2023 System Operation and Remedial Action Progress

Griggs-Walnut Ground Water Plume Superfund Site

Prepared for

Joint Superfund Project
Las Cruces, New Mexico

Prepared by

DBS&A
a Geo-Logic Company

6020 Academy NE, Suite 100
Albuquerque, New Mexico 87109
www.dbstephens.com
DB23.1349

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Table of Contents

1. Introduction 1
   1.1 Background 1
   1.2 Objective 3
2. Progress Made Toward Meeting Remediation Goals 4
   2.1 Progress Toward Attaining Performance Standards 4
   2.2 Progress Toward Remedial Action Objectives 5
3. System Monitoring and Operations Summary 6
   3.1 Treated Groundwater 6
   3.2 Air Emissions 8
   3.3 Summary of Operations 9
   3.4 Summary of Maintenance Records 10
4. Groundwater Monitoring and Evaluation 10
   4.1 Groundwater Hydrologic and Water Quality Evaluation 11
      4.1.1 Groundwater Monitoring Program Evaluation 11
      4.1.2 Horizontal and Vertical Plume Evaluation 12
      4.1.3 Hydraulic Gradients 15
   4.2 Optimization Assessment 16
5. Permitting and Regulatory Activities 17
6. Difficulties Encountered 18
   6.1 Wells Dry During Sampling 18
   6.2 Sampling Techniques 18
   6.3 SCADA System 18
7. Data Validation and Verification 19
8. Conclusions 19
   8.1 Status of Deliverables Required by the Consent Decree 20
   8.2 Summary of Completed and Planned Work 20
   8.3 Recommendations 21

References 23

List of Figures

1 Project Area Map
2 Groundwater Extraction Site
3 Remediation System Process Flow
4 PCE in Groundwater, May 2012
5 Remediation System PCE Concentration
6 Monthly PCE Concentration in CLC 18 and CLC 27, January 2014–December 2023
7 PCE in Shallow Zone Groundwater, November 2023
8 PCE in Intermediate Zone Groundwater, November 2023
9 PCE in Deep Zone Groundwater, November 2023

List of Tables

1 Air Analytical Method and NMED Air Quality No Permit Required Emissions Standards
2 Groundwater Analytical Methodologies and Screening Levels
3 Remediation System Sampling Frequency
4 Alternative Remediation System Sampling Locations
5 Monthly Volume and PCE Concentration of Extracted Groundwater
6a PCE Mass Removed
6b Total PCE Removed, 2013-2023
7 Calculated Air Emissions in 2023
8 Calculated Air Emissions, 2013–2023
9 Monthly Runtime, 2023
10 November 2023 Sampled Monitoring Wells
11 Groundwater Analytical Results for Detected Constituents, November 2023
12 PCE Results for Annual Groundwater Sampling, 2012–2023
13 Data Quality Indicators

List of Appendices

A Groundwater Program Evaluation Report
B Groundwater Remediation Optimization Report
C Sampling Report with Laboratory Reports for Annual Groundwater Monitoring Event
D Daily Operational Data
E Laboratory Reports for Remediation System Sampling
F Letters Sent to Agencies and Agency Responses
G Data Validation Report

1. Introduction

Daniel B. Stephens & Associates, Inc. (DBS&A) has prepared this annual operation and maintenance (O&M) report for the Griggs-Walnut Ground Water Plume Superfund Site (the GWP site) on behalf of the Joint Superfund Project (JSP), which consists of the City of Las Cruces (CLC) and Doña Ana County (DAC). This report summarizes the progress made during the eleventh year of operation of the groundwater remedy at the GWP site, and addresses the requirements of Paragraphs 22, 30, and 34, and their subsections, of the statement of work (SOW) associated with the Consent Decree dated July 30, 2020 entered in the case titled *City of Las Cruces et al. v. United States of America et al.* (Consent Decree) for the O&M phase of the Remedial Action (RA) issued to the CLC and DAC pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) by the U.S. Environmental Protection Agency (EPA) Region 6 [*Civ. No.17-00809-JCH-GBW (D.N.M)*].

