	<41.3	<103	**174**	<81.0	<79.3	**2,620**	<86.7	<98.2	<112	<98.9	**353**	**2,670**	<98.3	**74.7**	<511	<369	<512	<81.9	<330	**7,940**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	<82,600
		1608	Vacuum Recovery Event Terminated																																			
		1706	<297	<63.9	<77.6	<62.2	**64.6**	<103	**2,040**	<81.0	<79.3	**2,750**	<86.7	<98.2	<112	<98.9	**3,750**	**16,000**	<98.3	**79.2**	<511	<369	<512	<81.9	<330	**6,830**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**135,000**
	1/13/2023	1217	**9,510**	<63.9	<77.6	**95.6**	<41.3	<103	**43,400**	<81.0	<79.3	**4,880**	<86.7	<98.2	<112	<98.9	<81.8	**241,000**	<98.3	<69.4	<511	**3,270**	<512	<81.9	<330	**13,300**	<85.1	<136	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**1,510,000**
	1/19/2023	1154	**35,200**	**492**	<77.6	**321**	<41.3	<103	**630,000**	<81.0	<79.3	**6,670**	**120**	<98.2	<112	<98.9	**72,400**	**705,000**	<98.3	**1,790**	<511	**2,840**	<512	<81.9	<330	**11,800**	<85.1	**162**	<59.0	**1,210**	<109	<107	<98.2	<98.2	<70.4	**252**	<86.7	**5,450,000**
	1/23/2023	1111	<29,700	<6,390	<7,760	<6,220	<4,130	<10,300	**486,000**	<8,100	<7,930	**1,260,000**	<8,670	<9,820	<11,200	<9,890	**109,000**	**864,000**	<9,830	**18,800**	<51,100	<36,900	<51,200	**40,900**	<33,000	**1,530,000**	<8,510	<13,600	<5,900	**27,200**	<10,900	<10,700	<9,820	<9,820	<7,040	<17,300	<8,670	**12,300,000**
			Initiate Vacuum Recovery Event																																			
		1320	<297	<63.9	<77.6	<62.2	<41.3	<103	**1,770**	<81.0	<79.3	**3,560**	<86.7	<98.2	<112	<98.9	**589**	**3,740**	<98.3	**319**	<511	<369	<512	<81.9	<330	**27,500**	<85.1	**153**	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**116,000**
		1420	<297	<63.9	<77.6	<62.2	<41.3	<103	**1,040**	<81.0	<79.3	**4,000**	<86.7	<98.2	<112	<98.9	**362**	**2,780**	<98.3	**358**	<511	<369	<512	<81.9	<330	**10,600**	<85.1	**245**	<59.0	<188	<109	<107	<98.2	<98.2	**2,150**	<173	<86.7	**122,000**
		1520	Vacuum Recovery Event Terminated																																			
		1520	<297	<63.9	<77.6	<62.2	<41.3	<103	**2,240**	<81.0	<79.3	**4,200**	<86.7	<98.2	<112	<98.9	**646**	**4,410**	<98.3	**378**	<511	<369	<512	<81.9	<330	**12,800**	<85.1	**160**	<59.0	<188	<109	<107	<98.2	<98.2	<70.4	<173	<86.7	**109,000**

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

ENSOLUM

APPENDIX C

Laboratory Data Sheets and Chain-of-Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/19/2023 10:48:06 AM

JOB DESCRIPTION

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

JOB NUMBER

880-23692-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

Authorization

Generated
1/19/2023 10:48:06 AM

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

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

Laboratory Job ID: 880-23692-1
SDG: Hobbs NM

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 880-23692-1
Project/Site: Levey Well Hobbs, NM - 03B1417001 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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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

Glossary

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

Case Narrative

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

Job ID: 880-23692-1
SDG: Hobbs NM

Job ID: 880-23692-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-23692-1

Receipt
The sample was received on 1/13/2023 4:38 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 2.9°C

GC/MS VOA
Method 8260C: The matrix spike (MS) recoveries for analytical batch 860-85908 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS/LCSD) recovery is within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-85995 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFMS: Reanalysis of the following sample was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis : Levey Well (880-23692-1).

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, Magnesium and Sodium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 860-85967 and analytical batch 860-86186 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

Method 200.7: The following sample was diluted to bring the concentration of target analytes within the calibration range: Levey Well (880-23692-1). Elevated reporting limits (RLs) are provided.

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

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

Client Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

Client Sample ID: Levey Well

Date Collected: 01/13/23 10:40
Date Received: 01/13/23 16:38

Lab Sample ID: 880-23692-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00344**		0.00100	0.000533	mg/L			01/16/23 19:11	1
Bromobenzene	<0.000665	U	0.00100	0.000665	mg/L			01/16/23 19:11	1
Bromochloromethane	<0.000657	U	0.00100	0.000657	mg/L			01/16/23 19:11	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			01/16/23 19:11	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			01/16/23 19:11	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			01/16/23 19:11	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			01/16/23 19:11	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			01/16/23 19:11	1
Chlorobenzene	<0.000530	U	0.00100	0.000530	mg/L			01/16/23 19:11	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			01/16/23 19:11	1
Chloroform	<0.000643	U	0.00100	0.000643	mg/L			01/16/23 19:11	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			01/16/23 19:11	1
2-Chlorotoluene	<0.00118	U	0.00200	0.00118	mg/L			01/16/23 19:11	1
4-Chlorotoluene	<0.000472	U	0.00100	0.000472	mg/L			01/16/23 19:11	1
cis-1,2-Dichloroethene	<0.000714	U	0.00100	0.000714	mg/L			01/16/23 19:11	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			01/16/23 19:11	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			01/16/23 19:11	1
1,2-Dibromo-3-Chloropropane	<0.00127	U	0.00500	0.00127	mg/L			01/16/23 19:11	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			01/16/23 19:11	1
1,2-Dichlorobenzene	<0.000509	U	0.00100	0.000509	mg/L			01/16/23 19:11	1
1,3-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/16/23 19:11	1
1,4-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/16/23 19:11	1
Dichlorodifluoromethane	<0.000919	U	0.00100	0.000919	mg/L			01/16/23 19:11	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			01/16/23 19:11	1
1,2-Dichloroethane	<0.000590	U	0.00100	0.000590	mg/L			01/16/23 19:11	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			01/16/23 19:11	1
1,2-Dichloropropane	<0.000667	U	0.00500	0.000667	mg/L			01/16/23 19:11	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			01/16/23 19:11	1
2,2-Dichloropropane	<0.000780	U	0.00500	0.000780	mg/L			01/16/23 19:11	1
1,1-Dichloropropene	<0.00160	U	0.00500	0.00160	mg/L			01/16/23 19:11	1
Ethylbenzene	**0.0135**		0.00100	0.000411	mg/L			01/16/23 19:11	1
Hexachlorobutadiene	<0.00126	U	0.00500	0.00126	mg/L			01/16/23 19:11	1
Isopropylbenzene	**0.00668**		0.00100	0.000613	mg/L			01/16/23 19:11	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			01/16/23 19:11	1
m,p-Xylenes	**0.0558**		0.0100	0.00124	mg/L			01/16/23 19:11	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			01/16/23 19:11	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			01/16/23 19:11	1
n-Butylbenzene	<0.000644	U	0.00100	0.000644	mg/L			01/16/23 19:11	1
N-Propylbenzene	**0.00303**		0.00100	0.000498	mg/L			01/16/23 19:11	1
o-Xylene	**0.00827**		0.00100	0.000551	mg/L			01/16/23 19:11	1
p-Cymene (p-Isopropyltoluene)	<0.000919	U	0.00100	0.000919	mg/L			01/16/23 19:11	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			01/16/23 19:11	1
Styrene	<0.000655	U	0.00100	0.000655	mg/L			01/16/23 19:11	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			01/16/23 19:11	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			01/16/23 19:11	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			01/16/23 19:11	1
Tetrachloroethene	<0.000801	U	0.00100	0.000801	mg/L			01/16/23 19:11	1
Toluene	**0.0290**		0.00100	0.000475	mg/L			01/16/23 19:11	1
trans-1,2-Dichloroethene	<0.000945	U	0.00100	0.000945	mg/L			01/16/23 19:11	1

Client Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

Client Sample ID: Levey Well

Date Collected: 01/13/23 10:40
Date Received: 01/13/23 16:38

Lab Sample ID: 880-23692-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			01/16/23 19:11	1
1,2,3-Trichlorobenzene	<0.00217	U	0.00500	0.00217	mg/L			01/16/23 19:11	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			01/16/23 19:11	1
1,1,1-Trichloroethane	<0.00169	U	0.00500	0.00169	mg/L			01/16/23 19:11	1
1,1,2-Trichloroethane	<0.000511	U	0.00100	0.000511	mg/L			01/16/23 19:11	1
Trichloroethene	<0.000791	U	0.00500	0.000791	mg/L			01/16/23 19:11	1
Trichlorofluoromethane	<0.000638	U	0.00100	0.000638	mg/L			01/16/23 19:11	1
1,2,3-Trichloropropane	<0.000490	U	0.00100	0.000490	mg/L			01/16/23 19:11	1
1,2,4-Trimethylbenzene	**0.0120**		0.00100	0.000417	mg/L			01/16/23 19:11	1
1,3,5-Trimethylbenzene	**0.00408**		0.00100	0.000456	mg/L			01/16/23 19:11	1
Vinyl chloride	<0.000638	U	0.00200	0.000638	mg/L			01/16/23 19:11	1
Xylenes, Total	**0.0641**		0.0100	0.00124	mg/L			01/16/23 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*74 - 124*		*01/16/23 19:11*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 131*		*01/16/23 19:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*01/16/23 19:11*	*1*
Toluene-d8 (Surr)	*104*		*80 - 117*		*01/16/23 19:11*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.562**		0.500	0.0711	mg/L			01/14/23 20:53	1
Nitrate as N	**0.227**		0.100	0.0391	mg/L			01/14/23 20:53	1
Chloride	**292**		0.500	0.200	mg/L			01/14/23 20:53	1
Nitrite as N	<0.0293	U H	0.100	0.0293	mg/L			01/17/23 04:22	1
Fluoride	**0.202**	**J**	0.500	0.100	mg/L			01/14/23 20:53	1
Sulfate	**35.2**		0.500	0.109	mg/L			01/14/23 20:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**393**		10.0	5.76	mg/L		01/16/23 11:30	01/17/23 13:05	50
Magnesium	**71.7**		0.200	0.0428	mg/L		01/16/23 11:30	01/17/23 12:33	1
Potassium	**6.96**		0.500	0.0914	mg/L		01/16/23 11:30	01/17/23 12:33	1
Sodium	**125**		0.500	0.152	mg/L		01/16/23 11:30	01/17/23 12:33	1
SiO2	**75.8**		1.07	0.471	mg/L		01/16/23 11:30	01/17/23 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Anion/Cation Balance (SM 1030E)	**1.05**				%			01/17/23 13:23	1
Alkalinity (SM 2320B)	**949**		4.00	4.00	mg/L			01/17/23 15:39	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**949**		4.00	4.00	mg/L			01/17/23 15:39	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/17/23 15:39	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/17/23 15:39	1
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/17/23 15:39	1
Total Dissolved Solids (SM 2540C)	**1800**		20.0	20.0	mg/L			01/16/23 20:00	1
pH (SM 4500 H+ B)	**6.4**	**HF**			SU			01/17/23 13:08	1
Temperature (SM 4500 H+ B)	**13.0**	**HF**			Degrees C			01/17/23 13:08	1

Surrogate Summary

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

Job ID: 880-23692-1
SDG: Hobbs NM

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(74-124)	(75-131)	(63-144)	(80-117)
880-23692-1	Levey Well	97	96	100	104
LCS 860-85908/3	Lab Control Sample	98	98	103	99
LCSD 860-85908/4	Lab Control Sample Dup	98	102	102	100
MB 860-85908/9	Method Blank	99	100	108	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
Project/Site: Levey Well Hobbs, NM - 03B1417001

Job ID: 880-23692-1
SDG: Hobbs NM

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

Lab Sample ID: MB 860-85908/9
Matrix: Water
Analysis Batch: 85908

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000533	U	0.00100	0.000533	mg/L			01/16/23 16:07	1
Bromobenzene	<0.000665	U	0.00100	0.000665	mg/L			01/16/23 16:07	1
Bromochloromethane	<0.000657	U	0.00100	0.000657	mg/L			01/16/23 16:07	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			01/16/23 16:07	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			01/16/23 16:07	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			01/16/23 16:07	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			01/16/23 16:07	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			01/16/23 16:07	1
Chlorobenzene	<0.000530	U	0.00100	0.000530	mg/L			01/16/23 16:07	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			01/16/23 16:07	1
Chloroform	<0.000643	U	0.00100	0.000643	mg/L			01/16/23 16:07	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			01/16/23 16:07	1
2-Chlorotoluene	<0.00118	U	0.00200	0.00118	mg/L			01/16/23 16:07	1
4-Chlorotoluene	<0.000472	U	0.00100	0.000472	mg/L			01/16/23 16:07	1
cis-1,2-Dichloroethene	<0.000714	U	0.00100	0.000714	mg/L			01/16/23 16:07	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			01/16/23 16:07	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			01/16/23 16:07	1
1,2-Dibromo-3-Chloropropane	<0.00127	U	0.00500	0.00127	mg/L			01/16/23 16:07	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			01/16/23 16:07	1
1,2-Dichlorobenzene	<0.000509	U	0.00100	0.000509	mg/L			01/16/23 16:07	1
1,3-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/16/23 16:07	1
1,4-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/16/23 16:07	1
Dichlorodifluoromethane	<0.000919	U	0.00100	0.000919	mg/L			01/16/23 16:07	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			01/16/23 16:07	1
1,2-Dichloroethane	<0.000590	U	0.00100	0.000590	mg/L			01/16/23 16:07	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			01/16/23 16:07	1
1,2-Dichloropropane	<0.000667	U	0.00500	0.000667	mg/L			01/16/23 16:07	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			01/16/23 16:07	1
2,2-Dichloropropane	<0.000780	U	0.00500	0.000780	mg/L			01/16/23 16:07	1
1,1-Dichloropropene	<0.00160	U	0.00500	0.00160	mg/L			01/16/23 16:07	1
Ethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			01/16/23 16:07	1
Hexachlorobutadiene	<0.00126	U	0.00500	0.00126	mg/L			01/16/23 16:07	1
Isopropylbenzene	<0.000613	U	0.00100	0.000613	mg/L			01/16/23 16:07	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			01/16/23 16:07	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			01/16/23 16:07	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			01/16/23 16:07	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			01/16/23 16:07	1
n-Butylbenzene	<0.000644	U	0.00100	0.000644	mg/L			01/16/23 16:07	1
N-Propylbenzene	<0.000498	U	0.00100	0.000498	mg/L			01/16/23 16:07	1
o-Xylene	<0.000551	U	0.00100	0.000551	mg/L			01/16/23 16:07	1
p-Cymene (p-Isopropyltoluene)	<0.000919	U	0.00100	0.000919	mg/L			01/16/23 16:07	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			01/16/23 16:07	1
Styrene	<0.000655	U	0.00100	0.000655	mg/L			01/16/23 16:07	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			01/16/23 16:07	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			01/16/23 16:07	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			01/16/23 16:07	1
Tetrachloroethene	<0.000801	U	0.00100	0.000801	mg/L			01/16/23 16:07	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			01/16/23 16:07	1

QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

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

Lab Sample ID: MB 860-85908/9
Matrix: Water
Analysis Batch: 85908

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.000945	U	0.00100	0.000945	mg/L			01/16/23 16:07	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			01/16/23 16:07	1
1,2,3-Trichlorobenzene	<0.00217	U	0.00500	0.00217	mg/L			01/16/23 16:07	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			01/16/23 16:07	1
1,1,1-Trichloroethane	<0.00169	U	0.00500	0.00169	mg/L			01/16/23 16:07	1
1,1,2-Trichloroethane	<0.000511	U	0.00100	0.000511	mg/L			01/16/23 16:07	1
Trichloroethene	<0.000791	U	0.00500	0.000791	mg/L			01/16/23 16:07	1
Trichlorofluoromethane	<0.000638	U	0.00100	0.000638	mg/L			01/16/23 16:07	1
1,2,3-Trichloropropane	<0.000490	U	0.00100	0.000490	mg/L			01/16/23 16:07	1
1,2,4-Trimethylbenzene	<0.000417	U	0.00100	0.000417	mg/L			01/16/23 16:07	1
1,3,5-Trimethylbenzene	<0.000456	U	0.00100	0.000456	mg/L			01/16/23 16:07	1
Vinyl chloride	<0.000638	U	0.00200	0.000638	mg/L			01/16/23 16:07	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			01/16/23 16:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*74 - 124*		*01/16/23 16:07*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 131*		*01/16/23 16:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*63 - 144*		*01/16/23 16:07*	*1*
Toluene-d8 (Surr)	*101*		*80 - 117*		*01/16/23 16:07*	*1*

Lab Sample ID: LCS 860-85908/3
Matrix: Water
Analysis Batch: 85908

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	0.04527		mg/L		91	75 - 125
Bromobenzene	0.0500	0.04984		mg/L		100	75 - 125
Bromochloromethane	0.0500	0.04604		mg/L		92	60 - 140
Bromodichloromethane	0.0500	0.04797		mg/L		96	75 - 125
Bromoform	0.0500	0.05432		mg/L		109	70 - 130
Bromomethane	0.0500	0.05399		mg/L		108	60 - 140
2-Butanone	0.250	0.2113		mg/L		85	60 - 140
Carbon tetrachloride	0.0500	0.04804		mg/L		96	70 - 130
Chlorobenzene	0.0500	0.04898		mg/L		98	65 - 135
Chloroethane	0.0500	0.05421		mg/L		108	60 - 140
Chloroform	0.0500	0.04495		mg/L		90	70 - 121
Chloromethane	0.0500	0.05316		mg/L		106	60 - 140
2-Chlorotoluene	0.0500	0.04752		mg/L		95	73 - 125
4-Chlorotoluene	0.0500	0.04805		mg/L		96	74 - 125
cis-1,2-Dichloroethene	0.0500	0.04233		mg/L		85	75 - 125
cis-1,3-Dichloropropene	0.0500	0.04694		mg/L		94	74 - 125
Dibromochloromethane	0.0500	0.05260		mg/L		105	73 - 125
1,2-Dibromo-3-Chloropropane	0.0500	0.05214		mg/L		104	59 - 125
1,2-Dibromoethane	0.0500	0.04953		mg/L		99	73 - 125
1,2-Dichlorobenzene	0.0500	0.05021		mg/L		100	75 - 125
1,3-Dichlorobenzene	0.0500	0.05020		mg/L		100	75 - 125
1,4-Dichlorobenzene	0.0500	0.04924		mg/L		98	75 - 125
Dichlorodifluoromethane	0.0500	0.05898		mg/L		118	70 - 130

QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 860-85908/3
Matrix: Water
Analysis Batch: 85908

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	0.04607		mg/L		92	70 - 130
1,2-Dichloroethane	0.0500	0.04804		mg/L		96	72 - 130
1,1-Dichloroethene	0.0500	0.04779		mg/L		96	50 - 150
1,2-Dichloropropane	0.0500	0.04282		mg/L		86	74 - 125
1,3-Dichloropropane	0.0500	0.04544		mg/L		91	75 - 125
2,2-Dichloropropane	0.0500	0.04624		mg/L		92	75 - 125
1,1-Dichloropropene	0.0500	0.04250		mg/L		85	75 - 125
Ethylbenzene	0.0500	0.04769		mg/L		95	75 - 125
Hexachlorobutadiene	0.0500	0.05246		mg/L		105	75 - 125
Isopropylbenzene	0.0500	0.05055		mg/L		101	75 - 125
Methylene Chloride	0.0500	0.04567		mg/L		91	75 - 125
m,p-Xylenes	0.0500	0.04878		mg/L		98	75 - 125
MTBE	0.0500	0.04713		mg/L		94	65 - 135
Naphthalene	0.0500	0.04811		mg/L		96	70 - 130
n-Butylbenzene	0.0500	0.04805		mg/L		96	75 - 125
N-Propylbenzene	0.0500	0.04795		mg/L		96	75 - 125
o-Xylene	0.0500	0.04908		mg/L		98	75 - 125
p-Cymene (p-Isopropyltoluene)	0.0500	0.05104		mg/L		102	75 - 125
sec-Butylbenzene	0.0500	0.04919		mg/L		98	75 - 125
Styrene	0.0500	0.05006		mg/L		100	75 - 125
tert-Butylbenzene	0.0500	0.05037		mg/L		101	75 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.05276		mg/L		106	72 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.04459		mg/L		89	74 - 125
Tetrachloroethene	0.0500	0.05237		mg/L		105	71 - 125
Toluene	0.0500	0.04643		mg/L		93	70 - 130
trans-1,2-Dichloroethene	0.0500	0.04865		mg/L		97	75 - 125
trans-1,3-Dichloropropene	0.0500	0.04841		mg/L		97	66 - 125
1,2,3-Trichlorobenzene	0.0500	0.05137		mg/L		103	75 - 137
1,2,4-Trichlorobenzene	0.0500	0.04977		mg/L		100	75 - 135
1,1,1-Trichloroethane	0.0500	0.04688		mg/L		94	70 - 130
1,1,2-Trichloroethane	0.0500	0.04689		mg/L		94	70 - 130
Trichloroethene	0.0500	0.05010		mg/L		100	75 - 135
Trichlorofluoromethane	0.0500	0.06744		mg/L		135	60 - 140
1,2,3-Trichloropropane	0.0500	0.04628		mg/L		93	75 - 125
1,2,4-Trimethylbenzene	0.0500	0.05064		mg/L		101	75 - 125
1,3,5-Trimethylbenzene	0.0500	0.05048		mg/L		101	60 - 140
Vinyl chloride	0.0500	0.05252		mg/L		105	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 144*
Toluene-d8 (Surr)	*99*		*80 - 117*

QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-85908/4
Matrix: Water
Analysis Batch: 85908

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	0.04304		mg/L		86	75 - 125	5	25
Bromobenzene			0.0500	0.04655		mg/L		93	75 - 125	7	25
Bromochloromethane			0.0500	0.04591		mg/L		92	60 - 140	0	25
Bromodichloromethane			0.0500	0.04657		mg/L		93	75 - 125	3	25
Bromoform			0.0500	0.05192		mg/L		104	70 - 130	5	25
Bromomethane			0.0500	0.05548		mg/L		111	60 - 140	3	25
2-Butanone			0.250	0.2034		mg/L		81	60 - 140	4	25
Carbon tetrachloride			0.0500	0.04899		mg/L		98	70 - 130	2	25
Chlorobenzene			0.0500	0.04560		mg/L		91	65 - 135	7	25
Chloroethane			0.0500	0.05542		mg/L		111	60 - 140	2	25
Chloroform			0.0500	0.04470		mg/L		89	70 - 121	1	25
Chloromethane			0.0500	0.05231		mg/L		105	60 - 140	2	25
2-Chlorotoluene			0.0500	0.04457		mg/L		89	73 - 125	6	25
4-Chlorotoluene			0.0500	0.04519		mg/L		90	74 - 125	6	25
cis-1,2-Dichloroethene			0.0500	0.04108		mg/L		82	75 - 125	3	25
cis-1,3-Dichloropropene			0.0500	0.04491		mg/L		90	74 - 125	4	25
Dibromochloromethane			0.0500	0.04929		mg/L		99	73 - 125	7	25
1,2-Dibromo-3-Chloropropane			0.0500	0.05283		mg/L		106	59 - 125	1	25
1,2-Dibromoethane			0.0500	0.04625		mg/L		92	73 - 125	7	25
1,2-Dichlorobenzene			0.0500	0.04626		mg/L		93	75 - 125	8	25
1,3-Dichlorobenzene			0.0500	0.04656		mg/L		93	75 - 125	8	25
1,4-Dichlorobenzene			0.0500	0.04605		mg/L		92	75 - 125	7	25
Dichlorodifluoromethane			0.0500	0.06037		mg/L		121	70 - 130	2	25
1,1-Dichloroethane			0.0500	0.04558		mg/L		91	70 - 130	1	25
1,2-Dichloroethane			0.0500	0.04450		mg/L		89	72 - 130	8	25
1,1-Dichloroethene			0.0500	0.04723		mg/L		94	50 - 150	1	25
1,2-Dichloropropane			0.0500	0.04146		mg/L		83	74 - 125	3	25
1,3-Dichloropropane			0.0500	0.04255		mg/L		85	75 - 125	7	25
2,2-Dichloropropane			0.0500	0.04671		mg/L		93	75 - 125	1	25
1,1-Dichloropropene			0.0500	0.04381		mg/L		88	75 - 125	3	25
Ethylbenzene			0.0500	0.04576		mg/L		92	75 - 125	4	25
Hexachlorobutadiene			0.0500	0.05171		mg/L		103	75 - 125	1	25
Isopropylbenzene			0.0500	0.04930		mg/L		99	75 - 125	3	25
Methylene Chloride			0.0500	0.04433		mg/L		89	75 - 125	3	25
m,p-Xylenes			0.0500	0.04684		mg/L		94	75 - 125	4	25
MTBE			0.0500	0.04727		mg/L		95	65 - 135	0	25
Naphthalene			0.0500	0.05151		mg/L		103	70 - 130	7	25
n-Butylbenzene			0.0500	0.04623		mg/L		92	75 - 125	4	25
N-Propylbenzene			0.0500	0.04563		mg/L		91	75 - 125	5	25
o-Xylene			0.0500	0.04618		mg/L		92	75 - 125	6	25
p-Cymene (p-Isopropyltoluene)			0.0500	0.04923		mg/L		98	75 - 125	4	25
sec-Butylbenzene			0.0500	0.04825		mg/L		96	75 - 125	2	25
Styrene			0.0500	0.04772		mg/L		95	75 - 125	5	25
tert-Butylbenzene			0.0500	0.04870		mg/L		97	75 - 125	3	25
1,1,1,2-Tetrachloroethane			0.0500	0.04966		mg/L		99	72 - 125	6	25
1,1,2,2-Tetrachloroethane			0.0500	0.04084		mg/L		82	74 - 125	9	25
Tetrachloroethene			0.0500	0.05095		mg/L		102	71 - 125	3	25
Toluene			0.0500	0.04473		mg/L		89	70 - 130	4	25

QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-85908/4
Matrix: Water
Analysis Batch: 85908

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	0.04757		mg/L		95	75 - 125	2	25
trans-1,3-Dichloropropene			0.0500	0.04457		mg/L		89	66 - 125	8	25
1,2,3-Trichlorobenzene			0.0500	0.05194		mg/L		104	75 - 137	1	25
1,2,4-Trichlorobenzene			0.0500	0.04925		mg/L		98	75 - 135	1	25
1,1,1-Trichloroethane			0.0500	0.04689		mg/L		94	70 - 130	0	25
1,1,2-Trichloroethane			0.0500	0.04323		mg/L		86	70 - 130	8	25
Trichloroethene			0.0500	0.04884		mg/L		98	75 - 135	3	25
Trichlorofluoromethane			0.0500	0.06801		mg/L		136	60 - 140	1	25
1,2,3-Trichloropropane			0.0500	0.04006		mg/L		80	75 - 125	14	25
1,2,4-Trimethylbenzene			0.0500	0.04784		mg/L		96	75 - 125	6	25
1,3,5-Trimethylbenzene			0.0500	0.04805		mg/L		96	60 - 140	5	25
Vinyl chloride			0.0500	0.05253		mg/L		105	60 - 140	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 144*
Toluene-d8 (Surr)	*100*		*80 - 117*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-85855/3
Matrix: Water
Analysis Batch: 85855

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			01/14/23 17:26	1
Chloride	<0.200	U	0.500	0.200	mg/L			01/14/23 17:26	1
Fluoride	<0.100	U	0.500	0.100	mg/L			01/14/23 17:26	1
Sulfate	<0.109	U	0.500	0.109	mg/L			01/14/23 17:26	1

Lab Sample ID: LCS 860-85855/4
Matrix: Water
Analysis Batch: 85855

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	9.219		mg/L		92	90 - 110
Chloride			10.0	9.352		mg/L		94	90 - 110
Fluoride			10.0	9.439		mg/L		94	90 - 110
Sulfate			10.0	9.277		mg/L		93	90 - 110

Lab Sample ID: LCSD 860-85855/5
Matrix: Water
Analysis Batch: 85855

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	9.287		mg/L		93	90 - 110	1	20
Chloride			10.0	9.405		mg/L		94	90 - 110	1	20
Fluoride			10.0	9.499		mg/L		95	90 - 110	1	20

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QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-85855/5
Matrix: Water
Analysis Batch: 85855

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	9.251		mg/L		93	90 - 110	0	20

Lab Sample ID: LLCS 860-85855/7
Matrix: Water
Analysis Batch: 85855

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.500	0.5691		mg/L		114	50 - 150
Chloride	0.500	0.5315		mg/L		106	50 - 150
Fluoride	0.500	0.4597	J	mg/L		92	50 - 150
Sulfate	0.500	0.6220		mg/L		124	50 - 150

Lab Sample ID: MB 860-85856/3
Matrix: Water
Analysis Batch: 85856

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			01/14/23 17:26	1
Nitrite as N	0.03641	J	0.100	0.0293	mg/L			01/14/23 17:26	1

Lab Sample ID: LCS 860-85856/4
Matrix: Water
Analysis Batch: 85856

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	9.253		mg/L		93	80 - 120
Nitrite as N	10.0	9.038		mg/L		90	80 - 120