The original modified administrative order addressing the RA (Docket No. 06-02-11) was issued in 2011, and only covered the construction phase of the RA. The subsequent Unilateral Administrative Order (UAO) issued in 2017 (CERCLA Docket No. 06-05-07) was an update to the original modified administrative order. The Consent Decree supersedes the most recent UAO. The O&M activities discussed in this report were completed under this Consent Decree and the updated site-specific plans approved in 2021. Prior to the annual groundwater monitoring event, the site sampling and analysis plan (SAP) was updated on September 18, 2023 and revised on November 10, 2023 (DBS&A, 2023).

1.1 Background

The GWP site is located in Las Cruces, New Mexico (Figure 1). In 1993, tetrachloroethene (PCE), a chlorinated solvent commonly used as a degreaser and dry-cleaning agent, was detected in CLC municipal drinking water supply wells CLC 21 and CLC 27 during routine sampling performed by the New Mexico Environment Department (NMED). PCE was subsequently detected in supply well CLC 18 in 1995. In 2000, PCE was first detected in CLC 24 at a concentration slightly less than 1 microgram per liter (µg/L). In October 2001, PCE was detected in CLC 24 at a concentration of 1.60 µg/L.

The GWP site was added to the EPA National Priorities List (NPL) of Superfund sites on June 14, 2001. At the time of listing, PCE had been detected in one CLC municipal drinking water supply well (CLC 18) at a concentration above the EPA maximum contaminant level (MCL) of 5 µg/L for

PCE. PCE had been detected in four additional CLC municipal wells (CLC 19, 21, 24, and 27) at concentrations below the MCL. Wells with PCE detections were taken offline between 1996 and 2006. No water with PCE concentrations above the MCL was ever delivered to customers. The maximum PCE concentration reported in the plume was 70 µg/L, detected in CLC 18 in 2012. CLC 19, 21, and 24 are all currently off-line; CLC 18 and CLC 27 are part of the RA as described in this section. PCE detections at CLC 24 were later determined to not be associated with the GWP site (CH2MHill, 2006a).

The remedial investigation (RI) and feasibility study (FS) were performed by CH2M Hill under contract to the EPA (CH2MHill, 2006a and 2006b). The Proposed Plan was prepared in December 2006 and the record of decision (ROD) was issued by EPA on June 14, 2007 (U.S. EPA, 2007). These documents set forth the selected remedy for the GWP site, which is Enhanced Groundwater Extraction with Treatment (Remedial Alternative 4 from the FS). Construction of the remedy began in September 2011. On June 13, 2012, a final inspection was completed and signed off on by representatives from EPA, NMED, DBS&A, CLC, and Highland Enterprises (the construction contractor). A preliminary close-out report was approved by EPA on July 20, 2012, officially accepting the remedy's construction.

The JSP has been operating the GWP groundwater remediation system since August 2012. Figure 2 provides a map of the location of remediation system components. The remediation system consists of pumping contaminated groundwater from wells CLC 18 and CLC 27 to a centralized treatment facility at CLC 18. The treatment facility consists of a metal building, raw water and treated water equalization tanks, a low-profile stacked-tray air stripper system, and a disinfection system. Water is pumped from CLC 18 and CLC 27 to a raw water equalization tank through 6-inch polyvinyl chloride (PVC) water lines. Transfer pumps convey water through the low-profile, stacked-tray air stripper units to a treated water equalization tank. Prior to treatment, an anti-scalant is injected into the raw water stream to mitigate scale within the air strippers.

The treatment facility can accommodate a total hydraulic flow of 500 gallons per minute (gpm). The treated water is disinfected and then pumped through an 8-inch transmission line to tie into the existing distribution system at CLC 27. The treated water is conveyed to the Upper Griggs Reservoir through an existing 10-inch waterline and mixes in the reservoir with water from other municipal supply wells; it is then distributed into the CLC water supply system. Figure 3 provides a process flow diagram for the treatment process.