Lab Sample ID: LCSD 860-85856/5
Matrix: Water
Analysis Batch: 85856

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	9.319		mg/L		93	80 - 120	1	20
Nitrite as N	10.0	9.113		mg/L		91	80 - 120	1	20

Lab Sample ID: LLCS 860-85856/6
Matrix: Water
Analysis Batch: 85856

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.100	0.1147		mg/L		115	50 - 150
Nitrite as N	0.100	0.09238	J	mg/L		92	50 - 150

Lab Sample ID: MB 860-85995/3
Matrix: Water
Analysis Batch: 85995

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			01/16/23 15:05	1

QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-85995/3
Matrix: Water
Analysis Batch: 85995

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			01/16/23 15:05	1
Fluoride	<0.100	U	0.500	0.100	mg/L			01/16/23 15:05	1
Sulfate	<0.109	U	0.500	0.109	mg/L			01/16/23 15:05	1

Lab Sample ID: MB 860-85995/46
Matrix: Water
Analysis Batch: 85995

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			01/17/23 02:50	1
Chloride	<0.200	U	0.500	0.200	mg/L			01/17/23 02:50	1
Fluoride	<0.100	U	0.500	0.100	mg/L			01/17/23 02:50	1
Sulfate	<0.109	U	0.500	0.109	mg/L			01/17/23 02:50	1

Lab Sample ID: LCS 860-85995/4
Matrix: Water
Analysis Batch: 85995

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	9.395		mg/L		94	90 - 110
Chloride	10.0	9.513		mg/L		95	90 - 110
Fluoride	10.0	9.576		mg/L		96	90 - 110
Sulfate	10.0	9.277		mg/L		93	90 - 110

Lab Sample ID: LCS 860-85995/47
Matrix: Water
Analysis Batch: 85995

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	9.631		mg/L		96	90 - 110
Chloride	10.0	9.707		mg/L		97	90 - 110
Fluoride	10.0	9.805		mg/L		98	90 - 110
Sulfate	10.0	9.503		mg/L		95	90 - 110

Lab Sample ID: LCSD 860-85995/48
Matrix: Water
Analysis Batch: 85995

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	9.632		mg/L		96	90 - 110	0	20
Chloride	10.0	9.709		mg/L		97	90 - 110	0	20
Fluoride	10.0	9.789		mg/L		98	90 - 110	0	20
Sulfate	10.0	9.502		mg/L		95	90 - 110	0	20

Lab Sample ID: LCSD 860-85995/5
Matrix: Water
Analysis Batch: 85995

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	9.387		mg/L		94	90 - 110	0	20

QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-85995/5
Matrix: Water
Analysis Batch: 85995

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.526		mg/L		95	90 - 110	0	20
Fluoride	10.0	9.590		mg/L		96	90 - 110	0	20
Sulfate	10.0	9.297		mg/L		93	90 - 110	0	20

Lab Sample ID: LLCS 860-85995/7
Matrix: Water
Analysis Batch: 85995

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.500	0.5551		mg/L		111	50 - 150
Chloride	0.500	0.5080		mg/L		102	50 - 150
Fluoride	0.500	0.4530	J	mg/L		91	50 - 150
Sulfate	0.500	0.5403		mg/L		108	50 - 150

Lab Sample ID: MB 860-85996/3
Matrix: Water
Analysis Batch: 85996

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			01/16/23 15:05	1
Nitrite as N	<0.0293	U	0.100	0.0293	mg/L			01/16/23 15:05	1

Lab Sample ID: MB 860-85996/46
Matrix: Water
Analysis Batch: 85996

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			01/17/23 02:50	1
Nitrite as N	<0.0293	U	0.100	0.0293	mg/L			01/17/23 02:50	1

Lab Sample ID: LCS 860-85996/4
Matrix: Water
Analysis Batch: 85996

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	9.344		mg/L		93	80 - 120
Nitrite as N	10.0	9.178		mg/L		92	80 - 120

Lab Sample ID: LCS 860-85996/47
Matrix: Water
Analysis Batch: 85996

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	9.512		mg/L		95	80 - 120
Nitrite as N	10.0	9.350		mg/L		94	80 - 120

QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-85996/48
Matrix: Water
Analysis Batch: 85996

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	9.507		mg/L		95	80 - 120	0	20
Nitrite as N			10.0	9.355		mg/L		94	80 - 120	0	20

Lab Sample ID: LCSD 860-85996/5
Matrix: Water
Analysis Batch: 85996

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	9.346		mg/L		93	80 - 120	0	20
Nitrite as N			10.0	9.204		mg/L		92	80 - 120	0	20

Lab Sample ID: LLCS 860-85996/6
Matrix: Water
Analysis Batch: 85996

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N			0.100	0.1058		mg/L		106	50 - 150
Nitrite as N			0.100	0.08385	J	mg/L		84	50 - 150

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-85967/1-A
Matrix: Water
Analysis Batch: 86186

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 85967

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.115	U	0.200	0.115	mg/L		01/16/23 11:30	01/17/23 11:54	1
Magnesium	<0.0428	U	0.200	0.0428	mg/L		01/16/23 11:30	01/17/23 11:54	1
Potassium	<0.0914	U	0.500	0.0914	mg/L		01/16/23 11:30	01/17/23 11:54	1
Sodium	<0.152	U	0.500	0.152	mg/L		01/16/23 11:30	01/17/23 11:54	1
SiO2	<0.471	U	1.07	0.471	mg/L		01/16/23 11:30	01/17/23 11:54	1

Lab Sample ID: LCS 860-85967/2-A
Matrix: Water
Analysis Batch: 86186

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 85967

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium			25.0	24.90		mg/L		100	85 - 115
Magnesium			25.0	24.60		mg/L		98	85 - 115
Potassium			10.0	10.00		mg/L		100	85 - 115
Sodium			25.0	24.70		mg/L		99	85 - 115
SiO2			21.4	21.61		mg/L		101	85 - 115

Lab Sample ID: LCSD 860-85967/3-A
Matrix: Water
Analysis Batch: 86186

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 85967

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			25.0	25.10		mg/L		100	85 - 115	1	20
Magnesium			25.0	24.70		mg/L		99	85 - 115	0	20

QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-85967/3-A
Matrix: Water
Analysis Batch: 86186

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 85967

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium	10.0	10.10		mg/L		101	85 - 115	1	20
Sodium	25.0	25.00		mg/L		100	85 - 115	1	20
SiO2	21.4	21.83		mg/L		102	85 - 115	1	20

Lab Sample ID: LLCS 860-85967/4-A
Matrix: Water
Analysis Batch: 86186

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 85967

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.200	0.2180		mg/L		109	50 - 150
Magnesium	0.200	0.1980	J	mg/L		99	50 - 150
Potassium	0.500	0.5780		mg/L		116	50 - 150
Sodium	0.500	0.4530	J	mg/L		91	50 - 150
SiO2	1.07	1.173		mg/L		110	50 - 150

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-86233/3
Matrix: Water
Analysis Batch: 86233

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			01/17/23 12:30	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/17/23 12:30	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/17/23 12:30	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			01/17/23 12:30	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			01/17/23 12:30	1

Lab Sample ID: LCS 860-86233/4
Matrix: Water
Analysis Batch: 86233

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	251.5		mg/L		101	85 - 115

Lab Sample ID: LCSD 860-86233/5
Matrix: Water
Analysis Batch: 86233

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	254.6		mg/L		102	85 - 115	1	20

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

Lab Sample ID: MB 860-86056/1
Matrix: Water
Analysis Batch: 86056

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			01/16/23 20:00	1

QC Sample Results

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

Job ID: 880-23692-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 860-86056/2
Matrix: Water
Analysis Batch: 86056

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	1003		mg/L		100	80 - 120

Lab Sample ID: LCSD 860-86056/3
Matrix: Water
Analysis Batch: 86056

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	1005		mg/L		101	80 - 120	0	10

Lab Sample ID: LLCS 860-86056/4
Matrix: Water
Analysis Batch: 86056

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	5.00	<5.00	U	mg/L		80	50 - 150

QC Association Summary

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

Job ID: 880-23692-1
SDG: Hobbs NM

GC/MS VOA

Analysis Batch: 85908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total/NA	Water	8260C	
MB 860-85908/9	Method Blank	Total/NA	Water	8260C	
LCS 860-85908/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-85908/4	Lab Control Sample Dup	Total/NA	Water	8260C	

HPLC/IC

Analysis Batch: 85855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total/NA	Water	300.0	
MB 860-85855/3	Method Blank	Total/NA	Water	300.0	
LCS 860-85855/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-85855/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-85855/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 85856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total/NA	Water	300.0	
MB 860-85856/3	Method Blank	Total/NA	Water	300.0	
LCS 860-85856/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-85856/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-85856/6	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 85995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-85995/3	Method Blank	Total/NA	Water	300.0	
MB 860-85995/46	Method Blank	Total/NA	Water	300.0	
LCS 860-85995/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 860-85995/47	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-85995/48	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 860-85995/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-85995/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 85996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total/NA	Water	300.0	
MB 860-85996/3	Method Blank	Total/NA	Water	300.0	
MB 860-85996/46	Method Blank	Total/NA	Water	300.0	
LCS 860-85996/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 860-85996/47	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-85996/48	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 860-85996/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-85996/6	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 85967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total Recoverable	Water	200.7	
MB 860-85967/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-85967/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-85967/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	

QC Association Summary

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

Job ID: 880-23692-1
SDG: Hobbs NM

Metals (Continued)

Prep Batch: 85967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 860-85967/4-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 86186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total Recoverable	Water	200.7 Rev 4.4	85967
880-23692-1	Levey Well	Total Recoverable	Water	200.7 Rev 4.4	85967
MB 860-85967/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	85967
LCS 860-85967/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	85967
LCSD 860-85967/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	85967
LLCS 860-85967/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	85967

General Chemistry

Analysis Batch: 86056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total/NA	Water	SM 2540C	
MB 860-86056/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-86056/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-86056/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
LLCS 860-86056/4	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 86170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total/NA	Water	SM 1030E	

Analysis Batch: 86175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 86233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23692-1	Levey Well	Total/NA	Water	SM 2320B	
MB 860-86233/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-86233/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-86233/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Lab Chronicle

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

Job ID: 880-23692-1
SDG: Hobbs NM

Client Sample ID: Levey Well

Date Collected: 01/13/23 10:40
Date Received: 01/13/23 16:38

Lab Sample ID: 880-23692-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	85908	AN	EET HOU	01/16/23 19:11
Total/NA	Analysis	300.0		1	85855	RBNS	EET HOU	01/14/23 20:53
Total/NA	Analysis	300.0		1	85856	RBNS	EET HOU	01/14/23 20:53
Total/NA	Analysis	300.0		1	85996	RBNS	EET HOU	01/17/23 04:22
Total Recoverable	Prep	200.7			85967	MD	EET HOU	01/16/23 11:30
Total Recoverable	Analysis	200.7 Rev 4.4		1	86186	JDM	EET HOU	01/17/23 12:33
Total Recoverable	Prep	200.7			85967	MD	EET HOU	01/16/23 11:30
Total Recoverable	Analysis	200.7 Rev 4.4		50	86186	JDM	EET HOU	01/17/23 13:05
Total/NA	Analysis	SM 1030E		1	86170	AA	EET HOU	01/17/23 13:23
Total/NA	Analysis	SM 2320B		1	86233	TL	EET HOU	01/17/23 15:39
Total/NA	Analysis	SM 2540C		1	86056	HN	EET HOU	01/16/23 20:00
Total/NA	Analysis	SM 4500 H+ B		1	86175	TL	EET HOU	01/17/23 13:08

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 880-23692-1
SDG: Hobbs NM

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-22-48	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4	200.7	Water	SiO2
SM 1030E		Water	Anion/Cation Balance
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity
SM 2320B		Water	Phenolphthalein Alkalinity
SM 4500 H+ B		Water	Temperature

Method Summary

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

Job ID: 880-23692-1
SDG: Hobbs NM

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

Protocol References:

EPA = US Environmental Protection Agency

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:

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

Sample Summary

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

Job ID: 880-23692-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23692-1	Levey Well	Water	01/13/23 10:40	01/13/23 16:38

Chain of Custody

XENCO LABORATORIES

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)

Work Order No: 23692

www.xenco.com Page 1 of 1

1/19/2023

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	Levey Well Hobbs NM	Turn Around	
Project Number:	03B1417001	Routine ☐	
P.O. Number:	03B1417001	Rush 24 hr	
Sampler's Name:	Shane Diller	Due Date	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.2 | 2.9	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.30
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	VOCs	Anions: F, Cl, SO4, B	Cations: Ca, K, Mg, Na, Si	pH	Alkalinity	TDS	Sample Comments
Levey Well	GW	1-13 23	1040	-	7	X	X	X	X	X	X	24hr

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4 30pm

880-23692 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 Tl 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 Tl 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		1/13/23 1638	2		
3			4		
5			6		

Revised Date 051418 Rev 2018 1

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

Chain of Custody Record

880-23692 Chain of Custody

Eurofins Environment Testing

lo: 130.1

1/19/2023

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	
Client Contact: Shipping/Receiving	Phone:	E-Mai: Jessica.Kramer@et.eurofinsus.com	New Mexico
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas	Page 1 of 1
Address: 4145 Greenbriar Dr	Due Date Requested: 1/17/2023		Job #: 880-23692-1
City: Stafford	TAT Requested (days):		
State, Zip: TX, 77477			
Phone: 281-240-4200(Tel)	PO #:		
Email:	WO #:		
Project Name: Levey Well Hobbs, NM 03B1417001	Project #: 88000024		
Site:	SSOW#:		

Analysis Requested

Preservation Codes.

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C (MOD) Full List VOCs	200.7/200.7_P_TR (MOD) Custom List	300_ORGFM_28D/ Br Cl, F, SO4	300_ORGFMS/ NO2, NO3	SM4500_H+/ pH	2540C_Calcd/ TDS	2320B/ Alkalinity	Cation_Anion/ (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
Levey Well (880-23692-1)	1/13/23	10:40 Mountain		Water			X	X	X	X	X	X	X	X	7	

Temp. C/F +0.3 1.5 IR ID HOU-343
Corrected Temp: 1.8

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification Unconfirmed	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested. I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/14/23 8:19 Company: Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-23692-1
SDG Number: Hobbs NM

Login Number: 23692
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins 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)	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: 880-23692-1
SDG Number: Hobbs NM

Login Number: 23692
List Number: 2
Creator: Torres, Sandra

List Source: Eurofins Houston
List Creation: 01/14/23 11:19 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	1.8
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/30/2023 8:32:51 AM

JOB DESCRIPTION

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

JOB NUMBER

880-23931-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

Authorization

Generated
1/30/2023 8:32:51 AM

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

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

Laboratory Job ID: 880-23931-1
SDG: Hobbs NM

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 880-23931-1
Project/Site: Levey Well Hobbs, NM - 03B1417001 SDG: Hobbs NM

Qualifiers

GC/MS VOA

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

HPLC/IC

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

Metals

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

General Chemistry

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

Glossary

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

Definitions/Glossary

Client: Ensolum Job ID: 880-23931-1
Project/Site: Levey Well Hobbs, NM - 03B1417001 SDG: Hobbs NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 880-23931-1
SDG: Hobbs NM

Job ID: 880-23931-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-23931-1

Receipt
The sample was received on 1/19/2023 3:36 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

GC/MS VOA
Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 860-86883 recovered outside control limits for the following analytes: Naphthalene and 1,2,3-Trichlorobenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The matrix spike (MS) recoveries for analytical batch 860-86883 were outside control limits. Non-homogeneity 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.

HPLC/IC
Method 300_ORGFM_28D: The method blank for analytical batch 860-86693 contained Sulfate 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 300_ORGFM_28D: The method blank for analytical batch 860-86693 contained Chloride 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 300_ORGFM_28D: The method blank for analytical batch 860-86693 contained Chloride above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 300_ORGFMS: The method blank for analytical batch 860-86694 contained Nitrite as N 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 300_ORGFMS: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-86694 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

Method 300_ORGFMS: The method blank for preparation batch 860-86694 contained Nitrite as N above the method detection limit (MDL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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 and Sodium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 860-86956 and analytical batch 860-87098 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

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

Case Narrative

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

Job ID: 880-23931-1
SDG: Hobbs NM

Job ID: 880-23931-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Client Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

Client Sample ID: Levey Well

Date Collected: 01/19/23 12:10
Date Received: 01/19/23 15:36

Lab Sample ID: 880-23931-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00418**		0.00100	0.000533	mg/L			01/23/23 13:27	1
Bromobenzene	<0.000665	U	0.00100	0.000665	mg/L			01/23/23 13:27	1
Bromochloromethane	<0.000657	U	0.00100	0.000657	mg/L			01/23/23 13:27	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			01/23/23 13:27	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			01/23/23 13:27	1
Bromomethane	<0.00142	U *- *1	0.00500	0.00142	mg/L			01/23/23 13:27	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			01/23/23 13:27	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			01/23/23 13:27	1
Chlorobenzene	<0.000530	U	0.00100	0.000530	mg/L			01/23/23 13:27	1
Chloroethane	<0.00198	U *- *1	0.0100	0.00198	mg/L			01/23/23 13:27	1
Chloroform	<0.000643	U	0.00100	0.000643	mg/L			01/23/23 13:27	1
Chloromethane	<0.00204	U *- *1	0.0100	0.00204	mg/L			01/23/23 13:27	1
2-Chlorotoluene	<0.00118	U	0.00200	0.00118	mg/L			01/23/23 13:27	1
4-Chlorotoluene	<0.000472	U	0.00100	0.000472	mg/L			01/23/23 13:27	1
cis-1,2-Dichloroethene	<0.000714	U	0.00100	0.000714	mg/L			01/23/23 13:27	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			01/23/23 13:27	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			01/23/23 13:27	1
1,2-Dibromo-3-Chloropropane	<0.00127	U	0.00500	0.00127	mg/L			01/23/23 13:27	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			01/23/23 13:27	1
1,2-Dichlorobenzene	<0.000509	U	0.00100	0.000509	mg/L			01/23/23 13:27	1
1,3-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/23/23 13:27	1
1,4-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/23/23 13:27	1
Dichlorodifluoromethane	<0.000919	U *- *1	0.00100	0.000919	mg/L			01/23/23 13:27	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			01/23/23 13:27	1
1,2-Dichloroethane	<0.000590	U	0.00100	0.000590	mg/L			01/23/23 13:27	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			01/23/23 13:27	1
1,2-Dichloropropane	<0.000667	U	0.00500	0.000667	mg/L			01/23/23 13:27	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			01/23/23 13:27	1
2,2-Dichloropropane	<0.000780	U	0.00500	0.000780	mg/L			01/23/23 13:27	1
1,1-Dichloropropene	<0.00160	U	0.00500	0.00160	mg/L			01/23/23 13:27	1
Ethylbenzene	**0.0146**		0.00100	0.000411	mg/L			01/23/23 13:27	1
Hexachlorobutadiene	<0.00126	U	0.00500	0.00126	mg/L			01/23/23 13:27	1
Isopropylbenzene	**0.00684**		0.00100	0.000613	mg/L			01/23/23 13:27	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			01/23/23 13:27	1
m,p-Xylenes	**0.0602**		0.0100	0.00124	mg/L			01/23/23 13:27	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			01/23/23 13:27	1
Naphthalene	<0.00135	U *+	0.0100	0.00135	mg/L			01/23/23 13:27	1
n-Butylbenzene	<0.000644	U	0.00100	0.000644	mg/L			01/23/23 13:27	1
N-Propylbenzene	**0.00313**		0.00100	0.000498	mg/L			01/23/23 13:27	1
o-Xylene	**0.00899**		0.00100	0.000551	mg/L			01/23/23 13:27	1
p-Cymene (p-Isopropyltoluene)	<0.000919	U	0.00100	0.000919	mg/L			01/23/23 13:27	1
sec-Butylbenzene	**0.00135**		0.00100	0.000468	mg/L			01/23/23 13:27	1
Styrene	<0.000655	U	0.00100	0.000655	mg/L			01/23/23 13:27	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			01/23/23 13:27	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			01/23/23 13:27	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			01/23/23 13:27	1
Tetrachloroethene	<0.000801	U	0.00100	0.000801	mg/L			01/23/23 13:27	1
Toluene	**0.0357**		0.00100	0.000475	mg/L			01/23/23 13:27	1
trans-1,2-Dichloroethene	<0.000945	U	0.00100	0.000945	mg/L			01/23/23 13:27	1

Client Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

Client Sample ID: Levey Well

Date Collected: 01/19/23 12:10
Date Received: 01/19/23 15:36

Lab Sample ID: 880-23931-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			01/23/23 13:27	1
1,2,3-Trichlorobenzene	<0.00217	U *+	0.00500	0.00217	mg/L			01/23/23 13:27	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			01/23/23 13:27	1
1,1,1-Trichloroethane	<0.00169	U	0.00500	0.00169	mg/L			01/23/23 13:27	1
1,1,2-Trichloroethane	<0.000511	U	0.00100	0.000511	mg/L			01/23/23 13:27	1
Trichloroethene	<0.000791	U	0.00500	0.000791	mg/L			01/23/23 13:27	1
Trichlorofluoromethane	<0.000638	U *- *1	0.00100	0.000638	mg/L			01/23/23 13:27	1
1,2,3-Trichloropropane	<0.000490	U	0.00100	0.000490	mg/L			01/23/23 13:27	1
1,2,4-Trimethylbenzene	**0.0114**		0.00100	0.000417	mg/L			01/23/23 13:27	1
1,3,5-Trimethylbenzene	**0.00396**		0.00100	0.000456	mg/L			01/23/23 13:27	1
Vinyl chloride	<0.000638	U *- *1	0.00200	0.000638	mg/L			01/23/23 13:27	1
Xylenes, Total	**0.0692**		0.0100	0.00124	mg/L			01/23/23 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*01/23/23 13:27*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 131*		*01/23/23 13:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 144*		*01/23/23 13:27*	*1*
Toluene-d8 (Surr)	*106*		*80 - 117*		*01/23/23 13:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.658**		0.500	0.0711	mg/L			01/20/23 23:22	1
Nitrate as N	**0.109**		0.100	0.0391	mg/L			01/20/23 23:22	1
Chloride	**304**	**B**	0.500	0.200	mg/L			01/20/23 23:22	1
Nitrite as N	<0.0293	U	0.100	0.0293	mg/L			01/20/23 23:22	1
Fluoride	**0.191**	**J**	0.500	0.100	mg/L			01/20/23 23:22	1
Sulfate	**53.7**		0.500	0.109	mg/L			01/20/23 23:22	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**450**		10.0	5.76	mg/L		01/23/23 11:00	01/23/23 19:25	50
Magnesium	**84.0**		10.0	2.14	mg/L		01/23/23 11:00	01/23/23 19:25	50
Potassium	**7.71**		0.500	0.0914	mg/L		01/23/23 11:00	01/23/23 18:57	1
Sodium	**133**		0.500	0.152	mg/L		01/23/23 11:00	01/23/23 18:57	1
SiO2	**76.6**		1.07	0.471	mg/L		01/23/23 11:00	01/23/23 18:57	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Anion/Cation Balance (SM 1030E)	**0.441**				%			01/30/23 09:17	1
Alkalinity (SM 2320B)	**1140**		4.00	4.00	mg/L			01/21/23 15:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1140**		4.00	4.00	mg/L			01/21/23 15:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/21/23 15:52	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/21/23 15:52	1
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/21/23 15:52	1
Total Dissolved Solids (SM 2540C)	**1730**		20.0	20.0	mg/L			01/20/23 15:00	1
pH (SM 4500 H+ B)	**6.3**	**HF**			SU			01/20/23 17:16	1
Temperature (SM 4500 H+ B)	**15.7**	**HF**			Degrees C			01/20/23 17:16	1

Surrogate Summary

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

Job ID: 880-23931-1
SDG: Hobbs NM

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(74-124)	(75-131)	(63-144)	(80-117)
880-23931-1	Levey Well	98	96	95	106
LCS 860-86883/1010	Lab Control Sample	98	100	94	101
LCSD 860-86883/11	Lab Control Sample Dup	102	102	93	102
MB 860-86883/17	Method Blank	101	97	97	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

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

Lab Sample ID: MB 860-86883/17
Matrix: Water
Analysis Batch: 86883

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000533	U	0.00100	0.000533	mg/L			01/23/23 12:46	1
Bromobenzene	<0.000665	U	0.00100	0.000665	mg/L			01/23/23 12:46	1
Bromochloromethane	<0.000657	U	0.00100	0.000657	mg/L			01/23/23 12:46	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			01/23/23 12:46	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			01/23/23 12:46	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			01/23/23 12:46	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			01/23/23 12:46	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			01/23/23 12:46	1
Chlorobenzene	<0.000530	U	0.00100	0.000530	mg/L			01/23/23 12:46	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			01/23/23 12:46	1
Chloroform	<0.000643	U	0.00100	0.000643	mg/L			01/23/23 12:46	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			01/23/23 12:46	1
2-Chlorotoluene	<0.00118	U	0.00200	0.00118	mg/L			01/23/23 12:46	1
4-Chlorotoluene	<0.000472	U	0.00100	0.000472	mg/L			01/23/23 12:46	1
cis-1,2-Dichloroethene	<0.000714	U	0.00100	0.000714	mg/L			01/23/23 12:46	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			01/23/23 12:46	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			01/23/23 12:46	1
1,2-Dibromo-3-Chloropropane	<0.00127	U	0.00500	0.00127	mg/L			01/23/23 12:46	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			01/23/23 12:46	1
1,2-Dichlorobenzene	<0.000509	U	0.00100	0.000509	mg/L			01/23/23 12:46	1
1,3-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/23/23 12:46	1
1,4-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/23/23 12:46	1
Dichlorodifluoromethane	<0.000919	U	0.00100	0.000919	mg/L			01/23/23 12:46	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			01/23/23 12:46	1
1,2-Dichloroethane	<0.000590	U	0.00100	0.000590	mg/L			01/23/23 12:46	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			01/23/23 12:46	1
1,2-Dichloropropane	<0.000667	U	0.00500	0.000667	mg/L			01/23/23 12:46	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			01/23/23 12:46	1
2,2-Dichloropropane	<0.000780	U	0.00500	0.000780	mg/L			01/23/23 12:46	1
1,1-Dichloropropene	<0.00160	U	0.00500	0.00160	mg/L			01/23/23 12:46	1
Ethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			01/23/23 12:46	1
Hexachlorobutadiene	<0.00126	U	0.00500	0.00126	mg/L			01/23/23 12:46	1
Isopropylbenzene	<0.000613	U	0.00100	0.000613	mg/L			01/23/23 12:46	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			01/23/23 12:46	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			01/23/23 12:46	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			01/23/23 12:46	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			01/23/23 12:46	1
n-Butylbenzene	<0.000644	U	0.00100	0.000644	mg/L			01/23/23 12:46	1
N-Propylbenzene	<0.000498	U	0.00100	0.000498	mg/L			01/23/23 12:46	1
o-Xylene	<0.000551	U	0.00100	0.000551	mg/L			01/23/23 12:46	1
p-Cymene (p-Isopropyltoluene)	<0.000919	U	0.00100	0.000919	mg/L			01/23/23 12:46	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			01/23/23 12:46	1
Styrene	<0.000655	U	0.00100	0.000655	mg/L			01/23/23 12:46	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			01/23/23 12:46	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			01/23/23 12:46	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			01/23/23 12:46	1
Tetrachloroethene	<0.000801	U	0.00100	0.000801	mg/L			01/23/23 12:46	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			01/23/23 12:46	1

QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

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

Lab Sample ID: MB 860-86883/17
Matrix: Water
Analysis Batch: 86883

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.000945	U	0.00100	0.000945	mg/L			01/23/23 12:46	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			01/23/23 12:46	1
1,2,3-Trichlorobenzene	<0.00217	U	0.00500	0.00217	mg/L			01/23/23 12:46	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			01/23/23 12:46	1
1,1,1-Trichloroethane	<0.00169	U	0.00500	0.00169	mg/L			01/23/23 12:46	1
1,1,2-Trichloroethane	<0.000511	U	0.00100	0.000511	mg/L			01/23/23 12:46	1
Trichloroethene	<0.000791	U	0.00500	0.000791	mg/L			01/23/23 12:46	1
Trichlorofluoromethane	<0.000638	U	0.00100	0.000638	mg/L			01/23/23 12:46	1
1,2,3-Trichloropropane	<0.000490	U	0.00100	0.000490	mg/L			01/23/23 12:46	1
1,2,4-Trimethylbenzene	<0.000417	U	0.00100	0.000417	mg/L			01/23/23 12:46	1
1,3,5-Trimethylbenzene	<0.000456	U	0.00100	0.000456	mg/L			01/23/23 12:46	1
Vinyl chloride	<0.000638	U	0.00200	0.000638	mg/L			01/23/23 12:46	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			01/23/23 12:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*74 - 124*		*01/23/23 12:46*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 131*		*01/23/23 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*		*01/23/23 12:46*	*1*
Toluene-d8 (Surr)	*105*		*80 - 117*		*01/23/23 12:46*	*1*