As detailed in the ROD, the remedial action objectives (RAOs) for the GWP site are as follows:

- RAO #1: Prevent human exposure to contaminated groundwater with PCE concentrations above the MCL (5 µg/L).
- RAO #2: Maintain capture of the PCE-contaminated groundwater plume above the MCL (5 µg/L).
- RAO #3: Restore groundwater to its beneficial use as a drinking water supply with PCE concentrations no greater than the MCL (5 µg/L).

As defined in the ROD, prior to remedial action, the groundwater plume was located generally between East Griggs Avenue and East Hadley Avenue, extending east to near Interstate 25 (I-25) and west to beyond North Solano Drive in Las Cruces. The extent of the plume (defined as concentrations greater than the MCL of 5 µg/L) at the beginning of the RA is shown in Figure 4. The property uses in this area are predominantly recreational, light industrial/commercial, and residential.

1.2 Objective

The objective of this report is to summarize the 2023 progress that has been made in addressing groundwater contamination at the GWP site. As required in Paragraph 34 of the SOW, this report includes the following:

- Description of progress made toward achieving performance standards.
- System operating performance evaluation.
- Groundwater hydrologic evaluation.
- Groundwater quality evaluation.
- Summary of permitting and regulatory activities.
- Summary of problems or difficulties encountered and how they were or will be resolved.

This report also describes the current status of deliverables required by the Consent Decree, including any actions taken, and any future plans. A groundwater monitoring evaluation report (Appendix A) and groundwater remediation optimization report (Appendix B) are included as required by Paragraphs 22 and 30, respectively, of the SOW; these reports address the content required in the third and fourth bullets above. The evaluation presented in this report will provide EPA with the information necessary to determine whether the remedial approach undertaken continues to be successful in achieving the RAOs.

2. Progress Made Toward Meeting Remediation Goals

This section describes progress made toward achieving the RAOs as set forth in the ROD. During 2023, the groundwater extraction and treatment system was operated on behalf of the JSP by Las Cruces Utilities (LCU) staff. To achieve progress and to meet requirements, the following tasks were completed:

- CLC 18 was operated two times a week at approximately 88 gpm for 6 hours a day from January through October 2023. CLC 18 was operated one day a week at approximately 88 gpm for 8 hours a day in November and December 2023, per the recommendations in the 2021 annual report.
- Following pump replacement in January 2023, CLC 27 was operated for 24 hours a day, 7 days a week at monthly average rates of 212 to 238 gpm.
- The groundwater treatment system was operated on a 24-hour a day, 7-day a week (24/7) basis except for required maintenance.
- CLC 18 and CLC 27 were sampled monthly for PCE, with one exception. CLC 27 was not sampled in January 2023 due to pump replacement.
- Raw (combined extracted) and finished (treated) water were sampled monthly for PCE.
- Exhaust air from AS-1 and AS-2 was sampled for monitoring of PCE concentration.
- Periodic maintenance and minor repairs were conducted per manufacturer's recommendations for equipment related to the extraction wells, conveyance system, and treatment system, including replacement of the well pump in CLC 27 in January 2023.
- Groundwater monitoring was conducted in November 2023 as described in Appendix C.

During this reporting period, the extraction and treatment system operated for approximately 93 percent of the year. Excluding the shutdown period in January 2023 for pump replacement, the system operated with nearly 100 percent uptime.

2.1 Progress Toward Attaining Performance Standards

The performance standards for this project include substantive requirements, criteria, and limitations that are specified in the ROD, the Consent Decree, the Consent Decree's SOW, the EPA-approved final remedial design, and other EPA-approved submissions, including the

RA work plan. The JSP has met all substantive requirements to date, including submitting all documents required by the SOW from the Consent Decree. The JSP has consistently operated the remediation system to extract PCE-contaminated water and treat it to concentrations below the MCL.

Uranium concentrations in CLC 18 and CLC 27 remain below the EPA MCL of 30 µg/L. Arsenic concentrations in CLC 18 and CLC 27 also remain below the EPA MCL of 10 µg/L. Benzene was detected at a concentration above the New Mexico Water Quality Control Commission (NMWQCC) standard of 5 µg/L in monitoring well GWMW-01D (8.7 µg/L), but was not detected in CLC 18 or CLC 27. No additional treatment to remove these constituents is required at this time. Although PCE degradation products (i.e., trichloroethene [TCE], cis-1,2-dichloroethene [DCE], and trans-1,2-DCE), benzene, and uranium were discussed in the ROD, the only remediation goal established was the MCL of 5 µg/L for PCE. Arsenic is also known to leach from liners of FLUTe wells previously used at the site, and was previously detected at higher concentrations in the FLUTe wells (Cherry et al., 2007; DBS&A, 2019). Progress toward the remedial goal is being achieved through the removal of PCE from groundwater by extraction and treatment.

2.2 Progress Toward Remedial Action Objectives

As outlined in the site ROD, the RAOs for groundwater at the GWP site were established in accordance with the *Presumptive Response Strategy and Ex Situ Treatment Technologies for Contaminated Ground Water at CERCLA Sites* (U.S. EPA, 1996), and are provided in Section 1.1.

To address RAO #1 (prevent human exposure to contaminated groundwater with PCE concentrations above the MCL of 5 µg/L), the JSP previously worked with the New Mexico Office of the State Engineer (OSE) to put a new well drilling moratorium in place at the GWP site. CLC has also ceased pumping from wells within the plume that are not part of the extraction system for the GWP site. These two measures, combined with treatment, are effectively addressing RAO #1.

Pumping of well CLC 27 is meeting RAO #2 (maintain capture of the PCE-contaminated groundwater plume above the MCL of 5 µg/L). Groundwater elevation and concentration data provide evidence that the PCE plume is decreasing in mass, and that remedial progress is being made (Appendices A and B). Appendix A, Figure 10 shows the November 2023 water level elevation contours for the Shallow Zone overlaid on the accompanying PCE concentrations in the Shallow Zone. Appendix A, Figure 11 shows the November 2023 water level elevation

contours for the Intermediate Zone overlaid on the corresponding PCE concentrations. Appendix A, Figure 12 shows the November 2023 water level elevation contours for the Deep Zone overlaid on the corresponding PCE concentrations. These figures and additional numerical modeling discussed in Appendices A and B indicate that the area of groundwater containing PCE concentrations above the MCL is being captured by the pumping of CLC 27 and CLC 18 in each of these vertical zones. In the 2022 annual report and as described in Section 4.1.2.1, DBS&A and JSAI recommended installing one Intermediate Zone and one Deep Zone monitoring well southeast of CLC 27 to confirm that pumping of CLC 27 is meeting RAO #2 for all areas of the plume (DBS&A, 2024). The 2022 report was approved by EPA on June 7, 2024.

Progress toward restoring groundwater to beneficial use as a drinking water supply (RAO #3) continues through removal of PCE mass from the aquifer. As discussed in Section 3.1, approximately 13.4 pounds of PCE was removed from the GWP in 2023, bringing the total PCE mass removed from the GWP since system startup to approximately 141 pounds.

3. System Monitoring and Operations Summary

This section provides a detailed description of the extraction and treatment system monitoring and laboratory analytical results. Total groundwater volumes extracted and total PCE mass removed for the period are also provided. The following subsections provide a more detailed summary and evaluation of the system operation and scheduled and unscheduled maintenance completed by LCU staff.

3.1 Treated Groundwater

Figure 1 provides a layout of the GWP site wells and treatment facility. Figure 2 provides a map of the treatment facility and extraction well locations. LCU staff performed remediation system process water and effluent air sampling in 2023 per the SAP (DBS&A, 2023).

Remediation system sampling has included monitoring the extracted and treated groundwater for volatile organic compounds (VOCs) on a monthly basis and for metals once a year. The volume of water extracted and treated is also recorded. To confirm that air quality standards are not exceeded during the removal of VOCs via air stripping, air quality samples are also collected from the air stream that exits the GWP site remediation system. Table 1 summarizes the analytical method for air emissions monitoring. Table 2 summarizes the groundwater analytical methods and analytes that are being monitored.