Lab Sample ID: LCS 860-86883/1010
Matrix: Water
Analysis Batch: 86883

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	0.05157		mg/L		103	75 - 125
Bromobenzene	0.0500	0.04931		mg/L		99	75 - 125
Bromochloromethane	0.0500	0.05295		mg/L		106	60 - 140
Bromodichloromethane	0.0500	0.05048		mg/L		101	75 - 125
Bromoform	0.0500	0.05122		mg/L		102	70 - 130
Bromomethane	0.0500	0.04458		mg/L		89	60 - 140
2-Butanone	0.250	0.2694		mg/L		108	60 - 140
Carbon tetrachloride	0.0500	0.04897		mg/L		98	70 - 130
Chlorobenzene	0.0500	0.05246		mg/L		105	65 - 135
Chloroethane	0.0500	0.04765		mg/L		95	60 - 140
Chloroform	0.0500	0.05165		mg/L		103	70 - 121
Chloromethane	0.0500	0.05016		mg/L		100	60 - 140
2-Chlorotoluene	0.0500	0.05077		mg/L		102	73 - 125
4-Chlorotoluene	0.0500	0.05252		mg/L		105	74 - 125
cis-1,2-Dichloroethene	0.0500	0.05275		mg/L		105	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05483		mg/L		110	74 - 125
Dibromochloromethane	0.0500	0.05232		mg/L		105	73 - 125
1,2-Dibromo-3-Chloropropane	0.0500	0.05503		mg/L		110	59 - 125
1,2-Dibromoethane	0.0500	0.05394		mg/L		108	73 - 125
1,2-Dichlorobenzene	0.0500	0.04938		mg/L		99	75 - 125
1,3-Dichlorobenzene	0.0500	0.04970		mg/L		99	75 - 125
1,4-Dichlorobenzene	0.0500	0.04970		mg/L		99	75 - 125
Dichlorodifluoromethane	0.0500	0.04638		mg/L		93	70 - 130

QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 860-86883/1010
Matrix: Water
Analysis Batch: 86883

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	0.04919		mg/L		98	70 - 130
1,2-Dichloroethane	0.0500	0.05094		mg/L		102	72 - 130
1,1-Dichloroethene	0.0500	0.04885		mg/L		98	50 - 150
1,2-Dichloropropane	0.0500	0.05375		mg/L		108	74 - 125
1,3-Dichloropropane	0.0500	0.05406		mg/L		108	75 - 125
2,2-Dichloropropane	0.0500	0.04687		mg/L		94	75 - 125
1,1-Dichloropropene	0.0500	0.05364		mg/L		107	75 - 125
Ethylbenzene	0.0500	0.05356		mg/L		107	75 - 125
Hexachlorobutadiene	0.0500	0.04950		mg/L		99	75 - 125
Isopropylbenzene	0.0500	0.05362		mg/L		107	75 - 125
Methylene Chloride	0.0500	0.04615		mg/L		92	75 - 125
m,p-Xylenes	0.0500	0.05341		mg/L		107	75 - 125
MTBE	0.0500	0.05130		mg/L		103	65 - 135
Naphthalene	0.0500	0.06378		mg/L		128	70 - 130
n-Butylbenzene	0.0500	0.05275		mg/L		105	75 - 125
N-Propylbenzene	0.0500	0.05203		mg/L		104	75 - 125
o-Xylene	0.0500	0.05312		mg/L		106	75 - 125
p-Cymene (p-Isopropyltoluene)	0.0500	0.05410		mg/L		108	75 - 125
sec-Butylbenzene	0.0500	0.05289		mg/L		106	75 - 125
Styrene	0.0500	0.05429		mg/L		109	75 - 125
tert-Butylbenzene	0.0500	0.05306		mg/L		106	75 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.04960		mg/L		99	72 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.05264		mg/L		105	74 - 125
Tetrachloroethene	0.0500	0.05156		mg/L		103	71 - 125
Toluene	0.0500	0.05262		mg/L		105	70 - 130
trans-1,2-Dichloroethene	0.0500	0.04792		mg/L		96	75 - 125
trans-1,3-Dichloropropene	0.0500	0.05570		mg/L		111	66 - 125
1,2,3-Trichlorobenzene	0.0500	0.06155		mg/L		123	75 - 137
1,2,4-Trichlorobenzene	0.0500	0.05637		mg/L		113	75 - 135
1,1,1-Trichloroethane	0.0500	0.05025		mg/L		100	70 - 130
1,1,2-Trichloroethane	0.0500	0.05453		mg/L		109	70 - 130
Trichloroethene	0.0500	0.05311		mg/L		106	75 - 135
Trichlorofluoromethane	0.0500	0.04200		mg/L		84	60 - 140
1,2,3-Trichloropropane	0.0500	0.05272		mg/L		105	75 - 125
1,2,4-Trimethylbenzene	0.0500	0.05412		mg/L		108	75 - 125
1,3,5-Trimethylbenzene	0.0500	0.05322		mg/L		106	60 - 140
Vinyl chloride	0.0500	0.04623		mg/L		92	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 144*
Toluene-d8 (Surr)	*101*		*80 - 117*

QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-86883/11
Matrix: Water
Analysis Batch: 86883

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	75 - 125	2	25
Bromobenzene			0.0500	0.05076		mg/L		102	75 - 125	3	25
Bromochloromethane			0.0500	0.05312		mg/L		106	60 - 140	0	25
Bromodichloromethane			0.0500	0.04991		mg/L		100	75 - 125	1	25
Bromoform			0.0500	0.04986		mg/L		100	70 - 130	3	25
Bromomethane			0.0500	0.04376		mg/L		88	60 - 140	2	25
2-Butanone			0.250	0.2714		mg/L		109	60 - 140	1	25
Carbon tetrachloride			0.0500	0.05035		mg/L		101	70 - 130	3	25
Chlorobenzene			0.0500	0.05121		mg/L		102	65 - 135	2	25
Chloroethane			0.0500	0.04870		mg/L		97	60 - 140	2	25
Chloroform			0.0500	0.05232		mg/L		105	70 - 121	1	25
Chloromethane			0.0500	0.05291		mg/L		106	60 - 140	5	25
2-Chlorotoluene			0.0500	0.05430		mg/L		109	73 - 125	7	25
4-Chlorotoluene			0.0500	0.05466		mg/L		109	74 - 125	4	25
cis-1,2-Dichloroethene			0.0500	0.05233		mg/L		105	75 - 125	1	25
cis-1,3-Dichloropropene			0.0500	0.05302		mg/L		106	74 - 125	3	25
Dibromochloromethane			0.0500	0.05062		mg/L		101	73 - 125	3	25
1,2-Dibromo-3-Chloropropane			0.0500	0.06131		mg/L		123	59 - 125	11	25
1,2-Dibromoethane			0.0500	0.05352		mg/L		107	73 - 125	1	25
1,2-Dichlorobenzene			0.0500	0.05190		mg/L		104	75 - 125	5	25
1,3-Dichlorobenzene			0.0500	0.05252		mg/L		105	75 - 125	6	25
1,4-Dichlorobenzene			0.0500	0.05253		mg/L		105	75 - 125	6	25
Dichlorodifluoromethane			0.0500	0.04833		mg/L		97	70 - 130	4	25
1,1-Dichloroethane			0.0500	0.05080		mg/L		102	70 - 130	3	25
1,2-Dichloroethane			0.0500	0.04881		mg/L		98	72 - 130	4	25
1,1-Dichloroethene			0.0500	0.05043		mg/L		101	50 - 150	3	25
1,2-Dichloropropane			0.0500	0.05271		mg/L		105	74 - 125	2	25
1,3-Dichloropropane			0.0500	0.05275		mg/L		105	75 - 125	2	25
2,2-Dichloropropane			0.0500	0.04660		mg/L		93	75 - 125	1	25
1,1-Dichloropropene			0.0500	0.05449		mg/L		109	75 - 125	2	25
Ethylbenzene			0.0500	0.05284		mg/L		106	75 - 125	1	25
Hexachlorobutadiene			0.0500	0.05425		mg/L		108	75 - 125	9	25
Isopropylbenzene			0.0500	0.05368		mg/L		107	75 - 125	0	25
Methylene Chloride			0.0500	0.04597		mg/L		92	75 - 125	0	25
m,p-Xylenes			0.0500	0.05373		mg/L		107	75 - 125	1	25
MTBE			0.0500	0.05138		mg/L		103	65 - 135	0	25
Naphthalene			0.0500	0.07492	*+	mg/L		150	70 - 130	16	25
n-Butylbenzene			0.0500	0.05834		mg/L		117	75 - 125	10	25
N-Propylbenzene			0.0500	0.05621		mg/L		112	75 - 125	8	25
o-Xylene			0.0500	0.05341		mg/L		107	75 - 125	1	25
p-Cymene (p-Isopropyltoluene)			0.0500	0.05845		mg/L		117	75 - 125	8	25
sec-Butylbenzene			0.0500	0.05799		mg/L		116	75 - 125	9	25
Styrene			0.0500	0.05442		mg/L		109	75 - 125	0	25
tert-Butylbenzene			0.0500	0.05743		mg/L		115	75 - 125	8	25
1,1,1,2-Tetrachloroethane			0.0500	0.04952		mg/L		99	72 - 125	0	25
1,1,2,2-Tetrachloroethane			0.0500	0.05387		mg/L		108	74 - 125	2	25
Tetrachloroethene			0.0500	0.05311		mg/L		106	71 - 125	3	25
Toluene			0.0500	0.05162		mg/L		103	70 - 130	2	25

QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-86883/11
Matrix: Water
Analysis Batch: 86883

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	0.04851		mg/L		97	75 - 125	1	25
trans-1,3-Dichloropropene			0.0500	0.05402		mg/L		108	66 - 125	3	25
1,2,3-Trichlorobenzene			0.0500	0.07144	*+	mg/L		143	75 - 137	15	25
1,2,4-Trichlorobenzene			0.0500	0.06315		mg/L		126	75 - 135	11	25
1,1,1-Trichloroethane			0.0500	0.05123		mg/L		102	70 - 130	2	25
1,1,2-Trichloroethane			0.0500	0.05327		mg/L		107	70 - 130	2	25
Trichloroethene			0.0500	0.05313		mg/L		106	75 - 135	0	25
Trichlorofluoromethane			0.0500	0.04446		mg/L		89	60 - 140	6	25
1,2,3-Trichloropropane			0.0500	0.05386		mg/L		108	75 - 125	2	25
1,2,4-Trimethylbenzene			0.0500	0.05760		mg/L		115	75 - 125	6	25
1,3,5-Trimethylbenzene			0.0500	0.05621		mg/L		112	60 - 140	5	25
Vinyl chloride			0.0500	0.04859		mg/L		97	60 - 140	5	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*74 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 144*
Toluene-d8 (Surr)	*102*		*80 - 117*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-86693/3
Matrix: Water
Analysis Batch: 86693

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			01/20/23 13:03	1
Chloride	<0.200	U	0.500	0.200	mg/L			01/20/23 13:03	1
Fluoride	<0.100	U	0.500	0.100	mg/L			01/20/23 13:03	1
Sulfate	0.2442	J	0.500	0.109	mg/L			01/20/23 13:03	1

Lab Sample ID: MB 860-86693/39
Matrix: Water
Analysis Batch: 86693

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			01/20/23 21:39	1
Chloride	0.2271	J	0.500	0.200	mg/L			01/20/23 21:39	1
Fluoride	<0.100	U	0.500	0.100	mg/L			01/20/23 21:39	1
Sulfate	<0.109	U	0.500	0.109	mg/L			01/20/23 21:39	1

Lab Sample ID: LCS 860-86693/4
Matrix: Water
Analysis Batch: 86693

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	9.904		mg/L		99	90 - 110		
Chloride			10.0	10.13		mg/L		101	90 - 110		
Fluoride			10.0	10.61		mg/L		106	90 - 110		

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QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 860-86693/4
Matrix: Water
Analysis Batch: 86693

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.867		mg/L		99	90 - 110

Lab Sample ID: LCS 860-86693/40
Matrix: Water
Analysis Batch: 86693

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	9.895		mg/L		99	90 - 110
Chloride	10.0	10.15		mg/L		102	90 - 110
Fluoride	10.0	10.63		mg/L		106	90 - 110
Sulfate	10.0	9.880		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-86693/41
Matrix: Water
Analysis Batch: 86693

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	9.818		mg/L		98	90 - 110	1	20
Chloride	10.0	10.10		mg/L		101	90 - 110	1	20
Fluoride	10.0	10.57		mg/L		106	90 - 110	1	20
Sulfate	10.0	9.787		mg/L		98	90 - 110	1	20

Lab Sample ID: LCSD 860-86693/5
Matrix: Water
Analysis Batch: 86693

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	9.851		mg/L		99	90 - 110	1	20
Chloride	10.0	10.10		mg/L		101	90 - 110	0	20
Fluoride	10.0	10.54		mg/L		105	90 - 110	1	20
Sulfate	10.0	9.822		mg/L		98	90 - 110	0	20

Lab Sample ID: LLCS 860-86693/7
Matrix: Water
Analysis Batch: 86693

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.500	0.6726		mg/L		135	50 - 150
Chloride	0.500	0.5997		mg/L		120	50 - 150
Fluoride	0.500	0.5034		mg/L		101	50 - 150
Sulfate	0.500	0.5798		mg/L		116	50 - 150

Lab Sample ID: MB 860-86694/3
Matrix: Water
Analysis Batch: 86694

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			01/20/23 13:03	1
Nitrite as N	0.03372	J	0.100	0.0293	mg/L			01/20/23 13:03	1

QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-86694/39
Matrix: Water
Analysis Batch: 86694

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			01/20/23 21:39	1
Nitrite as N	0.03162	J	0.100	0.0293	mg/L			01/20/23 21:39	1

Lab Sample ID: LCS 860-86694/4
Matrix: Water
Analysis Batch: 86694

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	10.30		mg/L		103	80 - 120
Nitrite as N	10.0	10.32		mg/L		103	80 - 120

Lab Sample ID: LCS 860-86694/40
Matrix: Water
Analysis Batch: 86694

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	10.32		mg/L		103	80 - 120
Nitrite as N	10.0	10.35		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-86694/41
Matrix: Water
Analysis Batch: 86694

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	10.25		mg/L		102	80 - 120	1	20
Nitrite as N	10.0	10.31		mg/L		103	80 - 120	0	20

Lab Sample ID: LCSD 860-86694/5
Matrix: Water
Analysis Batch: 86694

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	10.25		mg/L		103	80 - 120	0	20
Nitrite as N	10.0	10.32		mg/L		103	80 - 120	0	20

Lab Sample ID: LLCS 860-86694/6
Matrix: Water
Analysis Batch: 86694

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.100	0.1198		mg/L		120	50 - 150
Nitrite as N	0.100	0.08324	J	mg/L		83	50 - 150

QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-86956/1-A
Matrix: Water
Analysis Batch: 87098

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 86956

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.115	U	0.200	0.115	mg/L		01/23/23 11:00	01/23/23 18:14	1
Magnesium	<0.0428	U	0.200	0.0428	mg/L		01/23/23 11:00	01/23/23 18:14	1
Potassium	<0.0914	U	0.500	0.0914	mg/L		01/23/23 11:00	01/23/23 18:14	1
Sodium	<0.152	U	0.500	0.152	mg/L		01/23/23 11:00	01/23/23 18:14	1
SiO2	<0.471	U	1.07	0.471	mg/L		01/23/23 11:00	01/23/23 18:14	1

Lab Sample ID: LCS 860-86956/2-A
Matrix: Water
Analysis Batch: 87098

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 86956

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			25.0	25.40		mg/L		102	85 - 115		
Magnesium			25.0	24.90		mg/L		100	85 - 115		
Potassium			10.0	9.850		mg/L		99	85 - 115		
Sodium			25.0	25.00		mg/L		100	85 - 115		
SiO2			21.4	21.83		mg/L		102	85 - 115		

Lab Sample ID: LCSD 860-86956/3-A
Matrix: Water
Analysis Batch: 87098

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 86956

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			25.0	25.60		mg/L		102	85 - 115	1	20
Magnesium			25.0	25.20		mg/L		101	85 - 115	1	20
Potassium			10.0	9.940		mg/L		99	85 - 115	1	20
Sodium			25.0	25.30		mg/L		101	85 - 115	1	20
SiO2			21.4	22.04		mg/L		103	85 - 115	1	20

Lab Sample ID: LLCS 860-86956/4-A
Matrix: Water
Analysis Batch: 87098

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 86956

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			0.200	0.2320		mg/L		116	50 - 150		
Magnesium			0.200	0.2340		mg/L		117	50 - 150		
Potassium			0.500	0.5710		mg/L		114	50 - 150		
Sodium			0.500	0.7460		mg/L		149	50 - 150		
SiO2			1.07	1.186		mg/L		111	50 - 150		

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-87121/3
Matrix: Water
Analysis Batch: 87121

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			01/21/23 12:17	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/21/23 12:17	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/21/23 12:17	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			01/21/23 12:17	1

QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-87121/3
Matrix: Water
Analysis Batch: 87121

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			01/21/23 12:17	1

Lab Sample ID: LCS 860-87121/4
Matrix: Water
Analysis Batch: 87121

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	251.0		mg/L		100	85 - 115		

Lab Sample ID: LCSD 860-87121/5
Matrix: Water
Analysis Batch: 87121

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	254.0		mg/L		102	85 - 115	1	20

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

Lab Sample ID: MB 860-86726/1
Matrix: Water
Analysis Batch: 86726

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			01/20/23 15:00	1

Lab Sample ID: LCS 860-86726/2
Matrix: Water
Analysis Batch: 86726

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	1003		mg/L		100	80 - 120		

Lab Sample ID: LCSD 860-86726/3
Matrix: Water
Analysis Batch: 86726

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1004		mg/L		100	80 - 120	0	10

Lab Sample ID: LLCS 860-86726/4
Matrix: Water
Analysis Batch: 86726

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			5.00	<5.00	U	mg/L		90	50 - 150		

QC Sample Results

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

Job ID: 880-23931-1
SDG: Hobbs NM

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

Lab Sample ID: 880-23931-1 DU
Matrix: Water
Analysis Batch: 86726

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1730			1782		mg/L				3	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 880-23931-1 DU
Matrix: Water
Analysis Batch: 86787

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	6.3	HF		6.2		SU				0.5	20
Temperature	15.7	HF		15.7		Degrees C				0	20

QC Association Summary

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

Job ID: 880-23931-1
SDG: Hobbs NM

GC/MS VOA

Analysis Batch: 86883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23931-1	Levey Well	Total/NA	Water	8260C	
MB 860-86883/17	Method Blank	Total/NA	Water	8260C	
LCS 860-86883/1010	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-86883/11	Lab Control Sample Dup	Total/NA	Water	8260C	

HPLC/IC

Analysis Batch: 86693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23931-1	Levey Well	Total/NA	Water	300.0	
MB 860-86693/3	Method Blank	Total/NA	Water	300.0	
MB 860-86693/39	Method Blank	Total/NA	Water	300.0	
LCS 860-86693/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 860-86693/40	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-86693/41	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 860-86693/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-86693/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 86694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23931-1	Levey Well	Total/NA	Water	300.0	
MB 860-86694/3	Method Blank	Total/NA	Water	300.0	
MB 860-86694/39	Method Blank	Total/NA	Water	300.0	
LCS 860-86694/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 860-86694/40	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-86694/41	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 860-86694/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-86694/6	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 86956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23931-1	Levey Well	Total Recoverable	Water	200.7	
MB 860-86956/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-86956/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-86956/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 860-86956/4-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 87098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23931-1	Levey Well	Total Recoverable	Water	200.7 Rev 4.4	86956
880-23931-1	Levey Well	Total Recoverable	Water	200.7 Rev 4.4	86956
MB 860-86956/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	86956
LCS 860-86956/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	86956
LCSD 860-86956/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	86956
LLCS 860-86956/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	86956

QC Association Summary

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

Job ID: 880-23931-1
SDG: Hobbs NM

General Chemistry

Analysis Batch: 86726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23931-1	Levey Well	Total/NA	Water	SM 2540C	
MB 860-86726/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-86726/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-86726/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
LLCS 860-86726/4	Lab Control Sample	Total/NA	Water	SM 2540C	
880-23931-1 DU	Levey Well	Total/NA	Water	SM 2540C	

Analysis Batch: 86787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23931-1	Levey Well	Total/NA	Water	SM 4500 H+ B	
880-23931-1 DU	Levey Well	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 87121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23931-1	Levey Well	Total/NA	Water	SM 2320B	
MB 860-87121/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-87121/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-87121/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 87898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23931-1	Levey Well	Total/NA	Water	SM 1030E	

Lab Chronicle

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

Job ID: 880-23931-1
SDG: Hobbs NM

Client Sample ID: Levey Well

Date Collected: 01/19/23 12:10
Date Received: 01/19/23 15:36

Lab Sample ID: 880-23931-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	86883	NA	EET HOU	01/23/23 13:27
Total/NA	Analysis	300.0		1	86693	WP	EET HOU	01/20/23 23:22
Total/NA	Analysis	300.0		1	86694	WP	EET HOU	01/20/23 23:22
Total Recoverable	Prep	200.7			86956	MD	EET HOU	01/23/23 11:00
Total Recoverable	Analysis	200.7 Rev 4.4		1	87098	JDM	EET HOU	01/23/23 18:57
Total Recoverable	Prep	200.7			86956	MD	EET HOU	01/23/23 11:00
Total Recoverable	Analysis	200.7 Rev 4.4		50	87098	JDM	EET HOU	01/23/23 19:25
Total/NA	Analysis	SM 1030E		1	87898	AA	EET HOU	01/30/23 09:17
Total/NA	Analysis	SM 2320B		1	87121	TL	EET HOU	01/21/23 15:52
Total/NA	Analysis	SM 2540C		1	86726	HN	EET HOU	01/20/23 15:00
Total/NA	Analysis	SM 4500 H+ B		1	86787	TL	EET HOU	01/20/23 17:16

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 880-23931-1
SDG: Hobbs NM

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-22-48	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4	200.7	Water	SiO2
SM 1030E		Water	Anion/Cation Balance
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity
SM 2320B		Water	Phenolphthalein Alkalinity
SM 4500 H+ B		Water	Temperature

Method Summary

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

Job ID: 880-23931-1
SDG: Hobbs NM

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

Protocol References:

EPA = US Environmental Protection Agency

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:

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

Sample Summary

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

Job ID: 880-23931-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23931-1	Levey Well	Water	01/19/23 12:10	01/19/23 15:36

Chain of Custody

Work Order No: 23931

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) www.xenco.com Page 1 of 1

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

Work Order Comments

Program: UST/PST PRP Brownfields RRC Superfund
State of Project:
Reporting Level II Level III PST/UST TRRP Level IV
Deliverables EDD ADaPT Other:

Project Name:	Levey Well Hobbs NM	Turn Around	
Project Number:	03B1417001	Routine	
P.O. Number:	03B1417001	Rush 24 hr	
Sampler's Name:	Shane Diller	Due Date	

SAMPLE RECEIPT			
Temperature (°C):	1.9 / 1.6	Temp Blank:	Yes (No)
Received Intact:	(Yes) No	Wet Ice:	(Yes) No
Cooler Custody Seals:	Yes No (N/A)	Thermometer ID	FR8
Sample Custody Seals:	Yes No (N/A)	Correction Factor:	-1.0
		Total Containers:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	VOCs	Anions: F, Cl, SO4, B	Cations: Ca, K, Mg, Na, Si	pH	Alkalinity	TDS	Sample Comments
Levey Well	GW	1-19-23	1210	—	7	X	X	X	X	X	X	24hr

Work Order Notes

TAT starts the day recevied by the lab, if received by 4 30pm

880-23931 Chain of Custody

1000073

Custody Seal 1-19-23
DATE
SIGNATURE

eurofins | Environment Testing TestAmerica

Sn U V Zn
/ 7470 / 7471 Hg

1000073

Total 20(
Circle M

Notice: Signature
of service. Xenco will be liable only for the cost of samples and a charge
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		1/19/23 1536	2		
3			4		
5			6		

Revised Date 051418 Rev 2018.1

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

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-6166.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 880-23931-1
Address: 4145 Greenbriar Dr	Due Date Requested: 1/23/2023			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Levey Well Hobbs, NM 03B1417001	Project #: 88000024			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify), Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C (MOD) Full List VOCs	200.7/200.7_P TR (MOD) Custom List	300_ORGFM_28D/ Br Cl, F SO4	300_ORGFMS/ NO2, NO3	SM4500_H+/ pH	2540C_Calcd/ TDS	2320B/ Alkalinity	Cation_Anion/ (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
Levey Well (880-23931-1)	1/19/23	12:10 Mountain		Water			X	X	X	X	X	X	X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time:	Company	Received by: Pedro Palmon	Date/Time: 1/20/2023 10 11	Company EX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: | Custody Seal No.

Cooler Temperature(s) °C and Other Re: Temp: IR ID:HOU-344
C/F:+1.2 1.1

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-23931-1
SDG Number: Hobbs NM

Login Number: 23931
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins 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)	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: 880-23931-1
SDG Number: Hobbs NM

Login Number: 23931
List Number: 2
Creator: Palmar, Pedro

List Source: Eurofins Houston
List Creation: 01/20/23 12:33 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/1/2023 4:48:27 PM

JOB DESCRIPTION

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

JOB NUMBER

880-24102-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

Authorization

Generated
2/1/2023 4:48:27 PM

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

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 880-24102-1
Project/Site: Levey Well Hobbs, NM - 03B1417001 SDG: Hobbs NM

Qualifiers

GC/MS VOA

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

HPLC/IC

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

General Chemistry

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

Glossary

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

Case Narrative

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

Job ID: 880-24102-1
SDG: Hobbs NM

Job ID: 880-24102-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24102-1

Receipt
The sample was received on 1/25/2023 2:37 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 3.8°C

GC/MS VOA
Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 860-87630 exceeded control limits for the following analyte(s): Dichloro difluoromethane Note that this analyte is a known poor performer when analyzed using this method.

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 860-87630 recovered outside control limits for the following analytes: Dichloro difluoromethane and Hexachlorobutadiene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-87706 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

Method 300_ORGFMS: The following sample was analyzed outside of analytical holding time due to <EXPLANATION_REQUIRED>: Levey Well (880-24102-1).

Method 300_ORGFMS: The following sample was received outside of holding time: Levey Well (880-24102-1).

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 (880-24102-1).