Table 3 summarizes the frequency of remediation system sampling. Table 4 lists the alternative remediation system sampling locations. These sampling locations can be used to monitor specific components of the treatment process, including volume of anti-scalant injection, performance of individual air strippers, and combined treated water characteristics from the equalization tank prior to chlorination. Table 5 summarizes the monthly volume pumped from CLC 18 and CLC 27 as reported from the supervisory control and data acquisition (SCADA) system, as well as the monthly measured PCE concentration in each well. Appendix D summarizes daily volumes pumped and treated for each well. Issues encountered with SCADA results and the daily volumes, along with associated corrective actions, are explained in Section 6.

Appendix E provides laboratory analytical reports for monthly remediation system sampling. To determine the mass removed each month, the mass of PCE leaving the system (as measured after treatment) is subtracted from the mass of PCE entering the system (as measured from the extraction wells):

$$Raw\ Water\ PCE\ Mass - Finished\ Water\ PCE\ Mass = Mass\ Removed$$

The mass entering the system monthly is determined by calculating a weighted average concentration to consider the pumping strategy at both CLC 18 and CLC 27:

$$Conc_{Raw,calc} = \frac{Conc_{CLC18} \times Vol_{CLC18} + Conc_{CLC27} \times Vol_{CLC27}}{Vol_{CLC18} + Vol_{CLC27}}$$

where $Conc_{Raw,calc}$ = calculated concentration of PCE in raw water
$Conc_{CLC18}$ = concentration of PCE in CLC 18
$Conc_{CLC27}$ = concentration of PCE in CLC 27
Vol_{CLC18} = extracted volume from CLC 18
Vol_{CLC27} = extracted volume from CLC 27

This allows the mass removal calculation to be completed based on data for samples taken directly from the well, along with known volumes of extracted water. An alternative approach would consider the raw water concentration measured in the treatment building after the pump, which includes irregular mixing and impacts of volatilization in the storage tank, and is subject to variation in concentration depending on when the sample is collected (e.g., whether or not CLC 18 is running).

The mass exiting the system is determined by multiplying the treated water volume (calculated as the sum of the volume pumped from CLC 18 and the volume pumped from CLC 27) by the

measured finished water concentration. Where the finished water concentration is below detection limits (all samples to date), the concentration is set to half of the practical quantitation limit (PQL) reported by the laboratory for the purposes of the mass removal calculation:

$$Mass\ Removed = \left(Conc_{Raw,calc} - Conc_{Treated}\right) * Total\ Treated\ Volume$$

where $Conc_{Raw,calc}$ = calculated concentration of PCE in raw water
$Conc_{Treated}$ = concentration of PCE in treated water, or half the PQL

This method of mass removal calculation has been used in all previous annual reports. Table 6a summarizes the weighted concentration of PCE in the raw water before treatment. Table 6a also provides finished water PCE concentrations and monthly totals of the treated water volume. In 2023, 13.4 pounds of PCE was removed, bringing the total PCE mass removed to approximately 141 pounds since system startup (Table 6b). It should be noted that the raw volume and finished volume measurements will not match due to time differences between manual readings for the OSE and automated SCADA system downloads, and timing differences between raw water extraction and treatment and demand-based storage and discharge. Therefore, for consistency, the volumes used were those measured at the wellheads.

The combined weighted concentration of PCE entering the treatment system remained relatively constant throughout the reporting period, with a minimum weighted concentration of 12.8 µg/L in November 2023 and a maximum weighted concentration of 16.7 µg/L in April 2023 (Figure 5). CLC 18 PCE concentrations ranged from a maximum of 4.4 µg/L in June 2023 to a minimum of 2.5 µg/L in January and November 2023, with an average of 3.3 µg/L over the year. The average PCE concentration in CLC 27 was 14.7 µg/L, which is similar to the average reported in the 2022 annual report. The maximum reported PCE concentration in CLC 27 was 17 µg/L in April 2023. The minimum reported PCE concentration was 13 µg/L in November and December 2023.