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

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

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

Client Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

Client Sample ID: Levey Well

Date Collected: 01/25/23 11:50
Date Received: 01/25/23 14:37

Lab Sample ID: 880-24102-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00589**		0.00100	0.000533	mg/L			01/27/23 17:09	1
Bromobenzene	<0.000665	U	0.00100	0.000665	mg/L			01/27/23 17:09	1
Bromochloromethane	<0.000657	U	0.00100	0.000657	mg/L			01/27/23 17:09	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			01/27/23 17:09	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			01/27/23 17:09	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			01/27/23 17:09	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			01/27/23 17:09	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			01/27/23 17:09	1
Chlorobenzene	<0.000530	U	0.00100	0.000530	mg/L			01/27/23 17:09	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			01/27/23 17:09	1
Chloroform	<0.000643	U	0.00100	0.000643	mg/L			01/27/23 17:09	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			01/27/23 17:09	1
2-Chlorotoluene	<0.00118	U	0.00200	0.00118	mg/L			01/27/23 17:09	1
4-Chlorotoluene	<0.000472	U	0.00100	0.000472	mg/L			01/27/23 17:09	1
cis-1,2-Dichloroethene	<0.000714	U	0.00100	0.000714	mg/L			01/27/23 17:09	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			01/27/23 17:09	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			01/27/23 17:09	1
1,2-Dibromo-3-Chloropropane	<0.00127	U	0.00500	0.00127	mg/L			01/27/23 17:09	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			01/27/23 17:09	1
1,2-Dichlorobenzene	<0.000509	U	0.00100	0.000509	mg/L			01/27/23 17:09	1
1,3-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/27/23 17:09	1
1,4-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/27/23 17:09	1
Dichlorodifluoromethane	<0.000919	U *+	0.00100	0.000919	mg/L			01/27/23 17:09	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			01/27/23 17:09	1
1,2-Dichloroethane	<0.000590	U	0.00100	0.000590	mg/L			01/27/23 17:09	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			01/27/23 17:09	1
1,2-Dichloropropane	<0.000667	U	0.00500	0.000667	mg/L			01/27/23 17:09	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			01/27/23 17:09	1
2,2-Dichloropropane	<0.000780	U	0.00500	0.000780	mg/L			01/27/23 17:09	1
1,1-Dichloropropene	<0.00160	U	0.00500	0.00160	mg/L			01/27/23 17:09	1
Ethylbenzene	**0.0228**		0.00100	0.000411	mg/L			01/27/23 17:09	1
Hexachlorobutadiene	<0.00126	U *+	0.00500	0.00126	mg/L			01/27/23 17:09	1
Isopropylbenzene	**0.0112**		0.00100	0.000613	mg/L			01/27/23 17:09	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			01/27/23 17:09	1
m,p-Xylenes	**0.0938**		0.0100	0.00124	mg/L			01/27/23 17:09	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			01/27/23 17:09	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			01/27/23 17:09	1
n-Butylbenzene	**0.00112**		0.00100	0.000644	mg/L			01/27/23 17:09	1
N-Propylbenzene	**0.00495**		0.00100	0.000498	mg/L			01/27/23 17:09	1
o-Xylene	**0.0139**		0.00100	0.000551	mg/L			01/27/23 17:09	1
p-Cymene (p-Isopropyltoluene)	**0.00108**		0.00100	0.000919	mg/L			01/27/23 17:09	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			01/27/23 17:09	1
Styrene	<0.000655	U	0.00100	0.000655	mg/L			01/27/23 17:09	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			01/27/23 17:09	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			01/27/23 17:09	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			01/27/23 17:09	1
Tetrachloroethene	<0.000801	U	0.00100	0.000801	mg/L			01/27/23 17:09	1
Toluene	**0.0498**		0.00100	0.000475	mg/L			01/27/23 17:09	1
trans-1,2-Dichloroethene	<0.000945	U	0.00100	0.000945	mg/L			01/27/23 17:09	1

Client Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

Client Sample ID: Levey Well

Date Collected: 01/25/23 11:50
Date Received: 01/25/23 14:37

Lab Sample ID: 880-24102-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			01/27/23 17:09	1
1,2,3-Trichlorobenzene	<0.00217	U	0.00500	0.00217	mg/L			01/27/23 17:09	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			01/27/23 17:09	1
1,1,1-Trichloroethane	<0.00169	U	0.00500	0.00169	mg/L			01/27/23 17:09	1
1,1,2-Trichloroethane	<0.000511	U	0.00100	0.000511	mg/L			01/27/23 17:09	1
Trichloroethene	<0.000791	U	0.00500	0.000791	mg/L			01/27/23 17:09	1
Trichlorofluoromethane	<0.000638	U	0.00100	0.000638	mg/L			01/27/23 17:09	1
1,2,3-Trichloropropane	<0.000490	U	0.00100	0.000490	mg/L			01/27/23 17:09	1
1,2,4-Trimethylbenzene	**0.0198**		0.00100	0.000417	mg/L			01/27/23 17:09	1
1,3,5-Trimethylbenzene	**0.00669**		0.00100	0.000456	mg/L			01/27/23 17:09	1
Vinyl chloride	<0.000638	U	0.00200	0.000638	mg/L			01/27/23 17:09	1
Xylenes, Total	**0.108**		0.0100	0.00124	mg/L			01/27/23 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*74 - 124*		*01/27/23 17:09*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 131*		*01/27/23 17:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 144*		*01/27/23 17:09*	*1*
Toluene-d8 (Surr)	*99*		*80 - 117*		*01/27/23 17:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.525**		0.500	0.0711	mg/L			01/27/23 21:07	1
Nitrate as N	**0.0992**	**J H**	0.100	0.0391	mg/L			01/27/23 21:07	1
Chloride	**298**		0.500	0.200	mg/L			01/27/23 21:07	1
Nitrite as N	<0.0293	U H	0.100	0.0293	mg/L			01/27/23 21:07	1
Fluoride	**0.207**	**J**	0.500	0.100	mg/L			01/27/23 21:07	1
Sulfate	**46.7**		0.500	0.109	mg/L			01/27/23 21:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**416**		10.0	5.76	mg/L		01/28/23 13:00	01/30/23 21:51	50
Magnesium	**72.6**		0.200	0.0428	mg/L		01/28/23 13:00	01/30/23 21:33	1
Potassium	**6.84**		0.500	0.0914	mg/L		01/28/23 13:00	01/30/23 21:33	1
Sodium	**119**		0.500	0.152	mg/L		01/28/23 13:00	01/30/23 21:33	1
SiO2	**71.7**		1.07	0.471	mg/L		01/28/23 13:00	01/30/23 21:33	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Anion/Cation Balance (SM 1030E)	**-2.84**				%			01/30/23 09:17	1
Alkalinity (SM 2320B)	**1110**		4.00	4.00	mg/L			01/28/23 12:58	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1110**		4.00	4.00	mg/L			01/28/23 12:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/28/23 12:58	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/28/23 12:58	1
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/28/23 12:58	1
Total Dissolved Solids (SM 2540C)	**1760**		20.0	20.0	mg/L			01/30/23 21:00	1
pH (SM 4500 H+ B)	**6.7**	**HF**			SU			01/28/23 12:04	1
Temperature (SM 4500 H+ B)	**18.9**	**HF**			Celsius			01/28/23 12:04	1

Surrogate Summary

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

Job ID: 880-24102-1
SDG: Hobbs NM

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(74-124)	(75-131)	(63-144)	(80-117)
880-24102-1	Levey Well	99	99	94	99
LCS 860-87630/3	Lab Control Sample	95	100	96	95
LCSD 860-87630/4	Lab Control Sample Dup	94	101	95	95
MB 860-87630/11	Method Blank	102	99	94	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

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

Lab Sample ID: MB 860-87630/11
Matrix: Water
Analysis Batch: 87630

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000533	U	0.00100	0.000533	mg/L			01/27/23 13:02	1
Bromobenzene	<0.000665	U	0.00100	0.000665	mg/L			01/27/23 13:02	1
Bromochloromethane	<0.000657	U	0.00100	0.000657	mg/L			01/27/23 13:02	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			01/27/23 13:02	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			01/27/23 13:02	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			01/27/23 13:02	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			01/27/23 13:02	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			01/27/23 13:02	1
Chlorobenzene	<0.000530	U	0.00100	0.000530	mg/L			01/27/23 13:02	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			01/27/23 13:02	1
Chloroform	<0.000643	U	0.00100	0.000643	mg/L			01/27/23 13:02	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			01/27/23 13:02	1
2-Chlorotoluene	<0.00118	U	0.00200	0.00118	mg/L			01/27/23 13:02	1
4-Chlorotoluene	<0.000472	U	0.00100	0.000472	mg/L			01/27/23 13:02	1
cis-1,2-Dichloroethene	<0.000714	U	0.00100	0.000714	mg/L			01/27/23 13:02	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			01/27/23 13:02	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			01/27/23 13:02	1
1,2-Dibromo-3-Chloropropane	<0.00127	U	0.00500	0.00127	mg/L			01/27/23 13:02	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			01/27/23 13:02	1
1,2-Dichlorobenzene	<0.000509	U	0.00100	0.000509	mg/L			01/27/23 13:02	1
1,3-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/27/23 13:02	1
1,4-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			01/27/23 13:02	1
Dichlorodifluoromethane	<0.000919	U	0.00100	0.000919	mg/L			01/27/23 13:02	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			01/27/23 13:02	1
1,2-Dichloroethane	<0.000590	U	0.00100	0.000590	mg/L			01/27/23 13:02	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			01/27/23 13:02	1
1,2-Dichloropropane	<0.000667	U	0.00500	0.000667	mg/L			01/27/23 13:02	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			01/27/23 13:02	1
2,2-Dichloropropane	<0.000780	U	0.00500	0.000780	mg/L			01/27/23 13:02	1
1,1-Dichloropropene	<0.00160	U	0.00500	0.00160	mg/L			01/27/23 13:02	1
Ethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			01/27/23 13:02	1
Hexachlorobutadiene	<0.00126	U	0.00500	0.00126	mg/L			01/27/23 13:02	1
Isopropylbenzene	<0.000613	U	0.00100	0.000613	mg/L			01/27/23 13:02	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			01/27/23 13:02	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			01/27/23 13:02	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			01/27/23 13:02	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			01/27/23 13:02	1
n-Butylbenzene	<0.000644	U	0.00100	0.000644	mg/L			01/27/23 13:02	1
N-Propylbenzene	<0.000498	U	0.00100	0.000498	mg/L			01/27/23 13:02	1
o-Xylene	<0.000551	U	0.00100	0.000551	mg/L			01/27/23 13:02	1
p-Cymene (p-Isopropyltoluene)	<0.000919	U	0.00100	0.000919	mg/L			01/27/23 13:02	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			01/27/23 13:02	1
Styrene	<0.000655	U	0.00100	0.000655	mg/L			01/27/23 13:02	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			01/27/23 13:02	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			01/27/23 13:02	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			01/27/23 13:02	1
Tetrachloroethene	<0.000801	U	0.00100	0.000801	mg/L			01/27/23 13:02	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			01/27/23 13:02	1

QC Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

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

Lab Sample ID: MB 860-87630/11
Matrix: Water
Analysis Batch: 87630

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.000945	U	0.00100	0.000945	mg/L			01/27/23 13:02	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			01/27/23 13:02	1
1,2,3-Trichlorobenzene	<0.00217	U	0.00500	0.00217	mg/L			01/27/23 13:02	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			01/27/23 13:02	1
1,1,1-Trichloroethane	<0.00169	U	0.00500	0.00169	mg/L			01/27/23 13:02	1
1,1,2-Trichloroethane	<0.000511	U	0.00100	0.000511	mg/L			01/27/23 13:02	1
Trichloroethene	<0.000791	U	0.00500	0.000791	mg/L			01/27/23 13:02	1
Trichlorofluoromethane	<0.000638	U	0.00100	0.000638	mg/L			01/27/23 13:02	1
1,2,3-Trichloropropane	<0.000490	U	0.00100	0.000490	mg/L			01/27/23 13:02	1
1,2,4-Trimethylbenzene	<0.000417	U	0.00100	0.000417	mg/L			01/27/23 13:02	1
1,3,5-Trimethylbenzene	<0.000456	U	0.00100	0.000456	mg/L			01/27/23 13:02	1
Vinyl chloride	<0.000638	U	0.00200	0.000638	mg/L			01/27/23 13:02	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			01/27/23 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*74 - 124*		*01/27/23 13:02*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 131*		*01/27/23 13:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 144*		*01/27/23 13:02*	*1*
Toluene-d8 (Surr)	*100*		*80 - 117*		*01/27/23 13:02*	*1*

Lab Sample ID: LCS 860-87630/3
Matrix: Water
Analysis Batch: 87630

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	0.04982		mg/L		100	75 - 125
Bromobenzene	0.0500	0.05117		mg/L		102	75 - 125
Bromochloromethane	0.0500	0.04965		mg/L		99	60 - 140
Bromodichloromethane	0.0500	0.05314		mg/L		106	75 - 125
Bromoform	0.0500	0.05655		mg/L		113	70 - 130
Bromomethane	0.0500	0.05248		mg/L		105	60 - 140
2-Butanone	0.250	0.2258		mg/L		90	60 - 140
Carbon tetrachloride	0.0500	0.05353		mg/L		107	70 - 130
Chlorobenzene	0.0500	0.05153		mg/L		103	65 - 135
Chloroethane	0.0500	0.05345		mg/L		107	60 - 140
Chloroform	0.0500	0.04856		mg/L		97	70 - 121
Chloromethane	0.0500	0.05774		mg/L		115	60 - 140
2-Chlorotoluene	0.0500	0.05249		mg/L		105	73 - 125
4-Chlorotoluene	0.0500	0.05231		mg/L		105	74 - 125
cis-1,2-Dichloroethene	0.0500	0.04637		mg/L		93	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05020		mg/L		100	74 - 125
Dibromochloromethane	0.0500	0.05299		mg/L		106	73 - 125
1,2-Dibromo-3-Chloropropane	0.0500	0.05094		mg/L		102	59 - 125
1,2-Dibromoethane	0.0500	0.05209		mg/L		104	73 - 125
1,2-Dichlorobenzene	0.0500	0.05329		mg/L		107	75 - 125
1,3-Dichlorobenzene	0.0500	0.05402		mg/L		108	75 - 125
1,4-Dichlorobenzene	0.0500	0.05168		mg/L		103	75 - 125
Dichlorodifluoromethane	0.0500	0.09237	*+	mg/L		185	70 - 130

QC Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 860-87630/3
Matrix: Water
Analysis Batch: 87630

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	0.04450		mg/L		89	70 - 130
1,2-Dichloroethane	0.0500	0.04868		mg/L		97	72 - 130
1,1-Dichloroethene	0.0500	0.04272		mg/L		85	50 - 150
1,2-Dichloropropane	0.0500	0.04850		mg/L		97	74 - 125
1,3-Dichloropropane	0.0500	0.04790		mg/L		96	75 - 125
2,2-Dichloropropane	0.0500	0.04931		mg/L		99	75 - 125
1,1-Dichloropropene	0.0500	0.05089		mg/L		102	75 - 125
Ethylbenzene	0.0500	0.05250		mg/L		105	75 - 125
Hexachlorobutadiene	0.0500	0.06861	*+	mg/L		137	75 - 125
Isopropylbenzene	0.0500	0.05632		mg/L		113	75 - 125
Methylene Chloride	0.0500	0.04231		mg/L		85	75 - 125
m,p-Xylenes	0.0500	0.05216		mg/L		104	75 - 125
MTBE	0.0500	0.04441		mg/L		89	65 - 135
Naphthalene	0.0500	0.05176		mg/L		104	70 - 130
n-Butylbenzene	0.0500	0.05847		mg/L		117	75 - 125
N-Propylbenzene	0.0500	0.05360		mg/L		107	75 - 125
o-Xylene	0.0500	0.05244		mg/L		105	75 - 125
p-Cymene (p-Isopropyltoluene)	0.0500	0.05822		mg/L		116	75 - 125
sec-Butylbenzene	0.0500	0.05726		mg/L		115	75 - 125
Styrene	0.0500	0.05072		mg/L		101	75 - 125
tert-Butylbenzene	0.0500	0.05547		mg/L		111	75 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.05349		mg/L		107	72 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.04741		mg/L		95	74 - 125
Tetrachloroethene	0.0500	0.05737		mg/L		115	71 - 125
Toluene	0.0500	0.04937		mg/L		99	70 - 130
trans-1,2-Dichloroethene	0.0500	0.04592		mg/L		92	75 - 125
trans-1,3-Dichloropropene	0.0500	0.04736		mg/L		95	66 - 125
1,2,3-Trichlorobenzene	0.0500	0.06046		mg/L		121	75 - 137
1,2,4-Trichlorobenzene	0.0500	0.05522		mg/L		110	75 - 135
1,1,1-Trichloroethane	0.0500	0.05075		mg/L		102	70 - 130
1,1,2-Trichloroethane	0.0500	0.04880		mg/L		98	70 - 130
Trichloroethene	0.0500	0.05525		mg/L		111	75 - 135
Trichlorofluoromethane	0.0500	0.05953		mg/L		119	60 - 140
1,2,3-Trichloropropane	0.0500	0.04484		mg/L		90	75 - 125
1,2,4-Trimethylbenzene	0.0500	0.05288		mg/L		106	75 - 125
1,3,5-Trimethylbenzene	0.0500	0.05415		mg/L		108	60 - 140
Vinyl chloride	0.0500	0.05795		mg/L		116	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 144*
Toluene-d8 (Surr)	*95*		*80 - 117*

QC Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-87630/4
Matrix: Water
Analysis Batch: 87630

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	0.04789		mg/L		96	75 - 125	4	25
Bromobenzene	0.0500	0.04652		mg/L		93	75 - 125	10	25
Bromochloromethane	0.0500	0.04781		mg/L		96	60 - 140	4	25
Bromodichloromethane	0.0500	0.05164		mg/L		103	75 - 125	3	25
Bromoform	0.0500	0.05607		mg/L		112	70 - 130	1	25
Bromomethane	0.0500	0.05478		mg/L		110	60 - 140	4	25
2-Butanone	0.250	0.2239		mg/L		90	60 - 140	1	25
Carbon tetrachloride	0.0500	0.05277		mg/L		106	70 - 130	1	25
Chlorobenzene	0.0500	0.05011		mg/L		100	65 - 135	3	25
Chloroethane	0.0500	0.05520		mg/L		110	60 - 140	3	25
Chloroform	0.0500	0.04786		mg/L		96	70 - 121	1	25
Chloromethane	0.0500	0.05755		mg/L		115	60 - 140	0	25
2-Chlorotoluene	0.0500	0.04887		mg/L		98	73 - 125	7	25
4-Chlorotoluene	0.0500	0.04841		mg/L		97	74 - 125	8	25
cis-1,2-Dichloroethene	0.0500	0.04541		mg/L		91	75 - 125	2	25
cis-1,3-Dichloropropene	0.0500	0.04920		mg/L		98	74 - 125	2	25
Dibromochloromethane	0.0500	0.05164		mg/L		103	73 - 125	3	25
1,2-Dibromo-3-Chloropropane	0.0500	0.04727		mg/L		95	59 - 125	7	25
1,2-Dibromoethane	0.0500	0.05007		mg/L		100	73 - 125	4	25
1,2-Dichlorobenzene	0.0500	0.04989		mg/L		100	75 - 125	7	25
1,3-Dichlorobenzene	0.0500	0.05004		mg/L		100	75 - 125	8	25
1,4-Dichlorobenzene	0.0500	0.04821		mg/L		96	75 - 125	7	25
Dichlorodifluoromethane	0.0500	0.09074	*+	mg/L		181	70 - 130	2	25
1,1-Dichloroethane	0.0500	0.04405		mg/L		88	70 - 130	1	25
1,2-Dichloroethane	0.0500	0.04729		mg/L		95	72 - 130	3	25
1,1-Dichloroethene	0.0500	0.04092		mg/L		82	50 - 150	4	25
1,2-Dichloropropane	0.0500	0.04701		mg/L		94	74 - 125	3	25
1,3-Dichloropropane	0.0500	0.04640		mg/L		93	75 - 125	3	25
2,2-Dichloropropane	0.0500	0.05004		mg/L		100	75 - 125	1	25
1,1-Dichloropropene	0.0500	0.04802		mg/L		96	75 - 125	6	25
Ethylbenzene	0.0500	0.05091		mg/L		102	75 - 125	3	25
Hexachlorobutadiene	0.0500	0.06361	*+	mg/L		127	75 - 125	8	25
Isopropylbenzene	0.0500	0.05418		mg/L		108	75 - 125	4	25
Methylene Chloride	0.0500	0.03902		mg/L		78	75 - 125	8	25
m,p-Xylenes	0.0500	0.04971		mg/L		99	75 - 125	5	25
MTBE	0.0500	0.04351		mg/L		87	65 - 135	2	25
Naphthalene	0.0500	0.04848		mg/L		97	70 - 130	7	25
n-Butylbenzene	0.0500	0.05395		mg/L		108	75 - 125	8	25
N-Propylbenzene	0.0500	0.04936		mg/L		99	75 - 125	8	25
o-Xylene	0.0500	0.05043		mg/L		101	75 - 125	4	25
p-Cymene (p-Isopropyltoluene)	0.0500	0.05319		mg/L		106	75 - 125	9	25
sec-Butylbenzene	0.0500	0.05293		mg/L		106	75 - 125	8	25
Styrene	0.0500	0.04988		mg/L		100	75 - 125	2	25
tert-Butylbenzene	0.0500	0.05154		mg/L		103	75 - 125	7	25
1,1,1,2-Tetrachloroethane	0.0500	0.05134		mg/L		103	72 - 125	4	25
1,1,2,2-Tetrachloroethane	0.0500	0.04478		mg/L		90	74 - 125	6	25
Tetrachloroethene	0.0500	0.05291		mg/L		106	71 - 125	8	25
Toluene	0.0500	0.04745		mg/L		95	70 - 130	4	25

QC Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 860-87630/4
Matrix: Water
Analysis Batch: 87630

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	0.04371		mg/L		87	75 - 125	5	25
trans-1,3-Dichloropropene			0.0500	0.04599		mg/L		92	66 - 125	3	25
1,2,3-Trichlorobenzene			0.0500	0.05647		mg/L		113	75 - 137	7	25
1,2,4-Trichlorobenzene			0.0500	0.05199		mg/L		104	75 - 135	6	25
1,1,1-Trichloroethane			0.0500	0.05044		mg/L		101	70 - 130	1	25
1,1,2-Trichloroethane			0.0500	0.04793		mg/L		96	70 - 130	2	25
Trichloroethene			0.0500	0.05366		mg/L		107	75 - 135	3	25
Trichlorofluoromethane			0.0500	0.06492		mg/L		130	60 - 140	9	25
1,2,3-Trichloropropane			0.0500	0.04217		mg/L		84	75 - 125	6	25
1,2,4-Trimethylbenzene			0.0500	0.04808		mg/L		96	75 - 125	9	25
1,3,5-Trimethylbenzene			0.0500	0.04957		mg/L		99	60 - 140	9	25
Vinyl chloride			0.0500	0.05773		mg/L		115	60 - 140	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*74 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 144*
Toluene-d8 (Surr)	*95*		*80 - 117*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-87706/3
Matrix: Water
Analysis Batch: 87706

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			01/27/23 12:45	1
Chloride	<0.200	U	0.500	0.200	mg/L			01/27/23 12:45	1
Fluoride	<0.100	U	0.500	0.100	mg/L			01/27/23 12:45	1
Sulfate	<0.109	U	0.500	0.109	mg/L			01/27/23 12:45	1

Lab Sample ID: LCS 860-87706/4
Matrix: Water
Analysis Batch: 87706

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	9.631		mg/L		96	90 - 110		
Chloride			10.0	9.753		mg/L		98	90 - 110		
Fluoride			10.0	9.984		mg/L		100	90 - 110		
Sulfate			10.0	9.447		mg/L		94	90 - 110		

Lab Sample ID: LCSD 860-87706/5
Matrix: Water
Analysis Batch: 87706

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	9.725		mg/L		97	90 - 110	1	20
Chloride			10.0	9.836		mg/L		98	90 - 110	1	20
Fluoride			10.0	10.08		mg/L		101	90 - 110	1	20

QC Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-87706/5
Matrix: Water
Analysis Batch: 87706

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	9.511		mg/L		95	90 - 110	1	20

Lab Sample ID: LLCS 860-87706/7
Matrix: Water
Analysis Batch: 87706

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.500	0.5747		mg/L		115	50 - 150
Chloride	0.500	0.5244		mg/L		105	50 - 150
Fluoride	0.500	0.4750	J	mg/L		95	50 - 150
Sulfate	0.500	0.5571		mg/L		111	50 - 150

Lab Sample ID: MB 860-87707/3
Matrix: Water
Analysis Batch: 87707

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			01/27/23 12:45	1
Nitrite as N	<0.0293	U	0.100	0.0293	mg/L			01/27/23 12:45	1

Lab Sample ID: LCS 860-87707/4
Matrix: Water
Analysis Batch: 87707

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	9.689		mg/L		97	80 - 120
Nitrite as N	10.0	9.440		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-87707/5
Matrix: Water
Analysis Batch: 87707

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	9.776		mg/L		98	80 - 120	1	20
Nitrite as N	10.0	9.514		mg/L		95	80 - 120	1	20

Lab Sample ID: LLCS 860-87707/6
Matrix: Water
Analysis Batch: 87707

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.100	0.1084		mg/L		108	50 - 150
Nitrite as N	0.100	0.07988	J	mg/L		80	50 - 150

QC Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-87829/1-A
Matrix: Water
Analysis Batch: 88096

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 87829

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.115	U	0.200	0.115	mg/L		01/28/23 13:00	01/30/23 20:54	1
Magnesium	<0.0428	U	0.200	0.0428	mg/L		01/28/23 13:00	01/30/23 20:54	1
Potassium	<0.0914	U	0.500	0.0914	mg/L		01/28/23 13:00	01/30/23 20:54	1
Sodium	<0.152	U	0.500	0.152	mg/L		01/28/23 13:00	01/30/23 20:54	1
SiO2	<0.471	U	1.07	0.471	mg/L		01/28/23 13:00	01/30/23 20:54	1

Lab Sample ID: LCS 860-87829/2-A
Matrix: Water
Analysis Batch: 88096

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 87829

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			25.0	24.80		mg/L		99	85 - 115		
Magnesium			25.0	24.30		mg/L		97	85 - 115		
Potassium			10.0	9.700		mg/L		97	85 - 115		
Sodium			25.0	24.00		mg/L		96	85 - 115		
SiO2			21.4	21.61		mg/L		101	85 - 115		

Lab Sample ID: LCSD 860-87829/3-A
Matrix: Water
Analysis Batch: 88096

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 87829

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			25.0	24.80		mg/L		99	85 - 115	0	20
Magnesium			25.0	24.30		mg/L		97	85 - 115	0	20
Potassium			10.0	9.670		mg/L		97	85 - 115	0	20
Sodium			25.0	24.00		mg/L		96	85 - 115	0	20
SiO2			21.4	21.61		mg/L		101	85 - 115	0	20

Lab Sample ID: LLCS 860-87829/4-A
Matrix: Water
Analysis Batch: 88096

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 87829

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			0.200	0.2200		mg/L		110	50 - 150		
Magnesium			0.200	0.2060		mg/L		103	50 - 150		
Potassium			0.500	0.4330	J	mg/L		87	50 - 150		
Sodium			0.500	0.5170		mg/L		103	50 - 150		
SiO2			1.07	1.160		mg/L		108	50 - 150		

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-87925/3
Matrix: Water
Analysis Batch: 87925

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			01/28/23 11:52	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/28/23 11:52	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/28/23 11:52	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			01/28/23 11:52	1

QC Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-87925/3
Matrix: Water
Analysis Batch: 87925

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			01/28/23 11:52	1

Lab Sample ID: LCS 860-87925/4
Matrix: Water
Analysis Batch: 87925

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

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

Lab Sample ID: LCSD 860-87925/5
Matrix: Water
Analysis Batch: 87925

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity			250	251.6		mg/L		101	85 - 115	0	20

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

Lab Sample ID: MB 860-88043/1
Matrix: Water
Analysis Batch: 88043

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			01/30/23 21:00	1

Lab Sample ID: LCS 860-88043/2
Matrix: Water
Analysis Batch: 88043

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	987.0		mg/L		99	80 - 120		

Lab Sample ID: LCSD 860-88043/3
Matrix: Water
Analysis Batch: 88043

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	983.0		mg/L		98	80 - 120	0	10

Lab Sample ID: LLCS 860-88043/4
Matrix: Water
Analysis Batch: 88043

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			5.00	5.000		mg/L		100	50 - 150		

QC Sample Results

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

Job ID: 880-24102-1
SDG: Hobbs NM

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

Lab Sample ID: 880-24102-1 DU
Matrix: Water
Analysis Batch: 88043

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1760			1766		mg/L				0.1	10

QC Association Summary

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

Job ID: 880-24102-1
SDG: Hobbs NM

GC/MS VOA

Analysis Batch: 87630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24102-1	Levey Well	Total/NA	Water	8260C	
MB 860-87630/11	Method Blank	Total/NA	Water	8260C	
LCS 860-87630/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-87630/4	Lab Control Sample Dup	Total/NA	Water	8260C	

HPLC/IC

Analysis Batch: 87706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24102-1	Levey Well	Total/NA	Water	300.0	
MB 860-87706/3	Method Blank	Total/NA	Water	300.0	
LCS 860-87706/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-87706/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-87706/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 87707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24102-1	Levey Well	Total/NA	Water	300.0	
MB 860-87707/3	Method Blank	Total/NA	Water	300.0	
LCS 860-87707/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-87707/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-87707/6	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 87829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24102-1	Levey Well	Total Recoverable	Water	200.7	
MB 860-87829/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-87829/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-87829/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 860-87829/4-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 88096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24102-1	Levey Well	Total Recoverable	Water	200.7 Rev 4.4	87829
880-24102-1	Levey Well	Total Recoverable	Water	200.7 Rev 4.4	87829
MB 860-87829/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	87829
LCS 860-87829/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	87829
LCSD 860-87829/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	87829
LLCS 860-87829/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	87829

General Chemistry

Analysis Batch: 87819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24102-1	Levey Well	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 87898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24102-1	Levey Well	Total/NA	Water	SM 1030E	

QC Association Summary

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

Job ID: 880-24102-1
SDG: Hobbs NM

General Chemistry

Analysis Batch: 87925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24102-1	Levey Well	Total/NA	Water	SM 2320B	
MB 860-87925/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-87925/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-87925/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 88043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24102-1	Levey Well	Total/NA	Water	SM 2540C	
MB 860-88043/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-88043/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-88043/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
LLCS 860-88043/4	Lab Control Sample	Total/NA	Water	SM 2540C	
880-24102-1 DU	Levey Well	Total/NA	Water	SM 2540C	

Lab Chronicle

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

Job ID: 880-24102-1
SDG: Hobbs NM

Client Sample ID: Levey Well
Date Collected: 01/25/23 11:50
Date Received: 01/25/23 14:37

Lab Sample ID: 880-24102-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	87630	NA	EET HOU	01/27/23 17:09
Total/NA	Analysis	300.0		1	87706	WP	EET HOU	01/27/23 21:07
Total/NA	Analysis	300.0		1	87707	WP	EET HOU	01/27/23 21:07
Total Recoverable	Prep	200.7			87829	MD	EET HOU	01/28/23 13:00
Total Recoverable	Analysis	200.7 Rev 4.4		1	88096	JDM	EET HOU	01/30/23 21:33
Total Recoverable	Prep	200.7			87829	MD	EET HOU	01/28/23 13:00
Total Recoverable	Analysis	200.7 Rev 4.4		50	88096	JDM	EET HOU	01/30/23 21:51
Total/NA	Analysis	SM 1030E		1	87898	AA	EET HOU	01/30/23 09:17
Total/NA	Analysis	SM 2320B		1	87925	TL	EET HOU	01/28/23 12:58
Total/NA	Analysis	SM 2540C		1	88043	HN	EET HOU	01/30/23 21:00
Total/NA	Analysis	SM 4500 H+ B		1	87819	TL	EET HOU	01/28/23 12:04

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 880-24102-1
SDG: Hobbs NM

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-22-48	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4	200.7	Water	SiO2
SM 1030E		Water	Anion/Cation Balance
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity
SM 2320B		Water	Phenolphthalein Alkalinity
SM 4500 H+ B		Water	Temperature

Method Summary

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

Job ID: 880-24102-1
SDG: Hobbs NM

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

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 880-24102-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24102-1	Levey Well	Water	01/25/23 11:50	01/25/23 14:37

Chain of Custody

XENCO LABORATORIES

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)

Work Order No: 24102

www xenco com Page 1 of 1

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

Work Order Comments

Program: UST/PST PRP Brownfields RRC Superfund
State of Project:
Reporting Level II Level III PST/UST TRRP Level IV
Deliverables EDD ADaPT Other

Project Name:	Levey Well Hobbs NM	Turn Around	
Project Number:	03B1417001	Routine	
P O. Number:	03B1417001	Rush 24 hr	
Sampler's Name:	Shane Diller	Due Date	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	4.1 / 3.8	Thermometer ID		
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.30	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	VOCs	Anions: F, Cl, SO4, B	Cations: Ca, K, Mg, Na, Si	pH	Alkalinity	TDS	Sample Comments
Levey Well	GW	1-25-23	1150	~	7	X	X	X	X	X	X	24hr

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4 30pm

NFE 1-25-23

880-24102 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 Tl 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 Tl U **1631 / 245.1 / 7470 / 7471** Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by. (Signature)	Date/Time
1		1/25/23 1437	2		
3			4		
5			6		

Revised Date 051418 Rev 2018.1

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

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-6200.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 880-24102-1
Address: 4145 Greenbriar Dr	Due Date Requested: 1/27/2023			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Levey Well Hobbs, NM 03B1417001	Project #: 88000024			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C (MOD) Full List VOCs	200.7/200.7_P TR (MOD) Custom List	300_ORGFM_28D/ Br, Cl, F, SO4	300_ORGFMS/ NO2, NO3	SM4500_H+/ pH	2540C_Calcd/ TDS	2320B/ Alkalinity	Cation_Anion/ (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
Levey Well (880-24102-1)	1/25/23	11:50 Mountain		Water			X	X	X	X	X	X	X	X	7	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: FedEX	Date/Time:	Company	Received by: FedEX Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: 1/27/2023 10 25 Company EX
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: Temp. IR ID HOU-344 C/F +1.2 17 Corrected Temp: 29

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-24102-1
SDG Number: Hobbs NM

Login Number: 24102
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins 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)	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: 880-24102-1
SDG Number: Hobbs NM

Login Number: 24102
List Number: 2
Creator: Pena, Jesiel

List Source: Eurofins Houston
List Creation: 01/27/23 03:04 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	

ANALYTICAL REPORT

January 16, 2023

Ensolum, LLC

Sample Delivery Group:	L1574896
Samples Received:	01/11/2023
Project Number:	03B1417001
Description:	Levey Well
Site:	03B1417001
Report To:	Beaux Jennings 601 N Marienfeld Street, Ste. 400 Midland, TX 79701

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

LEVEY WELL L1574896-01 Air

			Collected by	Collected date/time	Received date/time
			Shane Diller	01/04/23 12:18	01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1986949	100	01/11/23 22:30	01/11/23 22:30	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1988349	1000	01/13/23 21:15	01/13/23 21:15	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1989001	10000	01/15/23 15:28	01/15/23 15:28	DBB	Mt. Juliet, TN

CASE NARRATIVE

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

Chad A Upchurch
Project Manager

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

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

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

Chad A Upchurch
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 01/16/2023 09:01
Project Name: Levey Well	Laboratory Job Number: L1574896-01
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1986949, WG1988349 and WG1989001

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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			1
		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).

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 01/16/2023 09:01
Project Name: Levey Well	Laboratory Job Number: L1574896-01
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1986949, WG1988349 and WG1989001

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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				

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).

Revised May 2010

Laboratory Review Checklist: Exceptions Reports

Laboratory Name: Pace Analytical National	LRC Date: 01/16/2023 09:01
Project Name: Levey Well	Laboratory Job Number: L1574896-01
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1986949, WG1988349 and WG1989001

ER #[1]	Description
1	TO-15 WG1986949 Allyl Chloride: Percent Recovery is outside of established control limits.

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).

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	125	297	ND	ND		100	WG1986949
Allyl chloride	107-05-1	76.53	20.0	62.6	ND	ND	J4	100	WG1986949
Benzene	71-43-2	78.10	20.0	63.9	ND	ND		100	WG1986949
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1986949
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1986949
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1986949
Bromomethane	74-83-9	94.90	20.0	77.6	ND	ND		100	WG1986949
1,3-Butadiene	106-99-0	54.10	200	443	ND	ND		100	WG1986949
Carbon disulfide	75-15-0	76.10	20.0	62.2	39.8	124		100	WG1986949
Carbon tetrachloride	56-23-5	154	20.0	126	ND	ND		100	WG1986949
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1986949
Chloroethane	75-00-3	64.50	20.0	52.8	ND	ND		100	WG1986949
Chloroform	67-66-3	119	20.0	97.3	ND	ND		100	WG1986949
Chloromethane	74-87-3	50.50	20.0	41.3	ND	ND		100	WG1986949
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1986949
Cyclohexane	110-82-7	84.20	20.0	68.9	7700	26500		100	WG1986949
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1986949
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1986949
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1986949
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1986949
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1986949
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1986949
1,1-Dichloroethane	75-34-3	98	20.0	80.2	ND	ND		100	WG1986949
1,1-Dichloroethene	75-35-4	96.90	20.0	79.3	ND	ND		100	WG1986949
cis-1,2-Dichloroethene	156-59-2	96.90	20.0	79.3	ND	ND		100	WG1986949
trans-1,2-Dichloroethene	156-60-5	96.90	200	793	ND	ND		1000	WG1988349
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1986949
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1986949
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1986949
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1986949
Ethanol	64-17-5	46.10	125	236	1460	2750		100	WG1986949
Ethylbenzene	100-41-4	106	20.0	86.7	ND	ND		100	WG1986949
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1986949
Trichlorofluoromethane	75-69-4	137.40	20.0	112	ND	ND		100	WG1986949
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG1986949
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	20.0	153	ND	ND		100	WG1986949
1,2-Dichlorotetrafluoroethane	76-14-2	171	20.0	140	ND	ND		100	WG1986949
Heptane	142-82-5	100	20.0	81.8	9510	38900		100	WG1986949
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1986949
n-Hexane	110-54-3	86.20	6300	22200	217000	765000		10000	WG1989001
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1986949
Methylene Chloride	75-09-2	84.90	20.0	69.4	22.0	76.4		100	WG1986949
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1986949
2-Butanone (MEK)	78-93-3	72.10	125	369	1440	4250		100	WG1986949
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1986949
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1986949
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1986949
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1986949
2-Propanol	67-63-0	60.10	125	307	1960	4820		100	WG1986949
Propene	115-07-1	42.10	125	215	ND	ND		100	WG1986949
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1986949
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1986949
Tetrachloroethylene	127-18-4	166	20.0	136	ND	ND		100	WG1986949
Tetrahydrofuran	109-99-9	72.10	20.0	59.0	ND	ND		100	WG1986949
Toluene	108-88-3	92.10	50.0	188	ND	ND		100	WG1986949
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1986949

Collected date/time: 01/04/23 12:18
L1574896

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	20.0	109	ND	ND		100	WG1986949
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1986949
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1986949
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1986949
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	ND	ND		100	WG1986949
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	ND	ND		100	WG1986949
Vinyl chloride	75-01-4	62.50	20.0	51.1	ND	ND		100	WG1986949
Vinyl Bromide	593-60-2	106.95	20.0	87.5	ND	ND		100	WG1986949
Vinyl acetate	108-05-4	86.10	20.0	70.4	ND	ND		100	WG1986949
m&p-Xylene	1330-20-7	106	40.0	173	ND	ND		100	WG1986949
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1986949
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	283000	1170000		100	WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.2*				WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.1*				WG1988349
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*100*				WG1989001

Sample Narrative:

L1574896-01 WG1988349: Target compounds too high to run at a lower dilution.

Method Blank (MB)

(MB) R3880313-3 01/11/23 12:29

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
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

Method Blank (MB)

(MB) R3880313-3 01/11/23 12:29

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	58.5	J	39.7	200
(S) 1,4-Bromofluorobenzene	*90.5*			*60.0-140*

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

(LCS) R3880313-1 01/11/23 11:23 • (LCSD) R3880313-2 01/11/23 11:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	2.73	2.97	72.8	79.2	70.0-130			8.42	25
Allyl Chloride	3.75	2.60	2.55	69.3	68.0	70.0-130	J4	J4	1.94	25
Benzene	3.75	3.38	3.37	90.1	89.9	70.0-130			0.296	25
Benzyl Chloride	3.75	3.01	2.96	80.3	78.9	70.0-152			1.68	25
Bromodichloromethane	3.75	3.34	3.34	89.1	89.1	70.0-130			0.000	25
Bromoform	3.75	3.51	3.53	93.6	94.1	70.0-130			0.568	25

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

(LCS) R3880313-1 01/11/23 11:23 • (LCSD) R3880313-2 01/11/23 11:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	3.75	3.03	3.02	80.8	80.5	70.0-130			0.331	25
1,3-Butadiene	3.75	2.75	2.75	73.3	73.3	70.0-130			0.000	25
Carbon disulfide	3.75	2.74	2.69	73.1	71.7	70.0-130			1.84	25
Carbon tetrachloride	3.75	3.25	3.25	86.7	86.7	70.0-130			0.000	25
Chlorobenzene	3.75	3.35	3.36	89.3	89.6	70.0-130			0.298	25
Chloroethane	3.75	2.78	2.74	74.1	73.1	70.0-130			1.45	25
Chloroform	3.75	3.28	3.26	87.5	86.9	70.0-130			0.612	25
Chloromethane	3.75	2.80	2.78	74.7	74.1	70.0-130			0.717	25
2-Chlorotoluene	3.75	3.51	3.56	93.6	94.9	70.0-130			1.41	25
Cyclohexane	3.75	3.20	3.18	85.3	84.8	70.0-130			0.627	25
Dibromochloromethane	3.75	3.28	3.27	87.5	87.2	70.0-130			0.305	25
1,2-Dibromoethane	3.75	3.37	3.34	89.9	89.1	70.0-130			0.894	25
1,2-Dichlorobenzene	3.75	3.55	3.58	94.7	95.5	70.0-130			0.842	25
1,3-Dichlorobenzene	3.75	3.72	3.68	99.2	98.1	70.0-130			1.08	25
1,4-Dichlorobenzene	3.75	3.71	3.75	98.9	100	70.0-130			1.07	25
1,2-Dichloroethane	3.75	3.43	3.43	91.5	91.5	70.0-130			0.000	25
1,1-Dichloroethane	3.75	3.34	3.33	89.1	88.8	70.0-130			0.300	25
1,1-Dichloroethene	3.75	2.88	2.82	76.8	75.2	70.0-130			2.11	25
cis-1,2-Dichloroethene	3.75	3.35	3.30	89.3	88.0	70.0-130			1.50	25
1,2-Dichloropropane	3.75	3.27	3.25	87.2	86.7	70.0-130			0.613	25
cis-1,3-Dichloropropene	3.75	3.18	3.15	84.8	84.0	70.0-130			0.948	25
trans-1,3-Dichloropropene	3.75	3.18	3.12	84.8	83.2	70.0-130			1.90	25
1,4-Dioxane	3.75	3.42	3.38	91.2	90.1	70.0-140			1.18	25
Ethanol	3.75	2.81	2.69	74.9	71.7	55.0-148			4.36	25
Ethylbenzene	3.75	3.47	3.47	92.5	92.5	70.0-130			0.000	25
4-Ethyltoluene	3.75	3.52	3.52	93.9	93.9	70.0-130			0.000	25
Trichlorofluoromethane	3.75	3.08	3.05	82.1	81.3	70.0-130			0.979	25
Dichlorodifluoromethane	3.75	2.95	2.91	78.7	77.6	64.0-139			1.37	25
1,1,2-Trichlorotrifluoroethane	3.75	2.85	2.82	76.0	75.2	70.0-130			1.06	25
1,2-Dichlorotetrafluoroethane	3.75	3.00	3.01	80.0	80.3	70.0-130			0.333	25
Heptane	3.75	3.26	3.25	86.9	86.7	70.0-130			0.307	25
Hexachloro-1,3-butadiene	3.75	3.47	3.45	92.5	92.0	70.0-151			0.578	25
Isopropylbenzene	3.75	3.43	3.45	91.5	92.0	70.0-130			0.581	25
Methylene Chloride	3.75	2.75	2.71	73.3	72.3	70.0-130			1.47	25
Methyl Butyl Ketone	3.75	3.19	3.19	85.1	85.1	70.0-149			0.000	25
Methyl Ethyl Ketone	3.75	3.18	3.18	84.8	84.8	70.0-130			0.000	25
4-Methyl-2-pentanone (MIBK)	3.75	3.37	3.33	89.9	88.8	70.0-139			1.19	25
Methyl Methacrylate	3.75	3.23	3.20	86.1	85.3	70.0-130			0.933	25
MTBE	3.75	3.16	3.10	84.3	82.7	70.0-130			1.92	25
Naphthalene	3.75	3.35	3.28	89.3	87.5	70.0-159			2.11	25

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

(LCS) R3880313-1 01/11/23 11:23 • (LCSD) R3880313-2 01/11/23 11:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Propanol	3.75	2.74	2.67	73.1	71.2	70.0-139			2.59	25
Propene	3.75	3.37	3.33	89.9	88.8	64.0-144			1.19	25
Styrene	3.75	3.51	3.49	93.6	93.1	70.0-130			0.571	25
1,1,2,2-Tetrachloroethane	3.75	3.52	3.55	93.9	94.7	70.0-130			0.849	25
Tetrachloroethylene	3.75	3.42	3.38	91.2	90.1	70.0-130			1.18	25
Tetrahydrofuran	3.75	3.16	3.10	84.3	82.7	70.0-137			1.92	25
Toluene	3.75	3.33	3.33	88.8	88.8	70.0-130			0.000	25
1,2,4-Trichlorobenzene	3.75	3.13	3.04	83.5	81.1	70.0-160			2.92	25
1,1,1-Trichloroethane	3.75	3.22	3.20	85.9	85.3	70.0-130			0.623	25
1,1,2-Trichloroethane	3.75	3.37	3.36	89.9	89.6	70.0-130			0.297	25
Trichloroethylene	3.75	3.43	3.38	91.5	90.1	70.0-130			1.47	25
1,2,4-Trimethylbenzene	3.75	3.53	3.55	94.1	94.7	70.0-130			0.565	25
1,3,5-Trimethylbenzene	3.75	3.54	3.53	94.4	94.1	70.0-130			0.283	25
2,2,4-Trimethylpentane	3.75	3.24	3.20	86.4	85.3	70.0-130			1.24	25
Vinyl chloride	3.75	2.92	2.90	77.9	77.3	70.0-130			0.687	25
Vinyl Bromide	3.75	3.11	3.04	82.9	81.1	70.0-130			2.28	25
Vinyl acetate	3.75	2.97	2.93	79.2	78.1	70.0-130			1.36	25
m&p-Xylene	7.50	7.22	7.17	96.3	95.6	70.0-130			0.695	25
o-Xylene	3.75	3.52	3.50	93.9	93.3	70.0-130			0.570	25
TPH (GC/MS) Low Fraction	203	222	223	109	110	70.0-130			0.449	25
(S) 1,4-Bromofluorobenzene				*96.3*	*98.1*	*60.0-140*				

Method Blank (MB)

(MB) R3881018-3 01/13/23 11:50

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
trans-1,2-Dichloroethene	U		0.0673	0.200
(S) 1,4-Bromofluorobenzene	*96.5*			*60.0-140*

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

(LCS) R3881018-1 01/13/23 10:48 • (LCSD) R3881018-2 01/13/23 11:20

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,2-Dichloroethene	3.75	3.87	3.87	103	103	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				*102*	*102*	*60.0-140*				

Method Blank (MB)

(MB) R3881187-3 01/15/23 10:41

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
n-Hexane	U		0.206	0.630
(S) 1,4-Bromofluorobenzene	*100*			*60.0-140*

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

(LCS) R3881187-1 01/15/23 09:27 • (LCSD) R3881187-2 01/15/23 10:05

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Hexane	3.75	4.07	4.30	109	115	70.0-130			5.50	25
(S) 1,4-Bromofluorobenzene				*100*	*102*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 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.
J4	The associated batch QC was outside the established quality control range for accuracy.

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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	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 [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	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 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

Company Name/Address:
Ensolum, LLC

601 Marienfeld #400
Midland, TX 79701

Billing Information:
Accounts Payable
2351 W Northwest Hwy. Ste. 1203
Dallas, TX 75220

Pres Chk

Report to:
Beaux Jennings

Email To: **bjennings@ensolum.com**

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):
Shane Diller

Site/Facility ID #
03B1417001

P.O. #
03B1417001

Collected by (signature):

Immediately Packed on Ice N __X__ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
__X__ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative: TO-15 Summa
Levey Well	G	Air	—	1-4-23	1218	1	X

Wet 1-4-23

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

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 # L1574896

1040

Acctnum:

Template:**T180734**

Prelogin: **P827709**

PM: **134 - Mark W. Beasley**

PB:

Shipped Via:

Remarks	Sample # (lab only)
	-01

* 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 #

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:	Time:	Received by: (Signature)
	1/9/23	830	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/9/23	1700	FedEx
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / (No)
HCL / MeoH
TBR

Temp: Amb. °C Bottles Received: 1

Date: 1/11/23 Time: 0830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

ANALYTICAL REPORT

January 16, 2023

Ensolum, LLC

Sample Delivery Group:	L1574901
Samples Received:	01/11/2023
Project Number:	03B1417001
Description:	Levey Well
Site:	03B1417001
Report To:	Beaux Jennings 601 N Marienfeld Street, Ste. 400 Midland, TX 79701

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

LEVEY WELL L1574901-01 Air

Collected by: Shane Diller | Collected date/time: 01/09/23 11:10 | Received date/time: 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1986949	100	01/11/23 23:01	01/11/23 23:01	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1988349	1000	01/13/23 21:45	01/13/23 21:45	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1989001	10000	01/15/23 16:06	01/15/23 16:06	DBB	Mt. Juliet, TN

LEVEY WELL L1574901-02 Air

Collected by: Shane Diller | Collected date/time: 01/09/23 15:07 | Received date/time: 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1986949	100	01/11/23 23:32	01/11/23 23:32	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1988349	100	01/13/23 22:15	01/13/23 22:15	DAH	Mt. Juliet, TN

LEVEY WELL L1574901-03 Air

Collected by: Shane Diller | Collected date/time: 01/09/23 16:08 | Received date/time: 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1986949	100	01/12/23 00:02	01/12/23 00:02	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1988349	100	01/13/23 22:46	01/13/23 22:46	DAH	Mt. Juliet, TN

LEVEY WELL L1574901-04 Air

Collected by: Shane Diller | Collected date/time: 01/09/23 17:06 | Received date/time: 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1986949	100	01/12/23 00:33	01/12/23 00:33	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1988349	100	01/13/23 23:16	01/13/23 23:16	DAH	Mt. Juliet, TN

CASE NARRATIVE

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

Chad A Upchurch
Project Manager

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

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

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

Chad A Upchurch
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 01/16/2023 13:47
Project Name: Levey Well	Laboratory Job Number: L1574901-01, 02, 03 and 04
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1986949, WG1988349 and WG1989001

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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			1
		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).

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 01/16/2023 13:47
Project Name: Levey Well	Laboratory Job Number: L1574901-01, 02, 03 and 04
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1986949, WG1988349 and WG1989001

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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				

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5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Exceptions Reports

Laboratory Name: Pace Analytical National	LRC Date: 01/16/2023 13:47
Project Name: Levey Well	Laboratory Job Number: L1574901-01, 02, 03 and 04
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1986949, WG1988349 and WG1989001

ER #[1]	Description
1	TO-15 WG1986949 Allyl Chloride: Percent Recovery is outside of established control limits.

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).

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1250	2970	ND	ND		1000	WG1988349
Allyl chloride	107-05-1	76.53	200	626	ND	ND		1000	WG1988349
Benzene	71-43-2	78.10	20.0	63.9	ND	ND		100	WG1986949
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1986949
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1986949
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1986949
Bromomethane	74-83-9	94.90	200	776	ND	ND		1000	WG1988349
1,3-Butadiene	106-99-0	54.10	2000	4430	ND	ND		1000	WG1988349
Carbon disulfide	75-15-0	76.10	200	622	ND	ND		1000	WG1988349
Carbon tetrachloride	56-23-5	154	200	1260	ND	ND		1000	WG1988349
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1986949
Chloroethane	75-00-3	64.50	200	528	ND	ND		1000	WG1988349
Chloroform	67-66-3	119	200	973	ND	ND		1000	WG1988349
Chloromethane	74-87-3	50.50	200	413	ND	ND		1000	WG1988349
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1986949
Cyclohexane	110-82-7	84.20	200	689	24000	82700		1000	WG1988349
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1986949
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1986949
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1986949
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1986949
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1986949
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1986949
1,1-Dichloroethane	75-34-3	98	200	802	ND	ND		1000	WG1988349
1,1-Dichloroethene	75-35-4	96.90	200	793	ND	ND		1000	WG1988349
cis-1,2-Dichloroethene	156-59-2	96.90	200	793	ND	ND		1000	WG1988349
trans-1,2-Dichloroethene	156-60-5	96.90	200	793	ND	ND		1000	WG1988349
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1986949
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1986949
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1986949
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1986949
Ethanol	64-17-5	46.10	1250	2360	5210	9820		1000	WG1988349
Ethylbenzene	100-41-4	106	20.0	86.7	ND	ND		100	WG1986949
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1986949
Trichlorofluoromethane	75-69-4	137.40	200	1120	ND	ND		1000	WG1988349
Dichlorodifluoromethane	75-71-8	120.92	200	989	ND	ND		1000	WG1988349
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	200	1530	ND	ND		1000	WG1988349
1,2-Dichlorotetrafluoroethane	76-14-2	171	200	1400	ND	ND		1000	WG1988349
Heptane	142-82-5	100	200	818	25900	106000		1000	WG1988349
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1986949
n-Hexane	110-54-3	86.20	6300	22200	373000	1320000		10000	WG1989001
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1986949
Methylene Chloride	75-09-2	84.90	200	694	ND	ND		1000	WG1988349
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1986949
2-Butanone (MEK)	78-93-3	72.10	1250	3690	ND	ND		1000	WG1988349
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1986949
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1986949
MTBE	1634-04-4	88.10	200	721	ND	ND		1000	WG1988349
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1986949
2-Propanol	67-63-0	60.10	1250	3070	21900	53800		1000	WG1988349
Propene	115-07-1	42.10	1250	2150	ND	ND		1000	WG1988349
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1986949
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1986949
Tetrachloroethylene	127-18-4	166	20.0	136	ND	ND		100	WG1986949
Tetrahydrofuran	109-99-9	72.10	200	590	ND	ND		1000	WG1988349
Toluene	108-88-3	92.10	50.0	188	ND	ND		100	WG1986949
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1986949

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

Collected date/time: 01/09/23 11:10
L1574901

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	200	1090	ND	ND		1000	WG1988349
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1986949
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1986949
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1986949
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	20.5	101		100	WG1986949
2,2,4-Trimethylpentane	540-84-1	114.22	200	934	ND	ND		1000	WG1988349
Vinyl chloride	75-01-4	62.50	200	511	ND	ND		1000	WG1988349
Vinyl Bromide	593-60-2	106.95	200	875	ND	ND		1000	WG1988349
Vinyl acetate	108-05-4	86.10	200	704	ND	ND		1000	WG1988349
m&p-Xylene	1330-20-7	106	40.0	173	ND	ND		100	WG1986949
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1986949
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	417000	1720000		100	WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.2*				WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.6*				WG1988349
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG1989001

Sample Narrative:

L1574901-01 WG1988349: Target compounds too high to run at a lower dilution.

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

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	125	297	ND	ND		100	WG1986949
Allyl chloride	107-05-1	76.53	20.0	62.6	ND	ND	J4	100	WG1986949
Benzene	71-43-2	78.10	20.0	63.9	ND	ND		100	WG1986949
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1986949
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1986949
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1986949
Bromomethane	74-83-9	94.90	20.0	77.6	ND	ND		100	WG1986949
1,3-Butadiene	106-99-0	54.10	200	443	ND	ND		100	WG1986949
Carbon disulfide	75-15-0	76.10	20.0	62.2	ND	ND		100	WG1986949
Carbon tetrachloride	56-23-5	154	20.0	126	ND	ND		100	WG1986949
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1986949
Chloroethane	75-00-3	64.50	20.0	52.8	ND	ND		100	WG1986949
Chloroform	67-66-3	119	20.0	97.3	ND	ND		100	WG1986949
Chloromethane	74-87-3	50.50	20.0	41.3	ND	ND		100	WG1986949
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1986949
Cyclohexane	110-82-7	84.20	20.0	68.9	76.3	263		100	WG1986949
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1986949
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1986949
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1986949
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1986949
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1986949
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1986949
1,1-Dichloroethane	75-34-3	98	20.0	80.2	ND	ND		100	WG1986949
1,1-Dichloroethene	75-35-4	96.90	20.0	79.3	ND	ND		100	WG1986949
cis-1,2-Dichloroethene	156-59-2	96.90	20.0	79.3	ND	ND		100	WG1986949
trans-1,2-Dichloroethene	156-60-5	96.90	20.0	79.3	ND	ND		100	WG1988349
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1986949
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1986949
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1986949
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1986949
Ethanol	64-17-5	46.10	125	236	1310	2470		100	WG1986949
Ethylbenzene	100-41-4	106	20.0	86.7	ND	ND		100	WG1986949
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1986949
Trichlorofluoromethane	75-69-4	137.40	20.0	112	ND	ND		100	WG1986949
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG1986949
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	20.0	153	ND	ND		100	WG1986949
1,2-Dichlorotetrafluoroethane	76-14-2	171	20.0	140	ND	ND		100	WG1986949
Heptane	142-82-5	100	20.0	81.8	156	638		100	WG1986949
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1986949
n-Hexane	110-54-3	86.20	63.0	222	719	2530		100	WG1986949
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1986949
Methylene Chloride	75-09-2	84.90	20.0	69.4	22.4	77.8		100	WG1986949
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1986949
2-Butanone (MEK)	78-93-3	72.10	125	369	ND	ND		100	WG1986949
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1986949
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1986949
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1986949
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1986949
2-Propanol	67-63-0	60.10	125	307	1720	4230		100	WG1986949
Propene	115-07-1	42.10	125	215	ND	ND		100	WG1986949
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1986949
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1986949
Tetrachloroethylene	127-18-4	166	20.0	136	ND	ND		100	WG1986949
Tetrahydrofuran	109-99-9	72.10	20.0	59.0	ND	ND		100	WG1986949
Toluene	108-88-3	92.10	50.0	188	ND	ND		100	WG1986949
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1986949

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

LEVEL WELL
Collected date/time: 01/09/23 15:07
L1574901

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	20.0	109	ND	ND		100	WG1986949
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1986949
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1986949
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1986949
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	ND	ND		100	WG1986949
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	29.7	139		100	WG1986949
Vinyl chloride	75-01-4	62.50	20.0	51.1	ND	ND		100	WG1986949
Vinyl Bromide	593-60-2	106.95	20.0	87.5	ND	ND		100	WG1986949
Vinyl acetate	108-05-4	86.10	20.0	70.4	ND	ND		100	WG1986949
m&p-Xylene	1330-20-7	106	40.0	173	ND	ND		100	WG1986949
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1986949
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	ND	ND		100	WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.4*				WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*102*				WG1988349

Sample Narrative:

L1574901-02 WG1988349: Target compounds too high to run at a lower dilution.

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	125	297	ND	ND		100	WG1986949
Allyl chloride	107-05-1	76.53	20.0	62.6	ND	ND	J4	100	WG1986949
Benzene	71-43-2	78.10	20.0	63.9	ND	ND		100	WG1986949
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1986949
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1986949
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1986949
Bromomethane	74-83-9	94.90	20.0	77.6	ND	ND		100	WG1986949
1,3-Butadiene	106-99-0	54.10	200	443	ND	ND		100	WG1986949
Carbon disulfide	75-15-0	76.10	20.0	62.2	ND	ND		100	WG1986949
Carbon tetrachloride	56-23-5	154	20.0	126	ND	ND		100	WG1986949
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1986949
Chloroethane	75-00-3	64.50	20.0	52.8	ND	ND		100	WG1986949
Chloroform	67-66-3	119	20.0	97.3	ND	ND		100	WG1986949
Chloromethane	74-87-3	50.50	20.0	41.3	ND	ND		100	WG1986949
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1986949
Cyclohexane	110-82-7	84.20	20.0	68.9	50.6	174		100	WG1986949
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1986949
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1986949
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1986949
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1986949
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1986949
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1986949
1,1-Dichloroethane	75-34-3	98	20.0	80.2	ND	ND		100	WG1986949
1,1-Dichloroethene	75-35-4	96.90	20.0	79.3	ND	ND		100	WG1986949
cis-1,2-Dichloroethene	156-59-2	96.90	20.0	79.3	ND	ND		100	WG1986949
trans-1,2-Dichloroethene	156-60-5	96.90	20.0	79.3	ND	ND		100	WG1988349
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1986949
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1986949
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1986949
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1986949
Ethanol	64-17-5	46.10	125	236	1390	2620		100	WG1986949
Ethylbenzene	100-41-4	106	20.0	86.7	ND	ND		100	WG1986949
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1986949
Trichlorofluoromethane	75-69-4	137.40	20.0	112	ND	ND		100	WG1986949
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG1986949
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	20.0	153	ND	ND		100	WG1986949
1,2-Dichlorotetrafluoroethane	76-14-2	171	20.0	140	ND	ND		100	WG1986949
Heptane	142-82-5	100	20.0	81.8	86.4	353		100	WG1986949
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1986949
n-Hexane	110-54-3	86.20	63.0	222	756	2670		100	WG1986949
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1986949
Methylene Chloride	75-09-2	84.90	20.0	69.4	21.5	74.7		100	WG1986949
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1986949
2-Butanone (MEK)	78-93-3	72.10	125	369	ND	ND		100	WG1986949
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1986949
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1986949
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1986949
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1986949
2-Propanol	67-63-0	60.10	125	307	3230	7940		100	WG1986949
Propene	115-07-1	42.10	125	215	ND	ND		100	WG1986949
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1986949
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1986949
Tetrachloroethylene	127-18-4	166	20.0	136	ND	ND		100	WG1986949
Tetrahydrofuran	109-99-9	72.10	20.0	59.0	ND	ND		100	WG1986949
Toluene	108-88-3	92.10	50.0	188	ND	ND		100	WG1986949
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1986949

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

Collected date/time: 01/09/23 16:08
L1574901

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	20.0	109	ND	ND		100	WG1986949
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1986949
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1986949
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1986949
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	ND	ND		100	WG1986949
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	ND	ND		100	WG1986949
Vinyl chloride	75-01-4	62.50	20.0	51.1	ND	ND		100	WG1986949
Vinyl Bromide	593-60-2	106.95	20.0	87.5	ND	ND		100	WG1986949
Vinyl acetate	108-05-4	86.10	20.0	70.4	ND	ND		100	WG1986949
m&p-Xylene	1330-20-7	106	40.0	173	ND	ND		100	WG1986949
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1986949
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	ND	ND		100	WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.9*				WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*104*				WG1988349

Sample Narrative:

L1574901-03 WG1988349: Target compounds too high to run at a lower dilution.