The treatment system is operating as designed, and is effectively removing PCE; the finished water laboratory analytical results over the reporting period were all below the detection limit of 1.0 µg/L (Table 6a).

3.2 Air Emissions

PCE removed from groundwater in the treatment system is assumed to be released to the atmosphere. Potential air emissions from the air strippers were calculated based on the raw and finished water PCE concentrations. The NMED Air Quality Bureau emissions standards for a no permit required (NPR) designation are 10 pounds per hour and 10 tons per year. The pounds-

per-hour emission rate is calculated by dividing the calculated monthly mass of PCE removed in pounds by the number of hours in a month. The emission rate in tons per year was calculated by summing the calculated mass of PCE removed during the calendar year. The results of these calculations are summarized in Tables 7 and 8. The calculated emission rate for PCE is 6.7×10^{-3} tons per year (Table 8), well below limits, and the NPR designation is valid. Confirmation air samples are collected to verify these results; PCE concentrations in air samples have consistently been below detection limits.

3.3 Summary of Operations

In 2023, the remediation system experienced one interruption in January to replace the CLC 27 well pump. Only minor operational interruptions were experienced following the pump replacement, including regular maintenance events. The two extraction wells, CLC 18 and CLC 27, pumped a combined volume of 116,556,579 gallons of contaminated water, which is approximately 10 million gallons more than in 2022. The daily volumes pumped, per well and combined, are tabulated in Appendix D; the total volume treated each month is provided in Table 6a.

Table 9 provides monthly runtimes and percent runtime for each of the two extraction wells. The system operated for approximately 93 percent of the time during the reporting period. There were approximately 38 days with shutdown times of at least one hour. Runtimes are based on 24/7 operation of CLC 27, although there were days when CLC 18 was pumping while CLC 27 was down. All other components of the treatment system cycle on and off as the raw and finished water tank levels reach their high and low set points. The use of CLC 27 operation as an indicator of remediation system runtime assumes that if water is coming into the system, it is being treated and leaving the system. It is possible that one or more pieces of equipment may be down while still pumping and treating water from CLC 27.

CLC 18 operated for 618 hours during the year at a pumping rate of 88 gpm. CLC 27 operated for 8,155 hours out of a possible 8,760 hours during the reporting period. Following pump replacement in January, CLC 27 pumped at an average rate of 235 gpm when operational. As summarized in the 2022 annual report, the CLC 27 pumping rate declined significantly starting in August 2022. Further investigation determined that the age of the pump (more than 10 years) was causing the decline in production, and that a new pump would be required in order to achieve the required pumping rates. A new pump, motor, and variable frequency drive (VFD) were installed at the end of January 2023. Pumping data from February 2023 indicated that the replacement pump resolved the issue and the pump is running consistently between

230 and 240 gpm. Average pumping rate calculations consider only the operational hours of each remediation well.

Based on monthly maintenance memoranda from LCU staff and hours recorded by the SCADA system, the system was down for approximately 38 days in 2023. Well pump replacement at CLC 27 and scheduled periodic maintenance was performed on the treatment system and required shutting down the system. Additional maintenance is discussed in Section 3.4.

3.4 Summary of Maintenance Records

A Grundfos 230S250-8 pump and MS6000C motor were installed at CLC 27 in January 2023. A custom motor control panel and Danfoss VFD were installed in April 2023. Regular semiannual maintenance was performed on the treatment system in April 2023. Tank level transducers in the raw water and finished water tanks were replaced in July 2023.

4. Groundwater Monitoring and Evaluation

The 2023 annual groundwater monitoring event summarized in this report (including the sampling report in Appendix C) was conducted in November 2023.