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	125	297	ND	ND		100	WG1986949
Allyl chloride	107-05-1	76.53	20.0	62.6	ND	ND	J4	100	WG1986949
Benzene	71-43-2	78.10	20.0	63.9	ND	ND		100	WG1986949
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1986949
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1986949
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1986949
Bromomethane	74-83-9	94.90	20.0	77.6	ND	ND		100	WG1986949
1,3-Butadiene	106-99-0	54.10	200	443	ND	ND		100	WG1986949
Carbon disulfide	75-15-0	76.10	20.0	62.2	ND	ND		100	WG1986949
Carbon tetrachloride	56-23-5	154	20.0	126	ND	ND		100	WG1986949
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1986949
Chloroethane	75-00-3	64.50	20.0	52.8	ND	ND		100	WG1986949
Chloroform	67-66-3	119	20.0	97.3	ND	ND		100	WG1986949
Chloromethane	74-87-3	50.50	20.0	41.3	31.3	64.6		100	WG1986949
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1986949
Cyclohexane	110-82-7	84.20	20.0	68.9	592	2040		100	WG1986949
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1986949
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1986949
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1986949
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1986949
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1986949
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1986949
1,1-Dichloroethane	75-34-3	98	20.0	80.2	ND	ND		100	WG1986949
1,1-Dichloroethene	75-35-4	96.90	20.0	79.3	ND	ND		100	WG1986949
cis-1,2-Dichloroethene	156-59-2	96.90	20.0	79.3	ND	ND		100	WG1986949
trans-1,2-Dichloroethene	156-60-5	96.90	20.0	79.3	ND	ND		100	WG1988349
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1986949
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1986949
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1986949
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1986949
Ethanol	64-17-5	46.10	125	236	1460	2750		100	WG1986949
Ethylbenzene	100-41-4	106	20.0	86.7	ND	ND		100	WG1986949
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1986949
Trichlorofluoromethane	75-69-4	137.40	20.0	112	ND	ND		100	WG1986949
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG1986949
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	20.0	153	ND	ND		100	WG1986949
1,2-Dichlorotetrafluoroethane	76-14-2	171	20.0	140	ND	ND		100	WG1986949
Heptane	142-82-5	100	20.0	81.8	917	3750		100	WG1986949
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1986949
n-Hexane	110-54-3	86.20	63.0	222	4540	16000		100	WG1986949
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1986949
Methylene Chloride	75-09-2	84.90	20.0	69.4	22.8	79.2		100	WG1986949
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1986949
2-Butanone (MEK)	78-93-3	72.10	125	369	ND	ND		100	WG1986949
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1986949
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1986949
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1986949
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1986949
2-Propanol	67-63-0	60.10	125	307	2780	6830		100	WG1986949
Propene	115-07-1	42.10	125	215	ND	ND		100	WG1986949
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1986949
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1986949
Tetrachloroethylene	127-18-4	166	20.0	136	ND	ND		100	WG1986949
Tetrahydrofuran	109-99-9	72.10	20.0	59.0	ND	ND		100	WG1986949
Toluene	108-88-3	92.10	50.0	188	ND	ND		100	WG1986949
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1986949

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

Collected date/time: 01/09/23 17:06
L1574901

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	20.0	109	ND	ND		100	WG1986949
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1986949
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1986949
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1986949
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	ND	ND		100	WG1986949
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	ND	ND		100	WG1986949
Vinyl chloride	75-01-4	62.50	20.0	51.1	ND	ND		100	WG1986949
Vinyl Bromide	593-60-2	106.95	20.0	87.5	ND	ND		100	WG1986949
Vinyl acetate	108-05-4	86.10	20.0	70.4	ND	ND		100	WG1986949
m&p-Xylene	1330-20-7	106	40.0	173	ND	ND		100	WG1986949
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1986949
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	32600	135000	B	100	WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.6*				WG1986949
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG1988349

Sample Narrative:

L1574901-04 WG1988349: Target compounds too high to run at a lower dilution.

Method Blank (MB)

(MB) R3880313-3 01/11/23 12:29

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
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

Method Blank (MB)

(MB) R3880313-3 01/11/23 12:29

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	58.5	J	39.7	200
(S) 1,4-Bromofluorobenzene	*90.5*			*60.0-140*

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

(LCS) R3880313-1 01/11/23 11:23 • (LCSD) R3880313-2 01/11/23 11:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	2.73	2.97	72.8	79.2	70.0-130			8.42	25
Allyl Chloride	3.75	2.60	2.55	69.3	68.0	70.0-130	J4	J4	1.94	25
Benzene	3.75	3.38	3.37	90.1	89.9	70.0-130			0.296	25
Benzyl Chloride	3.75	3.01	2.96	80.3	78.9	70.0-152			1.68	25
Bromodichloromethane	3.75	3.34	3.34	89.1	89.1	70.0-130			0.000	25

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

(LCS) R3880313-1 01/11/23 11:23 • (LCSD) R3880313-2 01/11/23 11:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	3.75	3.51	3.53	93.6	94.1	70.0-130			0.568	25
Bromomethane	3.75	3.03	3.02	80.8	80.5	70.0-130			0.331	25
1,3-Butadiene	3.75	2.75	2.75	73.3	73.3	70.0-130			0.000	25
Carbon disulfide	3.75	2.74	2.69	73.1	71.7	70.0-130			1.84	25
Carbon tetrachloride	3.75	3.25	3.25	86.7	86.7	70.0-130			0.000	25
Chlorobenzene	3.75	3.35	3.36	89.3	89.6	70.0-130			0.298	25
Chloroethane	3.75	2.78	2.74	74.1	73.1	70.0-130			1.45	25
Chloroform	3.75	3.28	3.26	87.5	86.9	70.0-130			0.612	25
Chloromethane	3.75	2.80	2.78	74.7	74.1	70.0-130			0.717	25
2-Chlorotoluene	3.75	3.51	3.56	93.6	94.9	70.0-130			1.41	25
Cyclohexane	3.75	3.20	3.18	85.3	84.8	70.0-130			0.627	25
Dibromochloromethane	3.75	3.28	3.27	87.5	87.2	70.0-130			0.305	25
1,2-Dibromoethane	3.75	3.37	3.34	89.9	89.1	70.0-130			0.894	25
1,2-Dichlorobenzene	3.75	3.55	3.58	94.7	95.5	70.0-130			0.842	25
1,3-Dichlorobenzene	3.75	3.72	3.68	99.2	98.1	70.0-130			1.08	25
1,4-Dichlorobenzene	3.75	3.71	3.75	98.9	100	70.0-130			1.07	25
1,2-Dichloroethane	3.75	3.43	3.43	91.5	91.5	70.0-130			0.000	25
1,1-Dichloroethane	3.75	3.34	3.33	89.1	88.8	70.0-130			0.300	25
1,1-Dichloroethene	3.75	2.88	2.82	76.8	75.2	70.0-130			2.11	25
cis-1,2-Dichloroethene	3.75	3.35	3.30	89.3	88.0	70.0-130			1.50	25
1,2-Dichloropropane	3.75	3.27	3.25	87.2	86.7	70.0-130			0.613	25
cis-1,3-Dichloropropene	3.75	3.18	3.15	84.8	84.0	70.0-130			0.948	25
trans-1,3-Dichloropropene	3.75	3.18	3.12	84.8	83.2	70.0-130			1.90	25
1,4-Dioxane	3.75	3.42	3.38	91.2	90.1	70.0-140			1.18	25
Ethanol	3.75	2.81	2.69	74.9	71.7	55.0-148			4.36	25
Ethylbenzene	3.75	3.47	3.47	92.5	92.5	70.0-130			0.000	25
4-Ethyltoluene	3.75	3.52	3.52	93.9	93.9	70.0-130			0.000	25
Trichlorofluoromethane	3.75	3.08	3.05	82.1	81.3	70.0-130			0.979	25
Dichlorodifluoromethane	3.75	2.95	2.91	78.7	77.6	64.0-139			1.37	25
1,1,2-Trichlorotrifluoroethane	3.75	2.85	2.82	76.0	75.2	70.0-130			1.06	25
1,2-Dichlorotetrafluoroethane	3.75	3.00	3.01	80.0	80.3	70.0-130			0.333	25
Heptane	3.75	3.26	3.25	86.9	86.7	70.0-130			0.307	25
Hexachloro-1,3-butadiene	3.75	3.47	3.45	92.5	92.0	70.0-151			0.578	25
n-Hexane	3.75	3.24	3.22	86.4	85.9	70.0-130			0.619	25
Isopropylbenzene	3.75	3.43	3.45	91.5	92.0	70.0-130			0.581	25
Methylene Chloride	3.75	2.75	2.71	73.3	72.3	70.0-130			1.47	25
Methyl Butyl Ketone	3.75	3.19	3.19	85.1	85.1	70.0-149			0.000	25
Methyl Ethyl Ketone	3.75	3.18	3.18	84.8	84.8	70.0-130			0.000	25
4-Methyl-2-pentanone (MIBK)	3.75	3.37	3.33	89.9	88.8	70.0-139			1.19	25
Methyl Methacrylate	3.75	3.23	3.20	86.1	85.3	70.0-130			0.933	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) R3880313-1 01/11/23 11:23 • (LCSD) R3880313-2 01/11/23 11:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
MTBE	3.75	3.16	3.10	84.3	82.7	70.0-130			1.92	25
Naphthalene	3.75	3.35	3.28	89.3	87.5	70.0-159			2.11	25
2-Propanol	3.75	2.74	2.67	73.1	71.2	70.0-139			2.59	25
Propene	3.75	3.37	3.33	89.9	88.8	64.0-144			1.19	25
Styrene	3.75	3.51	3.49	93.6	93.1	70.0-130			0.571	25
1,1,2,2-Tetrachloroethane	3.75	3.52	3.55	93.9	94.7	70.0-130			0.849	25
Tetrachloroethylene	3.75	3.42	3.38	91.2	90.1	70.0-130			1.18	25
Tetrahydrofuran	3.75	3.16	3.10	84.3	82.7	70.0-137			1.92	25
Toluene	3.75	3.33	3.33	88.8	88.8	70.0-130			0.000	25
1,2,4-Trichlorobenzene	3.75	3.13	3.04	83.5	81.1	70.0-160			2.92	25
1,1,1-Trichloroethane	3.75	3.22	3.20	85.9	85.3	70.0-130			0.623	25
1,1,2-Trichloroethane	3.75	3.37	3.36	89.9	89.6	70.0-130			0.297	25
Trichloroethylene	3.75	3.43	3.38	91.5	90.1	70.0-130			1.47	25
1,2,4-Trimethylbenzene	3.75	3.53	3.55	94.1	94.7	70.0-130			0.565	25
1,3,5-Trimethylbenzene	3.75	3.54	3.53	94.4	94.1	70.0-130			0.283	25
2,2,4-Trimethylpentane	3.75	3.24	3.20	86.4	85.3	70.0-130			1.24	25
Vinyl chloride	3.75	2.92	2.90	77.9	77.3	70.0-130			0.687	25
Vinyl Bromide	3.75	3.11	3.04	82.9	81.1	70.0-130			2.28	25
Vinyl acetate	3.75	2.97	2.93	79.2	78.1	70.0-130			1.36	25
m&p-Xylene	7.50	7.22	7.17	96.3	95.6	70.0-130			0.695	25
o-Xylene	3.75	3.52	3.50	93.9	93.3	70.0-130			0.570	25
TPH (GC/MS) Low Fraction	203	222	223	109	110	70.0-130			0.449	25
(S) 1,4-Bromofluorobenzene				*96.3*	*98.1*	*60.0-140*				

Method Blank (MB)

(MB) R3881018-3 01/13/23 11:50

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
Cyclohexane	U		0.0753	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Ethanol	U		0.265	1.25
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
Methylene Chloride	U		0.0979	0.200
2-Butanone (MEK)	U		0.0814	1.25
MTBE	U		0.0647	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Tetrahydrofuran	U		0.0734	0.200
1,1,1-Trichloroethane	U		0.0736	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
(S) 1,4-Bromofluorobenzene	*96.5*			*60.0-140*

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

(LCS) R3881018-1 01/13/23 10:48 • (LCSD) R3881018-2 01/13/23 11:20

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.57	4.07	95.2	109	70.0-130			13.1	25
Allyl Chloride	3.75	3.74	3.66	99.7	97.6	70.0-130			2.16	25
Bromomethane	3.75	3.73	3.73	99.5	99.5	70.0-130			0.000	25
1,3-Butadiene	3.75	3.68	3.69	98.1	98.4	70.0-130			0.271	25
Carbon disulfide	3.75	3.92	3.88	105	103	70.0-130			1.03	25
Carbon tetrachloride	3.75	3.85	3.80	103	101	70.0-130			1.31	25
Chloroethane	3.75	3.71	3.72	98.9	99.2	70.0-130			0.269	25
Chloroform	3.75	3.85	3.84	103	102	70.0-130			0.260	25
Chloromethane	3.75	3.73	3.72	99.5	99.2	70.0-130			0.268	25
Cyclohexane	3.75	3.86	3.81	103	102	70.0-130			1.30	25
1,1-Dichloroethane	3.75	3.78	3.74	101	99.7	70.0-130			1.06	25
1,1-Dichloroethene	3.75	3.93	3.89	105	104	70.0-130			1.02	25
cis-1,2-Dichloroethene	3.75	3.80	3.80	101	101	70.0-130			0.000	25
trans-1,2-Dichloroethene	3.75	3.87	3.87	103	103	70.0-130			0.000	25
Ethanol	3.75	3.62	3.59	96.5	95.7	55.0-148			0.832	25
Trichlorofluoromethane	3.75	3.83	3.80	102	101	70.0-130			0.786	25
Dichlorodifluoromethane	3.75	3.84	3.82	102	102	64.0-139			0.522	25
1,1,2-Trichlorotrifluoroethane	3.75	3.90	3.86	104	103	70.0-130			1.03	25
1,2-Dichlorotetrafluoroethane	3.75	3.89	3.88	104	103	70.0-130			0.257	25
Heptane	3.75	3.89	3.90	104	104	70.0-130			0.257	25
Methylene Chloride	3.75	3.86	3.76	103	100	70.0-130			2.62	25
Methyl Ethyl Ketone	3.75	3.80	3.79	101	101	70.0-130			0.264	25
MTBE	3.75	3.78	3.76	101	100	70.0-130			0.531	25
2-Propanol	3.75	3.64	3.67	97.1	97.9	70.0-139			0.821	25
Propene	3.75	3.68	3.71	98.1	98.9	64.0-144			0.812	25
Tetrahydrofuran	3.75	3.68	3.68	98.1	98.1	70.0-137			0.000	25
1,1,1-Trichloroethane	3.75	3.79	3.74	101	99.7	70.0-130			1.33	25
2,2,4-Trimethylpentane	3.75	3.86	3.84	103	102	70.0-130			0.519	25
Vinyl chloride	3.75	3.84	3.73	102	99.5	70.0-130			2.91	25
Vinyl Bromide	3.75	3.83	3.78	102	101	70.0-130			1.31	25
Vinyl acetate	3.75	3.72	3.62	99.2	96.5	70.0-130			2.72	25
(S) 1,4-Bromofluorobenzene				*102*	*102*	*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) R3881187-3 01/15/23 10:41

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
n-Hexane	U		0.206	0.630
(S) 1,4-Bromofluorobenzene	*100*			*60.0-140*

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

(LCS) R3881187-1 01/15/23 09:27 • (LCSD) R3881187-2 01/15/23 10:05

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Hexane	3.75	4.07	4.30	109	115	70.0-130			5.50	25
(S) 1,4-Bromofluorobenzene				*100*	*102*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	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 [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	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 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

Company Name/Address:
Ensolum, LLC

601 Marienfeld #400
Midland, TX 79701

Billing Information:
Accounts Payable
2351 W Northwest Hwy. Ste. 1203
Dallas, TX 75220

Pres Chk

Report to: **Beaux Jennings**

Email To: **bjennings@ensolum.com**

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): Shane Diller

Site/Facility ID # 03B1417001

P.O. # 03B1417001

Collected by (signature):

Immediately Packed on Ice N __X__ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
__X__ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa									Remarks	Sample # (lab only)
Levey Well	G	Air	—	1-9-23	1110	1	X										-01
Levey Well	G	Air	—	1-9-23	1507	1	X										-02
Levey Well	G	Air	—	1-9-23	1608	1	X										-03
Levey Well	G	Air	—	1-9-23	1706	1	X										-04

WFE 1-9-23

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical®
National Center for Testing & Innovation

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 # L1574901

Ta 1056

Acctnum: ENSOLUMMTX

Template: **T180734**

Prelogin: **P827709**

PM: **134 - Mark W. Beasley**

PB:

Shipped Via:

* 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 #

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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	If preservation required by Login: Date/Time
Relinquished by : (Signature)	1/10/23	1030			
Relinquished by : (Signature)	1/10/23	1700	Fedex	Temp: Amb. °C Bottles Received: 1	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/11/23 Time: 0830	Hold: Condition: NCF / OK

ANALYTICAL REPORT

January 23, 2023

Ensolum, LLC

Sample Delivery Group:	L1577084
Samples Received:	01/18/2023
Project Number:	03B1417001
Description:	Levey Well
Site:	03B1417001
Report To:	Beaux Jennings 601 N Marienfeld Street, Ste. 400 Midland, TX 79701

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

LEVEY WELL L1577084-01 Air

			Collected by	Collected date/time	Received date/time
			Shane Diller	01/13/23 12:17	01/18/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1991336	100	01/20/23 00:25	01/20/23 00:25	CEP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1992097	2000	01/20/23 20:58	01/20/23 20:58	SDS	Mt. Juliet, TN

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

CASE NARRATIVE

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

Chad A Upchurch
Project Manager

Revised May 2010

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.

Chad A Upchurch

Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 01/23/2023 07:39
Project Name: Levey Well	Laboratory Job Number: L1577084-01
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1991336 and WG1992097

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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).

SW-846 Update IVB
Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 01/23/2023 07:39
Project Name: Levey Well	Laboratory Job Number: L1577084-01
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1991336 and WG1992097

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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				

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).

Revised May 2010

Laboratory Review Checklist: Exceptions Reports

Laboratory Name: Pace Analytical National	LRC Date: 01/23/2023 07:39
Project Name: Levey Well	Laboratory Job Number: L1577084-01
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1991336 and WG1992097

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

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).

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	125	297	4000	9510		100	WG1991336
Allyl chloride	107-05-1	76.53	20.0	62.6	ND	ND		100	WG1991336
Benzene	71-43-2	78.10	20.0	63.9	ND	ND		100	WG1991336
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1991336
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1991336
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1991336
Bromomethane	74-83-9	94.90	20.0	77.6	ND	ND		100	WG1991336
1,3-Butadiene	106-99-0	54.10	200	443	ND	ND		100	WG1991336
Carbon disulfide	75-15-0	76.10	20.0	62.2	30.7	95.6		100	WG1991336
Carbon tetrachloride	56-23-5	154	20.0	126	ND	ND		100	WG1991336
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1991336
Chloroethane	75-00-3	64.50	20.0	52.8	ND	ND		100	WG1991336
Chloroform	67-66-3	119	20.0	97.3	ND	ND		100	WG1991336
Chloromethane	74-87-3	50.50	20.0	41.3	ND	ND		100	WG1991336
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1991336
Cyclohexane	110-82-7	84.20	400	1380	12600	43400		2000	WG1992097
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1991336
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1991336
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1991336
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1991336
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1991336
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1991336
1,1-Dichloroethane	75-34-3	98	20.0	80.2	ND	ND		100	WG1991336
1,1-Dichloroethene	75-35-4	96.90	20.0	79.3	ND	ND		100	WG1991336
cis-1,2-Dichloroethene	156-59-2	96.90	20.0	79.3	ND	ND		100	WG1991336
trans-1,2-Dichloroethene	156-60-5	96.90	20.0	79.3	ND	ND		100	WG1991336
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1991336
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1991336
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1991336
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1991336
Ethanol	64-17-5	46.10	125	236	2590	4880		100	WG1991336
Ethylbenzene	100-41-4	106	20.0	86.7	ND	ND		100	WG1991336
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1991336
Trichlorofluoromethane	75-69-4	137.40	20.0	112	ND	ND		100	WG1991336
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG1991336
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	20.0	153	ND	ND		100	WG1991336
1,2-Dichlorotetrafluoroethane	76-14-2	171	20.0	140	ND	ND		100	WG1991336
Heptane	142-82-5	100	20.0	81.8	ND	ND		100	WG1991336
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1991336
n-Hexane	110-54-3	86.20	1260	4440	68300	241000		2000	WG1992097
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1991336
Methylene Chloride	75-09-2	84.90	20.0	69.4	ND	ND		100	WG1991336
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1991336
2-Butanone (MEK)	78-93-3	72.10	125	369	1110	3270		100	WG1991336
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1991336
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1991336
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1991336
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1991336
2-Propanol	67-63-0	60.10	125	307	5400	13300		100	WG1991336
Propene	115-07-1	42.10	125	215	ND	ND		100	WG1991336
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1991336
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1991336
Tetrachloroethylene	127-18-4	166	20.0	136	ND	ND		100	WG1991336
Tetrahydrofuran	109-99-9	72.10	20.0	59.0	ND	ND		100	WG1991336
Toluene	108-88-3	92.10	50.0	188	ND	ND		100	WG1991336
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1991336

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

LEVEL WELL
Collected date/time: 01/13/23 12:17
L1577084

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	20.0	109	ND	ND		100	WG1991336
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1991336
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1991336
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1991336
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	ND	ND		100	WG1991336
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	ND	ND		100	WG1991336
Vinyl chloride	75-01-4	62.50	20.0	51.1	ND	ND		100	WG1991336
Vinyl Bromide	593-60-2	106.95	20.0	87.5	ND	ND		100	WG1991336
Vinyl acetate	108-05-4	86.10	20.0	70.4	ND	ND		100	WG1991336
m&p-Xylene	1330-20-7	106	40.0	173	ND	ND		100	WG1991336
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1991336
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	366000	1510000		100	WG1991336
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*104*				WG1991336
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.1*				WG1992097

Method Blank (MB)

(MB) R3882870-3 01/19/23 10:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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
Ethanol	U		0.265	1.25
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

Method Blank (MB)

(MB) R3882870-3 01/19/23 10:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	*103*			*60.0-140*

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

(LCS) R3882870-1 01/19/23 08:49 • (LCSD) R3882870-2 01/19/23 09:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.47	3.54	92.5	94.4	70.0-130			2.00	25
Allyl Chloride	3.75	3.89	3.92	104	105	70.0-130			0.768	25
Benzene	3.75	3.79	3.84	101	102	70.0-130			1.31	25
Benzyl Chloride	3.75	4.17	4.26	111	114	70.0-152			2.14	25
Bromodichloromethane	3.75	3.66	3.73	97.6	99.5	70.0-130			1.89	25
Bromoform	3.75	3.86	3.92	103	105	70.0-130			1.54	25

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

(LCS) R3882870-1 01/19/23 08:49 • (LCSD) R3882870-2 01/19/23 09:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	3.75	3.10	3.14	82.7	83.7	70.0-130			1.28	25
1,3-Butadiene	3.75	3.12	3.15	83.2	84.0	70.0-130			0.957	25
Carbon disulfide	3.75	3.94	4.03	105	107	70.0-130			2.26	25
Carbon tetrachloride	3.75	3.84	3.94	102	105	70.0-130			2.57	25
Chlorobenzene	3.75	3.62	3.68	96.5	98.1	70.0-130			1.64	25
Chloroethane	3.75	3.36	3.47	89.6	92.5	70.0-130			3.22	25
Chloroform	3.75	3.82	3.89	102	104	70.0-130			1.82	25
Chloromethane	3.75	3.51	3.53	93.6	94.1	70.0-130			0.568	25
2-Chlorotoluene	3.75	3.91	3.97	104	106	70.0-130			1.52	25
Dibromochloromethane	3.75	3.63	3.68	96.8	98.1	70.0-130			1.37	25
1,2-Dibromoethane	3.75	3.78	3.83	101	102	70.0-130			1.31	25
1,2-Dichlorobenzene	3.75	3.76	3.82	100	102	70.0-130			1.58	25
1,3-Dichlorobenzene	3.75	3.79	3.79	101	101	70.0-130			0.000	25
1,4-Dichlorobenzene	3.75	3.80	3.85	101	103	70.0-130			1.31	25
1,2-Dichloroethane	3.75	3.65	3.73	97.3	99.5	70.0-130			2.17	25
1,1-Dichloroethane	3.75	3.93	3.97	105	106	70.0-130			1.01	25
1,1-Dichloroethene	3.75	3.90	4.00	104	107	70.0-130			2.53	25
cis-1,2-Dichloroethene	3.75	4.03	4.08	107	109	70.0-130			1.23	25
trans-1,2-Dichloroethene	3.75	3.98	4.06	106	108	70.0-130			1.99	25
1,2-Dichloropropane	3.75	3.67	3.70	97.9	98.7	70.0-130			0.814	25
cis-1,3-Dichloropropene	3.75	4.03	4.02	107	107	70.0-130			0.248	25
trans-1,3-Dichloropropene	3.75	4.07	4.09	109	109	70.0-130			0.490	25
1,4-Dioxane	3.75	3.91	3.95	104	105	70.0-140			1.02	25
Ethanol	3.75	3.64	3.73	97.1	99.5	55.0-148			2.44	25
Ethylbenzene	3.75	4.00	4.04	107	108	70.0-130			0.995	25
4-Ethyltoluene	3.75	4.13	4.14	110	110	70.0-130			0.242	25
Trichlorofluoromethane	3.75	2.85	2.91	76.0	77.6	70.0-130			2.08	25
Dichlorodifluoromethane	3.75	3.54	3.57	94.4	95.2	64.0-139			0.844	25
1,1,2-Trichlorotrifluoroethane	3.75	3.80	3.88	101	103	70.0-130			2.08	25
1,2-Dichlorotetrafluoroethane	3.75	3.87	3.87	103	103	70.0-130			0.000	25
Heptane	3.75	3.83	3.90	102	104	70.0-130			1.81	25
Hexachloro-1,3-butadiene	3.75	3.92	3.98	105	106	70.0-151			1.52	25
Isopropylbenzene	3.75	4.27	4.32	114	115	70.0-130			1.16	25
Methylene Chloride	3.75	3.58	3.59	95.5	95.7	70.0-130			0.279	25
Methyl Butyl Ketone	3.75	3.83	3.84	102	102	70.0-149			0.261	25
Methyl Ethyl Ketone	3.75	4.07	4.12	109	110	70.0-130			1.22	25
4-Methyl-2-pentanone (MIBK)	3.75	3.76	3.79	100	101	70.0-139			0.795	25
Methyl Methacrylate	3.75	3.97	4.04	106	108	70.0-130			1.75	25
MTBE	3.75	4.32	4.43	115	118	70.0-130			2.51	25
Naphthalene	3.75	4.08	4.16	109	111	70.0-159			1.94	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) R3882870-1 01/19/23 08:49 • (LCSD) R3882870-2 01/19/23 09:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Propanol	3.75	3.87	3.96	103	106	70.0-139			2.30	25
Propene	3.75	3.63	3.66	96.8	97.6	64.0-144			0.823	25
Styrene	3.75	4.18	4.24	111	113	70.0-130			1.43	25
1,1,2,2-Tetrachloroethane	3.75	3.74	3.76	99.7	100	70.0-130			0.533	25
Tetrachloroethylene	3.75	3.75	3.78	100	101	70.0-130			0.797	25
Tetrahydrofuran	3.75	3.85	3.91	103	104	70.0-137			1.55	25
Toluene	3.75	3.97	4.00	106	107	70.0-130			0.753	25
1,2,4-Trichlorobenzene	3.75	3.94	4.03	105	107	70.0-160			2.26	25
1,1,1-Trichloroethane	3.75	3.91	4.01	104	107	70.0-130			2.53	25
1,1,2-Trichloroethane	3.75	3.70	3.75	98.7	100	70.0-130			1.34	25
Trichloroethylene	3.75	3.79	3.83	101	102	70.0-130			1.05	25
1,2,4-Trimethylbenzene	3.75	4.18	4.25	111	113	70.0-130			1.66	25
1,3,5-Trimethylbenzene	3.75	4.06	4.13	108	110	70.0-130			1.71	25
2,2,4-Trimethylpentane	3.75	4.25	4.33	113	115	70.0-130			1.86	25
Vinyl chloride	3.75	3.52	3.58	93.9	95.5	70.0-130			1.69	25
Vinyl Bromide	3.75	2.89	2.94	77.1	78.4	70.0-130			1.72	25
Vinyl acetate	3.75	3.91	3.97	104	106	70.0-130			1.52	25
m&p-Xylene	7.50	8.35	8.43	111	112	70.0-130			0.954	25
o-Xylene	3.75	4.36	4.37	116	117	70.0-130			0.229	25
TPH (GC/MS) Low Fraction	203	218	219	107	108	70.0-130			0.458	25
(S) 1,4-Bromofluorobenzene				*105*	*105*	*60.0-140*				

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

Method Blank (MB)

(MB) R3882974-3 01/20/23 09:44

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Cyclohexane	U		0.0753	0.200
n-Hexane	U		0.206	0.630
(S) 1,4-Bromofluorobenzene	*96.1*			*60.0-140*

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

(LCS) R3882974-1 01/20/23 08:41 • (LCSD) R3882974-2 01/20/23 09:14

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyclohexane	3.75	3.92	4.01	105	107	70.0-130			2.27	25
n-Hexane	3.75	4.03	4.15	107	111	70.0-130			2.93	25
(S) 1,4-Bromofluorobenzene				*100*	*104*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 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
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	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 [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	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 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

Chain of Custody — Page 1 of 1

Pace Analytical® — National Center for Testing & Innovation

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 # L1577084

C118

Company Name/Address:
Ensolum, LLC

601 Marienfeld #400
Midland, TX 79701

Billing Information:
Accounts Payable
2351 W Northwest Hwy. Ste. 1203
Dallas, TX 75220

Pres Chk

Email To: **bjennings@ensolum.com**

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):
Shane Diller

Site/Facility ID #
03B1417001

P.O. #
03B1417001

Collected by (signature):

Immediately Packed on Ice N X Y

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
X Three Day

Quote #

Date Results Needed

Acctnum: **ENSOLUMMTX**
Template: **T180734**
Prelogin: **P827709**
PM: **134 - Mark W. Beasley**
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Remarks	Sample # (lab only)
Levey Well	G	Air		1-13-23	1217	1	X		-01

NFE 1-13-23

* 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 #

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:	Time:	Received by: (Signature)
	1/17/23	1030	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/17/23	1700	FedEx
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: AMB °C Bottles Received: 1

Date: 1.18.23 Time: 0830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

January 27, 2023

Ensolum, LLC

Sample Delivery Group:	L1578612
Samples Received:	01/24/2023
Project Number:	03B1417001
Description:	Levey Well
Site:	03B1417001
Report To:	Beaux Jennings 601 N Marienfeld Street, Ste. 400 Midland, TX 79701

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

LEVEY WELL L1578612-01 Air

			Collected by	Collected date/time	Received date/time
			Shane Diller	01/19/23 11:54	01/24/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1994508	100	01/25/23 22:04	01/25/23 22:04	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1995213	5000	01/26/23 13:56	01/26/23 13:56	DAH	Mt. Juliet, TN

CASE NARRATIVE

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

Chad A Upchurch
Project Manager

Revised May 2010

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.