During 2023, LCU staff continued to measure depth to groundwater in the appropriate wells on a monthly and quarterly schedule as prescribed in the SAP (DBS&A, 2023), and continued to collect samples from the extraction wells and treatment system each month (Figures 5 and 6). A monthly sample for CLC 27 was not collected in January 2023 on the regular end-of-month schedule due to pump replacement. For the purposes of the mass removal calculation, the average of two samples (December 2022 and February 2023) was used for January 2023. The 2023 annual groundwater water quality sampling and water level measurement monitoring event was completed in November 2023 in accordance with the SAP issued on November 10, 2023. SAP revisions were conditionally approved by EPA correspondence on October 23, 2023. The SAP was formally accepted on December 14, 2023.

Site hydrologic zones are defined as follows:

- Shallow (S) wells: Screened interval elevations range from 3,800 to 3,850 feet above mean sea level (feet msl). This depth interval was formerly referred to as the upper hydrologic zone (UHZ).

- Intermediate (I) wells: Screened interval elevations range from 3,685 to 3,800 feet msl (formerly a component of the lower hydrologic zone [LHZ]).
- Deep (D) wells: Screened interval elevation range from 3,475 to 3,685 feet msl (formerly a component of the lower hydrologic zone [LHZ]).

These designations are used in this report and its associated appendices. Due to the depth intervals assigned to the S/I/D designations, the screened interval of well GWMW-15S lies within the Intermediate Zone, and this well is plotted on the Intermediate Zone map. GWMW-15I is classified as a Deep Zone well along with GWMW-15D.

Figures 7, 8, and 9 show the PCE monitoring results and the plume delineations within the Shallow, Intermediate, and Deep monitoring zones, respectively. A report summarizing the activities and data collection of the annual monitoring event is provided as Appendix C. Survey elevations were provided by CLC in 2018 for all wells in the groundwater monitoring network. A survey of the newly installed monitoring wells was completed in 2021, and used the same reference points to provide consistency between surveys. These two datasets were used in conjunction with the field-measured water levels to calculate the groundwater elevations presented in this report.

4.1 Groundwater Hydrologic and Water Quality Evaluation

A full description of changes in the plume in the Shallow, Intermediate, and Deep Zones is provided in Appendix A. JSAI has updated the groundwater model for the GWP site based on all data collected. The groundwater model updates and their results are summarized in Appendices A and B.

4.1.1 Groundwater Monitoring Program Evaluation

A groundwater monitoring program evaluation report is provided as Appendix A. The purpose of the report is to evaluate the effectiveness of the groundwater sampling and monitoring network in assessing the extent of the plume and the overall progress being made in operating the remedy to achieve the RAOs and remedial goals set forth in the ROD. The evaluation report includes hydrogeologic cross sections, with the vertical extent of the plume defined for each hydrogeologic zone (Appendix A, Figures 4 through 7), time-series graphs showing contaminant concentrations for each monitor and extraction well (Appendix D of the groundwater monitoring evaluation report [Appendix A]), and the horizontal extent of the PCE plume in each hydrogeologic zone (Appendix A, Figures 10, 11, and 12).

4.1.2 Horizontal and Vertical Plume Evaluation

Table 10 lists sampling wells required by the SAP and the number of samples collected during this monitoring period. Table 11 summarizes sample results with detections from the November 2023 annual groundwater sampling event. Results for other evaluated analytes were below the detection limits. Historical PCE results are summarized in Table 12. Complete analytical reports, details regarding well conditions and samples collected, and field notes for the sampling event are included in the groundwater monitoring report (Appendix C).

PCE is the primary contaminant of concern (COC) at the GWP site, and was detected in 2023 at concentrations at or above the MCL of 5 µg/L in samples from wells CLC 27, GWMW-01I, GWMW-10S, GWMW-10I, GWMW-15I, GWMW-16S, GWMW-16D, and MW-SF10. The maximum PCE detection was 30 µg/L in the sample from well GWMW-10I. Figures 7, 8, and 9 show PCE concentrations with Shallow, Intermediate, and Deep Zone plume delineations, respectively. GWMW-15I is the only well in the GWMW-15 cluster with a PCE concentration above the MCL. Well GWMW-15S is classified as an Intermediate Zone well. Thus, the Intermediate Zone plume is not shown on Figure 8 extending to GWMW-15I. Well GWMW-15I is classified as a Deep Zone well along with GWMW-15D, and is depicted on Figure 9.