Chad A Upchurch
Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 01/27/2023 09:21
Project Name: Levey Well	Laboratory Job Number: L1578612-01
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1994508 and WG1995213

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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).

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 01/27/2023 09:21
Project Name: Levey Well	Laboratory Job Number: L1578612-01
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1994508 and WG1995213

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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				

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).

Revised May 2010

Laboratory Review Checklist: Exceptions Reports

Laboratory Name: Pace Analytical National	LRC Date: 01/27/2023 09:21
Project Name: Levey Well	Laboratory Job Number: L1578612-01
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1994508 and WG1995213

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

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).

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	6250	14900	14800	35200		5000	WG1995213
Allyl chloride	107-05-1	76.53	20.0	62.6	ND	ND		100	WG1994508
Benzene	71-43-2	78.10	20.0	63.9	154	492		100	WG1994508
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1994508
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1994508
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1994508
Bromomethane	74-83-9	94.90	20.0	77.6	ND	ND		100	WG1994508
1,3-Butadiene	106-99-0	54.10	200	443	ND	ND		100	WG1994508
Carbon disulfide	75-15-0	76.10	20.0	62.2	103	321		100	WG1994508
Carbon tetrachloride	56-23-5	154	20.0	126	ND	ND		100	WG1994508
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1994508
Chloroethane	75-00-3	64.50	20.0	52.8	ND	ND		100	WG1994508
Chloroform	67-66-3	119	20.0	97.3	ND	ND		100	WG1994508
Chloromethane	74-87-3	50.50	20.0	41.3	ND	ND		100	WG1994508
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1994508
Cyclohexane	110-82-7	84.20	1000	3440	183000	630000		5000	WG1995213
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1994508
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1994508
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1994508
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1994508
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1994508
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1994508
1,1-Dichloroethane	75-34-3	98	20.0	80.2	ND	ND		100	WG1994508
1,1-Dichloroethene	75-35-4	96.90	20.0	79.3	ND	ND		100	WG1994508
cis-1,2-Dichloroethene	156-59-2	96.90	20.0	79.3	ND	ND		100	WG1994508
trans-1,2-Dichloroethene	156-60-5	96.90	20.0	79.3	ND	ND		100	WG1994508
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1994508
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1994508
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1994508
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1994508
Ethanol	64-17-5	46.10	125	236	3540	6670		100	WG1994508
Ethylbenzene	100-41-4	106	20.0	86.7	27.6	120		100	WG1994508
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1994508
Trichlorofluoromethane	75-69-4	137.40	20.0	112	ND	ND		100	WG1994508
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG1994508
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	20.0	153	ND	ND		100	WG1994508
1,2-Dichlorotetrafluoroethane	76-14-2	171	20.0	140	ND	ND		100	WG1994508
Heptane	142-82-5	100	1000	4090	17700	72400		5000	WG1995213
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1994508
n-Hexane	110-54-3	86.20	3150	11100	200000	705000		5000	WG1995213
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1994508
Methylene Chloride	75-09-2	84.90	20.0	69.4	516	1790		100	WG1994508
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1994508
2-Butanone (MEK)	78-93-3	72.10	125	369	962	2840		100	WG1994508
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1994508
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1994508
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1994508
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1994508
2-Propanol	67-63-0	60.10	125	307	4810	11800		100	WG1994508
Propene	115-07-1	42.10	125	215	ND	ND		100	WG1994508
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1994508
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1994508
Tetrachloroethylene	127-18-4	166	20.0	136	23.9	162		100	WG1994508
Tetrahydrofuran	109-99-9	72.10	20.0	59.0	ND	ND		100	WG1994508
Toluene	108-88-3	92.10	50.0	188	321	1210		100	WG1994508
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1994508

LEVEL WELL
Collected date/time: 01/19/23 11:54
L1578612

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	20.0	109	ND	ND		100	WG1994508
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1994508
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1994508
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1994508
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	ND	ND		100	WG1994508
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	ND	ND		100	WG1994508
Vinyl chloride	75-01-4	62.50	20.0	51.1	ND	ND		100	WG1994508
Vinyl Bromide	593-60-2	106.95	20.0	87.5	ND	ND		100	WG1994508
Vinyl acetate	108-05-4	86.10	20.0	70.4	ND	ND		100	WG1994508
m&p-Xylene	1330-20-7	106	40.0	173	58.2	252		100	WG1994508
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1994508
TPH (GC/MS) Low Fraction	8006-61-9	101	1000000	4130000	1320000	5450000		5000	WG1995213
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.5*				WG1994508
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.4*				WG1995213

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

Method Blank (MB)

(MB) R3884357-3 01/25/23 10:03

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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
Ethanol	U		0.265	1.25
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

Method Blank (MB)

(MB) R3884357-3 01/25/23 10:03

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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
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
(S) 1,4-Bromofluorobenzene	*96.7*			*60.0-140*

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

(LCS) R3884357-1 01/25/23 09:05 • (LCSD) R3884357-2 01/25/23 09:35

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Allyl Chloride	3.75	3.86	4.02	103	107	70.0-130			4.06	25
Benzene	3.75	3.72	3.81	99.2	102	70.0-130			2.39	25
Benzyl Chloride	3.75	3.93	3.85	105	103	70.0-152			2.06	25
Bromodichloromethane	3.75	3.76	3.83	100	102	70.0-130			1.84	25
Bromoform	3.75	3.94	3.91	105	104	70.0-130			0.764	25
Bromomethane	3.75	3.83	3.93	102	105	70.0-130			2.58	25
1,3-Butadiene	3.75	3.84	3.92	102	105	70.0-130			2.06	25
Carbon disulfide	3.75	3.89	4.05	104	108	70.0-130			4.03	25
Carbon tetrachloride	3.75	3.80	3.82	101	102	70.0-130			0.525	25

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

(LCS) R3884357-1 01/25/23 09:05 • (LCSD) R3884357-2 01/25/23 09:35

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chlorobenzene	3.75	3.68	3.78	98.1	101	70.0-130			2.68	25
Chloroethane	3.75	3.82	3.94	102	105	70.0-130			3.09	25
Chloroform	3.75	3.79	3.84	101	102	70.0-130			1.31	25
Chloromethane	3.75	3.82	4.01	102	107	70.0-130			4.85	25
2-Chlorotoluene	3.75	3.93	3.97	105	106	70.0-130			1.01	25
Dibromochloromethane	3.75	3.80	3.87	101	103	70.0-130			1.83	25
1,2-Dibromoethane	3.75	3.77	3.86	101	103	70.0-130			2.36	25
1,2-Dichlorobenzene	3.75	3.99	3.99	106	106	70.0-130			0.000	25
1,3-Dichlorobenzene	3.75	4.00	3.99	107	106	70.0-130			0.250	25
1,4-Dichlorobenzene	3.75	4.06	4.03	108	107	70.0-130			0.742	25
1,2-Dichloroethane	3.75	3.70	3.79	98.7	101	70.0-130			2.40	25
1,1-Dichloroethane	3.75	3.76	3.87	100	103	70.0-130			2.88	25
1,1-Dichloroethene	3.75	3.88	3.88	103	103	70.0-130			0.000	25
cis-1,2-Dichloroethene	3.75	3.84	3.87	102	103	70.0-130			0.778	25
trans-1,2-Dichloroethene	3.75	3.85	4.02	103	107	70.0-130			4.32	25
1,2-Dichloropropane	3.75	3.69	3.79	98.4	101	70.0-130			2.67	25
cis-1,3-Dichloropropene	3.75	3.83	3.89	102	104	70.0-130			1.55	25
trans-1,3-Dichloropropene	3.75	3.86	3.92	103	105	70.0-130			1.54	25
1,4-Dioxane	3.75	3.57	3.57	95.2	95.2	70.0-140			0.000	25
Ethanol	3.75	3.64	3.80	97.1	101	55.0-148			4.30	25
Ethylbenzene	3.75	3.90	3.92	104	105	70.0-130			0.512	25
4-Ethyltoluene	3.75	4.07	4.08	109	109	70.0-130			0.245	25
Trichlorofluoromethane	3.75	3.80	3.94	101	105	70.0-130			3.62	25
Dichlorodifluoromethane	3.75	4.07	4.11	109	110	64.0-139			0.978	25
1,1,2-Trichlorotrifluoroethane	3.75	3.86	4.04	103	108	70.0-130			4.56	25
1,2-Dichlorotetrafluoroethane	3.75	3.90	4.04	104	108	70.0-130			3.53	25
Hexachloro-1,3-butadiene	3.75	3.98	4.00	106	107	70.0-151			0.501	25
Isopropylbenzene	3.75	3.93	3.94	105	105	70.0-130			0.254	25
Methylene Chloride	3.75	3.80	3.79	101	101	70.0-130			0.264	25
Methyl Butyl Ketone	3.75	3.79	3.86	101	103	70.0-149			1.83	25
Methyl Ethyl Ketone	3.75	3.88	3.93	103	105	70.0-130			1.28	25
4-Methyl-2-pentanone (MIBK)	3.75	3.86	3.93	103	105	70.0-139			1.80	25
Methyl Methacrylate	3.75	3.86	3.96	103	106	70.0-130			2.56	25
MTBE	3.75	3.77	3.87	101	103	70.0-130			2.62	25
Naphthalene	3.75	4.35	4.32	116	115	70.0-159			0.692	25
2-Propanol	3.75	3.59	3.71	95.7	98.9	70.0-139			3.29	25
Propene	3.75	3.91	3.91	104	104	64.0-144			0.000	25
Styrene	3.75	4.01	4.04	107	108	70.0-130			0.745	25
1,1,2,2-Tetrachloroethane	3.75	3.92	3.92	105	105	70.0-130			0.000	25
Tetrachloroethylene	3.75	3.72	3.79	99.2	101	70.0-130			1.86	25

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

(LCS) R3884357-1 01/25/23 09:05 • (LCSD) R3884357-2 01/25/23 09:35

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrahydrofuran	3.75	3.86	3.93	103	105	70.0-137			1.80	25
Toluene	3.75	3.76	3.89	100	104	70.0-130			3.40	25
1,2,4-Trichlorobenzene	3.75	4.08	4.06	109	108	70.0-160			0.491	25
1,1,1-Trichloroethane	3.75	3.78	3.82	101	102	70.0-130			1.05	25
1,1,2-Trichloroethane	3.75	3.68	3.80	98.1	101	70.0-130			3.21	25
Trichloroethylene	3.75	3.76	3.81	100	102	70.0-130			1.32	25
1,2,4-Trimethylbenzene	3.75	4.21	4.22	112	113	70.0-130			0.237	25
1,3,5-Trimethylbenzene	3.75	4.14	4.12	110	110	70.0-130			0.484	25
2,2,4-Trimethylpentane	3.75	3.83	3.92	102	105	70.0-130			2.32	25
Vinyl chloride	3.75	3.84	3.96	102	106	70.0-130			3.08	25
Vinyl Bromide	3.75	3.82	3.98	102	106	70.0-130			4.10	25
Vinyl acetate	3.75	3.32	3.16	88.5	84.3	70.0-130			4.94	25
m&p-Xylene	7.50	8.10	8.10	108	108	70.0-130			0.000	25
o-Xylene	3.75	4.06	4.04	108	108	70.0-130			0.494	25
(S) 1,4-Bromofluorobenzene				*99.6*	*97.9*	*60.0-140*				

Method Blank (MB)

(MB) R3884766-3 01/26/23 10:11

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Cyclohexane	U		0.0753	0.200
Heptane	U		0.104	0.200
n-Hexane	U		0.206	0.630
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	*98.8*			*60.0-140*

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

(LCS) R3884766-1 01/26/23 08:52 • (LCSD) R3884766-2 01/26/23 09:32

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.23	4.24	113	113	70.0-130			0.236	25
Cyclohexane	3.75	4.78	4.66	127	124	70.0-130			2.54	25
Heptane	3.75	4.79	4.82	128	129	70.0-130			0.624	25
n-Hexane	3.75	4.80	4.69	128	125	70.0-130			2.32	25
TPH (GC/MS) Low Fraction	203	253	250	125	123	70.0-130			1.19	25
(S) 1,4-Bromofluorobenzene				*99.6*	*99.7*	*60.0-140*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	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 [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	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 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

Company Name/Address:
Ensolum, LLC
601 Marienfeld #400
Midland, TX 79701

Billing Information:
Accounts Payable
2351 W Northwest Hwy. Ste. 1203
Dallas, TX 75220

Report to: **Beaux Jennings**

Email To: **bjennings@ensolum.com**

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): Shane Diller

Site/Facility ID # 03B1417001

P.O. # 03B1417001

Collected by (signature):

Immediately Packed on Ice N __X__ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
__X__ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa									Remarks	Sample # (lab only)
Levey Well	G	Air	—	1-19-23	1154	1	X										-01

Analysis / Container / Preservative

Pres Chk

Chain of Custody Page 1 of 1

Pace Analytical®
National Center for Testing & Innovation

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 # L1578612

K167

Acctnum: ENSOLUMMTX

Template: T180734

Prelogin: P827709

PM: 134 - Mark W. Beasley

PB:

Shipped Via:

* 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 #

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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	1/20	3:00pm		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				Amb. 1
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				1/24/23 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®

ANALYTICAL REPORT

January 30, 2023

Ensolum, LLC

Sample Delivery Group:	L1579035
Samples Received:	01/25/2023
Project Number:	03B1417001
Description:	Levey Well

Report To: Beaux Jennings
601 N Marienfeld Street, Ste. 400
Midland, TX 79701

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

LEVEY WELL L1579035-01 Air

Collected by: Shane Diller | Collected date/time: 01/23/23 11:11 | Received date/time: 01/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1995894	10000	01/27/23 22:11	01/27/23 22:11	DAH	Mt. Juliet, TN

LEVEY WELL L1579035-02 Air

Collected by: Shane Diller | Collected date/time: 01/23/23 13:20 | Received date/time: 01/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1995174	100	01/26/23 19:46	01/26/23 19:46	CEP	Mt. Juliet, TN

LEVEY WELL L1579035-03 Air

Collected by: Shane Diller | Collected date/time: 01/23/23 14:20 | Received date/time: 01/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1995174	100	01/26/23 20:14	01/26/23 20:14	CEP	Mt. Juliet, TN

LEVEY WELL L1579035-04 Air

Collected by: Shane Diller | Collected date/time: 01/23/23 15:20 | Received date/time: 01/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1995174	100	01/26/23 20:43	01/26/23 20:43	CEP	Mt. Juliet, TN

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

CASE NARRATIVE

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

Chad A Upchurch
Project Manager

Revised May 2010

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.

Chad A Upchurch

Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 01/30/2023 14:33
Project Name: Levey Well	Laboratory Job Number: L1579035-01, 02, 03 and 04
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1995174 and WG1995894

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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).

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 01/30/2023 14:33
Project Name: Levey Well	Laboratory Job Number: L1579035-01, 02, 03 and 04
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1995174 and WG1995894

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
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				

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).

Revised May 2010

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 01/30/2023 14:33
Project Name: Levey Well	Laboratory Job Number: L1579035-01, 02, 03 and 04
Reviewer Name: Chad A Upchurch	Prep Batch Number(s): WG1995174 and WG1995894

ER #[1]	Description
1	TO-15 WG1995174 L1579035-02: The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

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).

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	12500	29700	ND	ND		10000	WG1995894
Allyl chloride	107-05-1	76.53	2000	6260	ND	ND		10000	WG1995894
Benzene	71-43-2	78.10	2000	6390	ND	ND		10000	WG1995894
Benzyl Chloride	100-44-7	127	2000	10400	ND	ND		10000	WG1995894
Bromodichloromethane	75-27-4	164	2000	13400	ND	ND		10000	WG1995894
Bromoform	75-25-2	253	6000	62100	ND	ND		10000	WG1995894
Bromomethane	74-83-9	94.90	2000	7760	ND	ND		10000	WG1995894
1,3-Butadiene	106-99-0	54.10	20000	44300	ND	ND		10000	WG1995894
Carbon disulfide	75-15-0	76.10	2000	6220	ND	ND		10000	WG1995894
Carbon tetrachloride	56-23-5	154	2000	12600	ND	ND		10000	WG1995894
Chlorobenzene	108-90-7	113	2000	9240	ND	ND		10000	WG1995894
Chloroethane	75-00-3	64.50	2000	5280	ND	ND		10000	WG1995894
Chloroform	67-66-3	119	2000	9730	ND	ND		10000	WG1995894
Chloromethane	74-87-3	50.50	2000	4130	ND	ND		10000	WG1995894
2-Chlorotoluene	95-49-8	126	2000	10300	ND	ND		10000	WG1995894
Cyclohexane	110-82-7	84.20	2000	6890	141000	486000		10000	WG1995894
Dibromochloromethane	124-48-1	208	2000	17000	ND	ND		10000	WG1995894
1,2-Dibromoethane	106-93-4	188	2000	15400	ND	ND		10000	WG1995894
1,2-Dichlorobenzene	95-50-1	147	2000	12000	ND	ND		10000	WG1995894
1,3-Dichlorobenzene	541-73-1	147	2000	12000	ND	ND		10000	WG1995894
1,4-Dichlorobenzene	106-46-7	147	2000	12000	ND	ND		10000	WG1995894
1,2-Dichloroethane	107-06-2	99	2000	8100	ND	ND		10000	WG1995894
1,1-Dichloroethane	75-34-3	98	2000	8020	ND	ND		10000	WG1995894
1,1-Dichloroethene	75-35-4	96.90	2000	7930	ND	ND		10000	WG1995894
cis-1,2-Dichloroethene	156-59-2	96.90	2000	7930	ND	ND		10000	WG1995894
trans-1,2-Dichloroethene	156-60-5	96.90	2000	7930	ND	ND		10000	WG1995894
1,2-Dichloropropane	78-87-5	113	2000	9240	ND	ND		10000	WG1995894
cis-1,3-Dichloropropene	10061-01-5	111	2000	9080	ND	ND		10000	WG1995894
trans-1,3-Dichloropropene	10061-02-6	111	2000	9080	ND	ND		10000	WG1995894
1,4-Dioxane	123-91-1	88.10	2000	7210	ND	ND		10000	WG1995894
Ethanol	64-17-5	46.10	12500	23600	667000	1260000		10000	WG1995894
Ethylbenzene	100-41-4	106	2000	8670	ND	ND		10000	WG1995894
4-Ethyltoluene	622-96-8	120	2000	9820	ND	ND		10000	WG1995894
Trichlorofluoromethane	75-69-4	137.40	2000	11200	ND	ND		10000	WG1995894
Dichlorodifluoromethane	75-71-8	120.92	2000	9890	ND	ND		10000	WG1995894
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	2000	15300	ND	ND		10000	WG1995894
1,2-Dichlorotetrafluoroethane	76-14-2	171	2000	14000	ND	ND		10000	WG1995894
Heptane	142-82-5	100	2000	8180	26700	109000		10000	WG1995894
Hexachloro-1,3-butadiene	87-68-3	261	6300	67300	ND	ND		10000	WG1995894
n-Hexane	110-54-3	86.20	6300	22200	245000	864000		10000	WG1995894
Isopropylbenzene	98-82-8	120.20	2000	9830	ND	ND		10000	WG1995894
Methylene Chloride	75-09-2	84.90	2000	6940	5400	18800		10000	WG1995894
Methyl Butyl Ketone	591-78-6	100	12500	51100	ND	ND		10000	WG1995894
2-Butanone (MEK)	78-93-3	72.10	12500	36900	ND	ND		10000	WG1995894
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	12500	51200	ND	ND		10000	WG1995894
Methyl methacrylate	80-62-6	100.12	2000	8190	9990	40900		10000	WG1995894
MTBE	1634-04-4	88.10	2000	7210	ND	ND		10000	WG1995894
Naphthalene	91-20-3	128	6300	33000	ND	ND		10000	WG1995894
2-Propanol	67-63-0	60.10	12500	30700	623000	1530000		10000	WG1995894
Propene	115-07-1	42.10	12500	21500	ND	ND		10000	WG1995894
Styrene	100-42-5	104	2000	8510	ND	ND		10000	WG1995894
1,1,2,2-Tetrachloroethane	79-34-5	168	2000	13700	ND	ND		10000	WG1995894
Tetrachloroethylene	127-18-4	166	2000	13600	ND	ND		10000	WG1995894
Tetrahydrofuran	109-99-9	72.10	2000	5900	ND	ND		10000	WG1995894
Toluene	108-88-3	92.10	5000	18800	7230	27200		10000	WG1995894
1,2,4-Trichlorobenzene	120-82-1	181	6300	46600	ND	ND		10000	WG1995894

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

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	2000	10900	ND	ND		10000	WG1995894
1,1,2-Trichloroethane	79-00-5	133	2000	10900	ND	ND		10000	WG1995894
Trichloroethylene	79-01-6	131	2000	10700	ND	ND		10000	WG1995894
1,2,4-Trimethylbenzene	95-63-6	120	2000	9820	ND	ND		10000	WG1995894
1,3,5-Trimethylbenzene	108-67-8	120	2000	9820	ND	ND		10000	WG1995894
2,2,4-Trimethylpentane	540-84-1	114.22	2000	9340	ND	ND		10000	WG1995894
Vinyl chloride	75-01-4	62.50	2000	5110	ND	ND		10000	WG1995894
Vinyl Bromide	593-60-2	106.95	2000	8750	ND	ND		10000	WG1995894
Vinyl acetate	108-05-4	86.10	2000	7040	ND	ND		10000	WG1995894
m&p-Xylene	1330-20-7	106	4000	17300	ND	ND		10000	WG1995894
o-Xylene	95-47-6	106	2000	8670	ND	ND		10000	WG1995894
TPH (GC/MS) Low Fraction	8006-61-9	101	2000000	8260000	2980000	12300000	B	10000	WG1995894
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.8*				WG1995894

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	125	297	ND	ND		100	WG1995174
Allyl chloride	107-05-1	76.53	20.0	62.6	ND	ND		100	WG1995174
Benzene	71-43-2	78.10	20.0	63.9	ND	ND		100	WG1995174
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1995174
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1995174
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1995174
Bromomethane	74-83-9	94.90	20.0	77.6	ND	ND		100	WG1995174
1,3-Butadiene	106-99-0	54.10	200	443	ND	ND		100	WG1995174
Carbon disulfide	75-15-0	76.10	20.0	62.2	ND	ND		100	WG1995174
Carbon tetrachloride	56-23-5	154	20.0	126	ND	ND		100	WG1995174
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1995174
Chloroethane	75-00-3	64.50	20.0	52.8	ND	ND		100	WG1995174
Chloroform	67-66-3	119	20.0	97.3	ND	ND		100	WG1995174
Chloromethane	74-87-3	50.50	20.0	41.3	ND	ND		100	WG1995174
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1995174
Cyclohexane	110-82-7	84.20	20.0	68.9	513	1770		100	WG1995174
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1995174
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1995174
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1995174
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1995174
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1995174
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1995174
1,1-Dichloroethane	75-34-3	98	20.0	80.2	ND	ND		100	WG1995174
1,1-Dichloroethene	75-35-4	96.90	20.0	79.3	ND	ND		100	WG1995174
cis-1,2-Dichloroethene	156-59-2	96.90	20.0	79.3	ND	ND		100	WG1995174
trans-1,2-Dichloroethene	156-60-5	96.90	20.0	79.3	ND	ND		100	WG1995174
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1995174
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1995174
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1995174
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1995174
Ethanol	64-17-5	46.10	125	236	1890	3560		100	WG1995174
Ethylbenzene	100-41-4	106	20.0	86.7	ND	ND		100	WG1995174
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1995174
Trichlorofluoromethane	75-69-4	137.40	20.0	112	ND	ND		100	WG1995174
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG1995174
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	20.0	153	ND	ND		100	WG1995174
1,2-Dichlorotetrafluoroethane	76-14-2	171	20.0	140	ND	ND		100	WG1995174
Heptane	142-82-5	100	20.0	81.8	144	589		100	WG1995174
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1995174
n-Hexane	110-54-3	86.20	63.0	222	1060	3740		100	WG1995174
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1995174
Methylene Chloride	75-09-2	84.90	20.0	69.4	91.8	319		100	WG1995174
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1995174
2-Butanone (MEK)	78-93-3	72.10	125	369	ND	ND		100	WG1995174
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1995174
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1995174
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1995174
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1995174
2-Propanol	67-63-0	60.10	125	307	11200	27500	E	100	WG1995174
Propene	115-07-1	42.10	125	215	ND	ND		100	WG1995174
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1995174
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1995174
Tetrachloroethylene	127-18-4	166	20.0	136	22.5	153		100	WG1995174
Tetrahydrofuran	109-99-9	72.10	20.0	59.0	ND	ND		100	WG1995174
Toluene	108-88-3	92.10	50.0	188	ND	ND		100	WG1995174
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1995174

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Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	20.0	109	ND	ND		100	WG1995174
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1995174
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1995174
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1995174
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	ND	ND		100	WG1995174
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	ND	ND		100	WG1995174
Vinyl chloride	75-01-4	62.50	20.0	51.1	ND	ND		100	WG1995174
Vinyl Bromide	593-60-2	106.95	20.0	87.5	ND	ND		100	WG1995174
Vinyl acetate	108-05-4	86.10	20.0	70.4	ND	ND		100	WG1995174
m&p-Xylene	1330-20-7	106	40.0	173	ND	ND		100	WG1995174
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1995174
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	28100	116000	B	100	WG1995174
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.7*				WG1995174

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	125	297	ND	ND		100	WG1995174
Allyl chloride	107-05-1	76.53	20.0	62.6	ND	ND		100	WG1995174
Benzene	71-43-2	78.10	20.0	63.9	ND	ND		100	WG1995174
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1995174
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1995174
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1995174
Bromomethane	74-83-9	94.90	20.0	77.6	ND	ND		100	WG1995174
1,3-Butadiene	106-99-0	54.10	200	443	ND	ND		100	WG1995174
Carbon disulfide	75-15-0	76.10	20.0	62.2	ND	ND		100	WG1995174
Carbon tetrachloride	56-23-5	154	20.0	126	ND	ND		100	WG1995174
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1995174
Chloroethane	75-00-3	64.50	20.0	52.8	ND	ND		100	WG1995174
Chloroform	67-66-3	119	20.0	97.3	ND	ND		100	WG1995174
Chloromethane	74-87-3	50.50	20.0	41.3	ND	ND		100	WG1995174
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1995174
Cyclohexane	110-82-7	84.20	20.0	68.9	303	1040		100	WG1995174
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1995174
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1995174
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1995174
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1995174
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1995174
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1995174
1,1-Dichloroethane	75-34-3	98	20.0	80.2	ND	ND		100	WG1995174
1,1-Dichloroethene	75-35-4	96.90	20.0	79.3	ND	ND		100	WG1995174
cis-1,2-Dichloroethene	156-59-2	96.90	20.0	79.3	ND	ND		100	WG1995174
trans-1,2-Dichloroethene	156-60-5	96.90	20.0	79.3	ND	ND		100	WG1995174
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1995174
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1995174
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1995174
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1995174
Ethanol	64-17-5	46.10	125	236	2120	4000		100	WG1995174
Ethylbenzene	100-41-4	106	20.0	86.7	ND	ND		100	WG1995174
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1995174
Trichlorofluoromethane	75-69-4	137.40	20.0	112	ND	ND		100	WG1995174
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG1995174
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	20.0	153	ND	ND		100	WG1995174
1,2-Dichlorotetrafluoroethane	76-14-2	171	20.0	140	ND	ND		100	WG1995174
Heptane	142-82-5	100	20.0	81.8	88.6	362		100	WG1995174
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1995174
n-Hexane	110-54-3	86.20	63.0	222	789	2780		100	WG1995174
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1995174
Methylene Chloride	75-09-2	84.90	20.0	69.4	103	358		100	WG1995174
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1995174
2-Butanone (MEK)	78-93-3	72.10	125	369	ND	ND		100	WG1995174
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1995174
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1995174
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1995174
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1995174
2-Propanol	67-63-0	60.10	125	307	4330	10600		100	WG1995174
Propene	115-07-1	42.10	125	215	ND	ND		100	WG1995174
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1995174
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1995174
Tetrachloroethylene	127-18-4	166	20.0	136	36.1	245		100	WG1995174
Tetrahydrofuran	109-99-9	72.10	20.0	59.0	ND	ND		100	WG1995174
Toluene	108-88-3	92.10	50.0	188	ND	ND		100	WG1995174
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1995174

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L1579035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	20.0	109	ND	ND		100	WG1995174
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1995174
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1995174
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1995174
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	ND	ND		100	WG1995174
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	ND	ND		100	WG1995174
Vinyl chloride	75-01-4	62.50	20.0	51.1	ND	ND		100	WG1995174
Vinyl Bromide	593-60-2	106.95	20.0	87.5	ND	ND		100	WG1995174
Vinyl acetate	108-05-4	86.10	20.0	70.4	610	2150		100	WG1995174
m&p-Xylene	1330-20-7	106	40.0	173	ND	ND		100	WG1995174
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1995174
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	29600	122000	B	100	WG1995174
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.7*				WG1995174

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	125	297	ND	ND		100	WG1995174
Allyl chloride	107-05-1	76.53	20.0	62.6	ND	ND		100	WG1995174
Benzene	71-43-2	78.10	20.0	63.9	ND	ND		100	WG1995174
Benzyl Chloride	100-44-7	127	20.0	104	ND	ND		100	WG1995174
Bromodichloromethane	75-27-4	164	20.0	134	ND	ND		100	WG1995174
Bromoform	75-25-2	253	60.0	621	ND	ND		100	WG1995174
Bromomethane	74-83-9	94.90	20.0	77.6	ND	ND		100	WG1995174
1,3-Butadiene	106-99-0	54.10	200	443	ND	ND		100	WG1995174
Carbon disulfide	75-15-0	76.10	20.0	62.2	ND	ND		100	WG1995174
Carbon tetrachloride	56-23-5	154	20.0	126	ND	ND		100	WG1995174
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG1995174
Chloroethane	75-00-3	64.50	20.0	52.8	ND	ND		100	WG1995174
Chloroform	67-66-3	119	20.0	97.3	ND	ND		100	WG1995174
Chloromethane	74-87-3	50.50	20.0	41.3	ND	ND		100	WG1995174
2-Chlorotoluene	95-49-8	126	20.0	103	ND	ND		100	WG1995174
Cyclohexane	110-82-7	84.20	20.0	68.9	650	2240		100	WG1995174
Dibromochloromethane	124-48-1	208	20.0	170	ND	ND		100	WG1995174
1,2-Dibromoethane	106-93-4	188	20.0	154	ND	ND		100	WG1995174
1,2-Dichlorobenzene	95-50-1	147	20.0	120	ND	ND		100	WG1995174
1,3-Dichlorobenzene	541-73-1	147	20.0	120	ND	ND		100	WG1995174
1,4-Dichlorobenzene	106-46-7	147	20.0	120	ND	ND		100	WG1995174
1,2-Dichloroethane	107-06-2	99	20.0	81.0	ND	ND		100	WG1995174
1,1-Dichloroethane	75-34-3	98	20.0	80.2	ND	ND		100	WG1995174
1,1-Dichloroethene	75-35-4	96.90	20.0	79.3	ND	ND		100	WG1995174
cis-1,2-Dichloroethene	156-59-2	96.90	20.0	79.3	ND	ND		100	WG1995174
trans-1,2-Dichloroethene	156-60-5	96.90	20.0	79.3	ND	ND		100	WG1995174
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG1995174
cis-1,3-Dichloropropene	10061-01-5	111	20.0	90.8	ND	ND		100	WG1995174
trans-1,3-Dichloropropene	10061-02-6	111	20.0	90.8	ND	ND		100	WG1995174
1,4-Dioxane	123-91-1	88.10	20.0	72.1	ND	ND		100	WG1995174
Ethanol	64-17-5	46.10	125	236	2230	4200		100	WG1995174
Ethylbenzene	100-41-4	106	20.0	86.7	ND	ND		100	WG1995174
4-Ethyltoluene	622-96-8	120	20.0	98.2	ND	ND		100	WG1995174
Trichlorofluoromethane	75-69-4	137.40	20.0	112	ND	ND		100	WG1995174
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG1995174
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	20.0	153	ND	ND		100	WG1995174
1,2-Dichlorotetrafluoroethane	76-14-2	171	20.0	140	ND	ND		100	WG1995174
Heptane	142-82-5	100	20.0	81.8	158	646		100	WG1995174
Hexachloro-1,3-butadiene	87-68-3	261	63.0	673	ND	ND		100	WG1995174
n-Hexane	110-54-3	86.20	63.0	222	1250	4410		100	WG1995174
Isopropylbenzene	98-82-8	120.20	20.0	98.3	ND	ND		100	WG1995174
Methylene Chloride	75-09-2	84.90	20.0	69.4	109	378		100	WG1995174
Methyl Butyl Ketone	591-78-6	100	125	511	ND	ND		100	WG1995174
2-Butanone (MEK)	78-93-3	72.10	125	369	ND	ND		100	WG1995174
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	125	512	ND	ND		100	WG1995174
Methyl methacrylate	80-62-6	100.12	20.0	81.9	ND	ND		100	WG1995174
MTBE	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1995174
Naphthalene	91-20-3	128	63.0	330	ND	ND		100	WG1995174
2-Propanol	67-63-0	60.10	125	307	5220	12800		100	WG1995174
Propene	115-07-1	42.10	125	215	ND	ND		100	WG1995174
Styrene	100-42-5	104	20.0	85.1	ND	ND		100	WG1995174
1,1,2,2-Tetrachloroethane	79-34-5	168	20.0	137	ND	ND		100	WG1995174
Tetrachloroethylene	127-18-4	166	20.0	136	23.5	160		100	WG1995174
Tetrahydrofuran	109-99-9	72.10	20.0	59.0	ND	ND		100	WG1995174
Toluene	108-88-3	92.10	50.0	188	ND	ND		100	WG1995174
1,2,4-Trichlorobenzene	120-82-1	181	63.0	466	ND	ND		100	WG1995174

LEVEL WELL
Collected date/time: 01/23/23 15:20
L1579035

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	20.0	109	ND	ND		100	WG1995174
1,1,2-Trichloroethane	79-00-5	133	20.0	109	ND	ND		100	WG1995174
Trichloroethylene	79-01-6	131	20.0	107	ND	ND		100	WG1995174
1,2,4-Trimethylbenzene	95-63-6	120	20.0	98.2	ND	ND		100	WG1995174
1,3,5-Trimethylbenzene	108-67-8	120	20.0	98.2	ND	ND		100	WG1995174
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	ND	ND		100	WG1995174
Vinyl chloride	75-01-4	62.50	20.0	51.1	ND	ND		100	WG1995174
Vinyl Bromide	593-60-2	106.95	20.0	87.5	ND	ND		100	WG1995174
Vinyl acetate	108-05-4	86.10	20.0	70.4	ND	ND		100	WG1995174
m&p-Xylene	1330-20-7	106	40.0	173	ND	ND		100	WG1995174
o-Xylene	95-47-6	106	20.0	86.7	ND	ND		100	WG1995174
TPH (GC/MS) Low Fraction	8006-61-9	101	20000	82600	26500	109000	B	100	WG1995174
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.7*				WG1995174

Method Blank (MB)

(MB) R3884993-3 01/26/23 09:39

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
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

Method Blank (MB)

(MB) R3884993-3 01/26/23 09:39

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
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
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	67.6	J	39.7	200
(S) 1,4-Bromofluorobenzene	*99.6*			*60.0-140*

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

(LCS) R3884993-1 01/26/23 08:41 • (LCSD) R3884993-2 01/26/23 09:11

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.00	3.92	107	105	70.0-130			2.02	25
Allyl Chloride	3.75	4.21	3.99	112	106	70.0-130			5.37	25
Benzene	3.75	3.88	3.91	103	104	70.0-130			0.770	25
Benzyl Chloride	3.75	4.20	4.09	112	109	70.0-152			2.65	25

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

(LCS) R3884993-1 01/26/23 08:41 • (LCSD) R3884993-2 01/26/23 09:11

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	4.11	4.08	110	109	70.0-130			0.733	25
Bromoform	3.75	4.07	4.07	109	109	70.0-130			0.000	25
Bromomethane	3.75	4.12	4.09	110	109	70.0-130			0.731	25
1,3-Butadiene	3.75	4.14	4.03	110	107	70.0-130			2.69	25
Carbon disulfide	3.75	4.22	4.10	113	109	70.0-130			2.88	25
Carbon tetrachloride	3.75	3.97	3.80	106	101	70.0-130			4.38	25
Chlorobenzene	3.75	3.81	3.73	102	99.5	70.0-130			2.12	25
Chloroethane	3.75	4.04	3.84	108	102	70.0-130			5.08	25
Chloroform	3.75	3.95	3.96	105	106	70.0-130			0.253	25
Chloromethane	3.75	4.05	4.14	108	110	70.0-130			2.20	25
2-Chlorotoluene	3.75	3.92	3.87	105	103	70.0-130			1.28	25
Cyclohexane	3.75	3.64	3.76	97.1	100	70.0-130			3.24	25
Dibromochloromethane	3.75	4.08	3.92	109	105	70.0-130			4.00	25
1,2-Dibromoethane	3.75	3.93	3.89	105	104	70.0-130			1.02	25
1,2-Dichlorobenzene	3.75	3.89	3.89	104	104	70.0-130			0.000	25
1,3-Dichlorobenzene	3.75	3.90	3.84	104	102	70.0-130			1.55	25
1,4-Dichlorobenzene	3.75	3.85	3.82	103	102	70.0-130			0.782	25
1,2-Dichloroethane	3.75	4.09	4.12	109	110	70.0-130			0.731	25
1,1-Dichloroethane	3.75	3.57	4.42	95.2	118	70.0-130			21.3	25
1,1-Dichloroethene	3.75	4.16	4.03	111	107	70.0-130			3.17	25
cis-1,2-Dichloroethene	3.75	3.86	3.86	103	103	70.0-130			0.000	25
trans-1,2-Dichloroethene	3.75	4.22	4.04	113	108	70.0-130			4.36	25
1,2-Dichloropropane	3.75	3.96	3.91	106	104	70.0-130			1.27	25
cis-1,3-Dichloropropene	3.75	4.28	4.25	114	113	70.0-130			0.703	25
trans-1,3-Dichloropropene	3.75	4.11	4.00	110	107	70.0-130			2.71	25
1,4-Dioxane	3.75	4.02	3.99	107	106	70.0-140			0.749	25
Ethanol	3.75	4.11	3.77	110	101	55.0-148			8.63	25
Ethylbenzene	3.75	4.05	4.01	108	107	70.0-130			0.993	25
4-Ethyltoluene	3.75	4.00	3.94	107	105	70.0-130			1.51	25
Trichlorofluoromethane	3.75	3.89	3.88	104	103	70.0-130			0.257	25
Dichlorodifluoromethane	3.75	4.06	4.06	108	108	64.0-139			0.000	25
1,1,2-Trichlorotrifluoroethane	3.75	4.10	4.00	109	107	70.0-130			2.47	25
1,2-Dichlorotetrafluoroethane	3.75	4.06	3.95	108	105	70.0-130			2.75	25
Heptane	3.75	4.21	4.22	112	113	70.0-130			0.237	25
Hexachloro-1,3-butadiene	3.75	3.88	3.85	103	103	70.0-151			0.776	25
n-Hexane	3.75	4.04	3.83	108	102	70.0-130			5.34	25
Isopropylbenzene	3.75	3.96	3.86	106	103	70.0-130			2.56	25
Methylene Chloride	3.75	4.14	3.99	110	106	70.0-130			3.69	25
Methyl Butyl Ketone	3.75	4.20	4.31	112	115	70.0-149			2.59	25
Methyl Ethyl Ketone	3.75	3.68	3.53	98.1	94.1	70.0-130			4.16	25

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

(LCS) R3884993-1 01/26/23 08:41 • (LCSD) R3884993-2 01/26/23 09:11

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	4.07	3.98	109	106	70.0-139			2.24	25
Methyl Methacrylate	3.75	3.83	3.90	102	104	70.0-130			1.81	25
MTBE	3.75	3.67	3.76	97.9	100	70.0-130			2.42	25
Naphthalene	3.75	4.03	3.98	107	106	70.0-159			1.25	25
2-Propanol	3.75	3.86	3.77	103	101	70.0-139			2.36	25
Propene	3.75	3.49	3.40	93.1	90.7	64.0-144			2.61	25
Styrene	3.75	3.78	3.79	101	101	70.0-130			0.264	25
1,1,2,2-Tetrachloroethane	3.75	4.06	4.03	108	107	70.0-130			0.742	25
Tetrachloroethylene	3.75	3.73	3.87	99.5	103	70.0-130			3.68	25
Tetrahydrofuran	3.75	4.01	4.12	107	110	70.0-137			2.71	25
Toluene	3.75	3.86	3.89	103	104	70.0-130			0.774	25
1,2,4-Trichlorobenzene	3.75	3.99	4.01	106	107	70.0-160			0.500	25
1,1,1-Trichloroethane	3.75	3.85	3.75	103	100	70.0-130			2.63	25
1,1,2-Trichloroethane	3.75	3.87	3.88	103	103	70.0-130			0.258	25
Trichloroethylene	3.75	3.83	3.91	102	104	70.0-130			2.07	25
1,2,4-Trimethylbenzene	3.75	3.96	3.98	106	106	70.0-130			0.504	25
1,3,5-Trimethylbenzene	3.75	3.90	3.85	104	103	70.0-130			1.29	25
2,2,4-Trimethylpentane	3.75	4.03	4.00	107	107	70.0-130			0.747	25
Vinyl chloride	3.75	4.22	3.97	113	106	70.0-130			6.11	25
Vinyl Bromide	3.75	3.93	4.01	105	107	70.0-130			2.02	25
Vinyl acetate	3.75	3.83	3.43	102	91.5	70.0-130			11.0	25
m&p-Xylene	7.50	7.69	7.72	103	103	70.0-130			0.389	25
o-Xylene	3.75	3.80	3.85	101	103	70.0-130			1.31	25
TPH (GC/MS) Low Fraction	203	259	254	128	125	70.0-130			1.95	25
(S) 1,4-Bromofluorobenzene				*102*	*106*	*60.0-140*				

Method Blank (MB)

(MB) R3885150-3 01/27/23 09:31

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	1.25
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

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

Method Blank (MB)

(MB) R3885150-3 01/27/23 09:31

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
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
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	56.0	J	39.7	200
(S) 1,4-Bromofluorobenzene	*96.7*			*60.0-140*

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

(LCS) R3885150-1 01/27/23 08:33 • (LCSD) R3885150-2 01/27/23 09:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.77	4.03	101	107	70.0-130			6.67	25
Allyl Chloride	3.75	4.08	4.08	109	109	70.0-130			0.000	25
Benzene	3.75	3.97	3.96	106	106	70.0-130			0.252	25
Benzyl Chloride	3.75	3.74	3.75	99.7	100	70.0-152			0.267	25

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

(LCS) R3885150-1 01/27/23 08:33 • (LCSD) R3885150-2 01/27/23 09:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	4.04	3.96	108	106	70.0-130			2.00	25
Bromoform	3.75	4.12	4.03	110	107	70.0-130			2.21	25
Bromomethane	3.75	3.95	3.93	105	105	70.0-130			0.508	25
1,3-Butadiene	3.75	4.05	4.01	108	107	70.0-130			0.993	25
Carbon disulfide	3.75	4.00	3.90	107	104	70.0-130			2.53	25
Carbon tetrachloride	3.75	3.91	3.87	104	103	70.0-130			1.03	25
Chlorobenzene	3.75	3.90	3.87	104	103	70.0-130			0.772	25
Chloroethane	3.75	3.99	3.98	106	106	70.0-130			0.251	25
Chloroform	3.75	4.00	3.98	107	106	70.0-130			0.501	25
Chloromethane	3.75	4.09	4.11	109	110	70.0-130			0.488	25
2-Chlorotoluene	3.75	4.17	4.24	111	113	70.0-130			1.66	25
Cyclohexane	3.75	4.08	4.13	109	110	70.0-130			1.22	25
Dibromochloromethane	3.75	4.05	3.93	108	105	70.0-130			3.01	25
1,2-Dibromoethane	3.75	3.97	3.92	106	105	70.0-130			1.27	25
1,2-Dichlorobenzene	3.75	4.09	4.19	109	112	70.0-130			2.42	25
1,3-Dichlorobenzene	3.75	4.11	4.16	110	111	70.0-130			1.21	25
1,4-Dichlorobenzene	3.75	4.15	4.23	111	113	70.0-130			1.91	25
1,2-Dichloroethane	3.75	3.92	3.88	105	103	70.0-130			1.03	25
1,1-Dichloroethane	3.75	4.05	4.02	108	107	70.0-130			0.743	25
1,1-Dichloroethene	3.75	3.91	3.89	104	104	70.0-130			0.513	25
cis-1,2-Dichloroethene	3.75	4.12	4.08	110	109	70.0-130			0.976	25
trans-1,2-Dichloroethene	3.75	4.08	4.01	109	107	70.0-130			1.73	25
1,2-Dichloropropane	3.75	3.96	3.94	106	105	70.0-130			0.506	25
cis-1,3-Dichloropropene	3.75	4.07	4.01	109	107	70.0-130			1.49	25
trans-1,3-Dichloropropene	3.75	4.01	3.99	107	106	70.0-130			0.500	25
1,4-Dioxane	3.75	3.80	3.88	101	103	70.0-140			2.08	25
Ethanol	3.75	3.91	3.97	104	106	55.0-148			1.52	25
Ethylbenzene	3.75	4.18	4.23	111	113	70.0-130			1.19	25
4-Ethyltoluene	3.75	4.29	4.34	114	116	70.0-130			1.16	25
Trichlorofluoromethane	3.75	3.85	3.81	103	102	70.0-130			1.04	25
Dichlorodifluoromethane	3.75	3.99	3.95	106	105	64.0-139			1.01	25
1,1,2-Trichlorotrifluoroethane	3.75	3.85	3.80	103	101	70.0-130			1.31	25
1,2-Dichlorotetrafluoroethane	3.75	4.01	4.02	107	107	70.0-130			0.249	25
Heptane	3.75	4.23	4.21	113	112	70.0-130			0.474	25
Hexachloro-1,3-butadiene	3.75	4.08	4.07	109	109	70.0-151			0.245	25
n-Hexane	3.75	4.20	4.22	112	113	70.0-130			0.475	25
Isopropylbenzene	3.75	4.13	4.16	110	111	70.0-130			0.724	25
Methylene Chloride	3.75	3.90	3.89	104	104	70.0-130			0.257	25
Methyl Butyl Ketone	3.75	4.00	4.09	107	109	70.0-149			2.22	25
Methyl Ethyl Ketone	3.75	4.07	4.04	109	108	70.0-130			0.740	25

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

(LCS) R3885150-1 01/27/23 08:33 • (LCSD) R3885150-2 01/27/23 09:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	4.05	4.05	108	108	70.0-139			0.000	25
Methyl Methacrylate	3.75	4.12	4.10	110	109	70.0-130			0.487	25
MTBE	3.75	3.96	3.97	106	106	70.0-130			0.252	25
Naphthalene	3.75	4.58	4.59	122	122	70.0-159			0.218	25
2-Propanol	3.75	3.83	3.79	102	101	70.0-139			1.05	25
Propene	3.75	4.12	4.05	110	108	64.0-144			1.71	25
Styrene	3.75	4.29	4.35	114	116	70.0-130			1.39	25
1,1,2,2-Tetrachloroethane	3.75	4.12	4.15	110	111	70.0-130			0.726	25
Tetrachloroethylene	3.75	3.88	3.84	103	102	70.0-130			1.04	25
Tetrahydrofuran	3.75	4.15	4.16	111	111	70.0-137			0.241	25
Toluene	3.75	4.05	4.02	108	107	70.0-130			0.743	25
1,2,4-Trichlorobenzene	3.75	4.25	4.23	113	113	70.0-160			0.472	25
1,1,1-Trichloroethane	3.75	3.91	3.87	104	103	70.0-130			1.03	25
1,1,2-Trichloroethane	3.75	3.88	3.86	103	103	70.0-130			0.517	25
Trichloroethylene	3.75	3.98	3.92	106	105	70.0-130			1.52	25
1,2,4-Trimethylbenzene	3.75	4.39	4.47	117	119	70.0-130			1.81	25
1,3,5-Trimethylbenzene	3.75	4.30	4.37	115	117	70.0-130			1.61	25
2,2,4-Trimethylpentane	3.75	4.13	4.14	110	110	70.0-130			0.242	25
Vinyl chloride	3.75	4.03	4.05	107	108	70.0-130			0.495	25
Vinyl Bromide	3.75	3.91	3.95	104	105	70.0-130			1.02	25
Vinyl acetate	3.75	3.52	3.31	93.9	88.3	70.0-130			6.15	25
m&p-Xylene	7.50	8.52	8.62	114	115	70.0-130			1.17	25
o-Xylene	3.75	4.30	4.31	115	115	70.0-130			0.232	25
TPH (GC/MS) Low Fraction	203	248	250	122	123	70.0-130			0.803	25
(S) 1,4-Bromofluorobenzene				*98.1*	*97.9*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 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
B	The same analyte is found in the associated blank.
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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	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 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

Company Name/Address:
Ensolum, LLC

601 N Marienfeld Street, Ste. 400
Midland, TX 79701

Billing Information:
Accounts Payable
601 N Marienfeld Street, Ste. 400
Midland, TX 79701

Report To:
Beaux Jennings

Email To:
bjennings@ensolum.com

Project Description: Levey Well

City/State Collected: Hobbs New Mexico

Please Circle: PT MT (CT) ET

Phone: **210-219-8858**

Client Project # 03E1417001

Lab Project # **ENSOLUMMTX-SUMMA**

Collected by (print): SHANE DIXON

Site/Facility ID #

P.O. # 03E1417001

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day X Three Day
___ Next Day ___ Five Day
___ Two Day

Date Results Needed

Sample ID	Can #	Flow Cont. #	Collection Date	Collection Time	Canister Pressure/Vacuum Initial	Canister Pressure/Vacuum Final	Analysis: TO-15 Summa	Rem./Contaminant	Sample # (lab only)
Levey Well	12008	021118	1-23-23	1111	-26	0	X		-01
Levey Well	021339	022754	1-23-23	1320	-18	0	X		-02
Levey Well	007686	005966	1-23-23	1420	-26	0	X		-03
Levey Well	021958	010350	1-23-23	1520	-27	0	X		-04

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE
MT JULIET, TN
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 # L1579035
K200

Acctnum: ENSOLUMMTX
Template: T180734
Prelogin: P974731
PM: 3564 - Chad A Upchurch
PB: CAC 01/17/23
Shipped Via: FedEX Ground

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
RAD Screen <0.5 mR/hr: Y N
If Applicable
VOA Zero Headspace: Y N
Pres.Correct/Check: Y N

Relinquished by: (Signature)	Date: 1/24/23	Time: 10:47
Relinquished by: (Signature)	Date: 1/24/23	Time: 5:00
Relinquished by: (Signature)	Date:	Time:

Samples returned via: __UPS __FedEx __Courier _____
Tracking #
Hold #

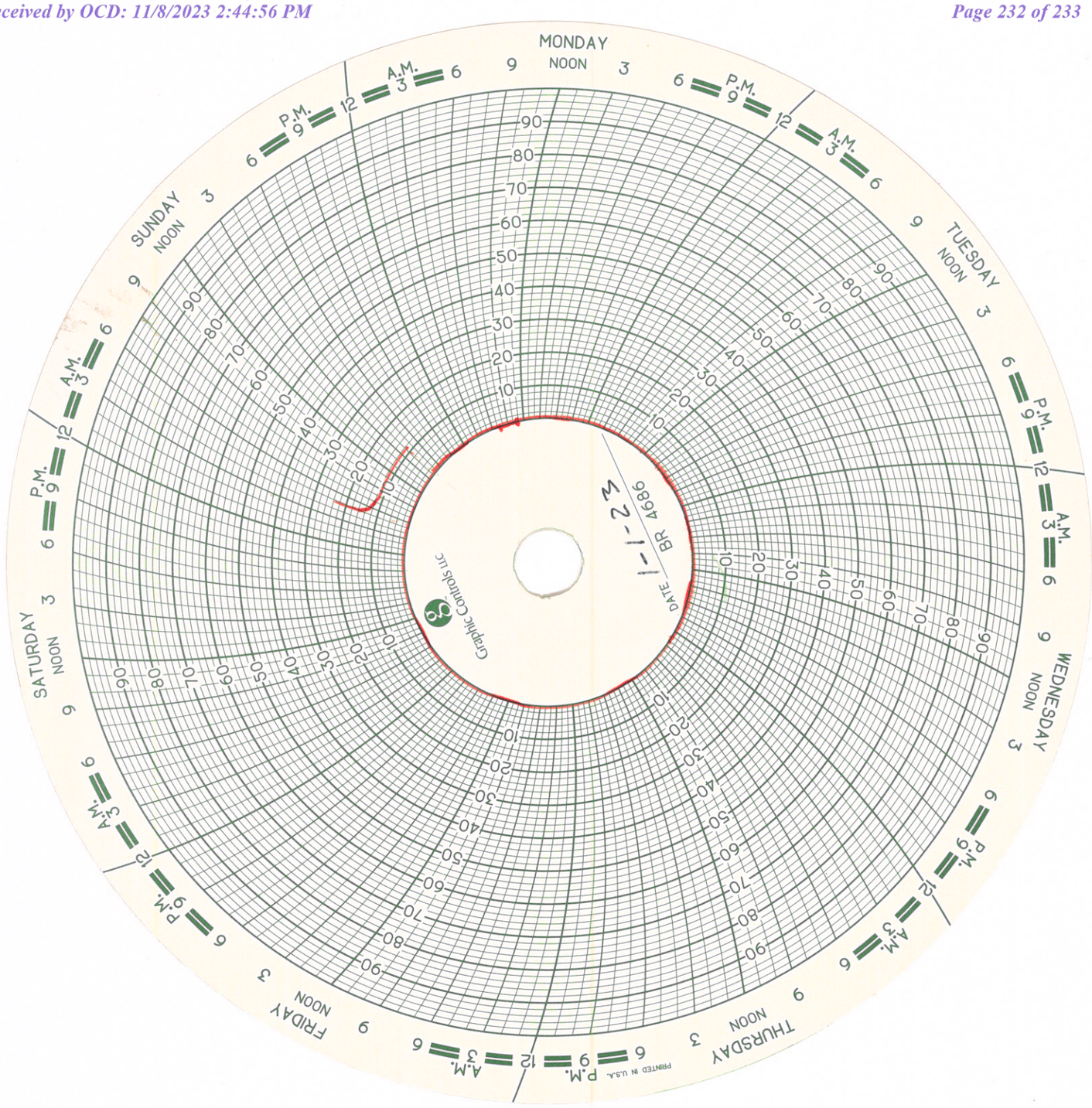
Received by: (Signature)	Date:	Time:
Received by: (Signature)	Date:	Time:
Received for lab by: (Signature)	Date: 1/25/23	Time: 0900

Condition: (lab use only) OK
COC Seal Intact: ___Y ___N ✓NA
NCF:

ENSOLUM

APPENDIX D

Levey Well Pressure Reading Documentation


MONDAY
NOON
TUESDAY
NOON
WEDNESDAY
NOON
THURSDAY
NOON
FRIDAY
NOON
SATURDAY
NOON
SUNDAY
NOON
A.M.
P.M.
DATE 4686
BR
M 2 - 1 - 1
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District I
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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 284060

CONDITIONS

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	157984
	Action Number: 284060
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Accepted for the record. GAS MITIGATION MONTHLY REPORT - JANUARY 2023 South Hobbs G/SA Unit Order No. R-4934-F, Case No. 14981	3/21/2024