Although distal monitoring wells locally exhibit concentrations greater than 5 µg/L, concentrations are relatively low in wells at the plume perimeter, and in most cases the plume extents can be reasonably inferred using the existing well network, previous sampling results, and knowledge of groundwater flow directions. Sampling of inactive production wells CLC 19, CLC 20, and CLC 21 in December 2021 further improved delineation of the plume in the Intermediate and Deep Zones. Inferred plume boundaries are indicated by dashed lines on the plume maps (Figures 7, 8, and 9). Identified data gaps and related recommendations are discussed in the following subsections.

4.1.2.1 Horizontal Delineation

The Shallow Zone PCE plume (PCE >5 µg/L) has fluctuated in shape and extent during recent sampling events. The PCE concentration in well GWMW-10S has been below the MCL since the well's installation in 2021 as part of the FLUTe well replacement project, but increased to 6.5 µg/L in 2023. The Shallow zone plume, as depicted in Figure 7, encompasses this data point. The Shallow Zone plume generally remains constrained by the current monitoring network except for the area cross-gradient and north of well MW-SF10 (Figure 7) and east of GWMW-10S. 2024 sampling data from GWMW-10S will help verify the extent of the Shallow Zone plume. The three sampling events prior to November 2023 resulted in PCE concentrations

well below 5 µg/L, and the November 2023 sampling resulted in a concentration of 6.5 µg/L. This data point is important for defining the downgradient extent of the Shallow Zone PCE plume, and an additional data point from 2024 sampling would help establish a trend.

Plume extent in the Intermediate Zone is constrained to the east by well GWMW-15S and to the southwest by GWMW-11I. There are no dedicated Intermediate Zone monitoring wells located north or south of the inferred PCE plume (Figure 8); however, production well CLC 21 and the Paz Park municipal well are located north of the impacted monitoring wells, and are screened partially within the Intermediate Zone. PCE was not detected in well CLC 21 during the December 2021 monitoring event. PCE was not detected in 12 samples collected from the Paz Park well between 1998 and 2017. No PCE was detected in production well CLC 20 south of the plume when it was sampled in December 2021. Due to its proximity to the plume, CLC 20 helps constrain the Intermediate Zone to the southeast.

The horizontal extent of the PCE plume in the Deep Zone is defined by wells GWMW-01D, GWMW-08D, GWMW-09(D1/D2), GWMW-10D, GWMW-11D, CLC 19, and CLC 21 (Figure 9). Well GWMW-15D provides a vertical constraint on the depth of the PCE plume within the Deep Zone, although the horizontal extent remains undefined east of the GWMW-15 well cluster due to the detected concentration at GWMW-15I (screened within the Deep Zone). Groundwater flow is to the west, limiting any potential plume migration to the east (Appendix A). GWMW-10D and production wells CLC 21, Paz Park, and CLC 19 are located north and south of the inferred PCE plume as depicted on Figure 9, and are screened within the Deep Zone. Results from well GWMW-10D continue to provide delineation of the southeastern extent of the plume in the Deep Zone. PCE was not detected in wells CLC 19 or CLC 21 during the December 2021 monitoring event. Historical PCE analytical results from these wells have been below 5 µg/L. PCE was not detected in the 12 samples collected from the Paz Park well between 1998 and 2017.

A data gap exists in the Intermediate and Deep Zones southeast of CLC 27 in the vicinity of Lohman Avenue. Based on recommendations presented in the 2022 annual report (DBS&A, 2024), two new monitoring wells are to be installed approximately 1,750 feet southeast of CLC 27. One will be screened in the Intermediate Zone and one will be screened in the Deep Zone to define the PCE concentration, hydraulic heads, and groundwater gradients in this area south of CLC 27. The location for the new monitoring wells is shown on Figures 1, 8, and 9, as well as the cross section provided in Appendix A, Figure 7. The well location was determined in cooperation with JSP and EPA, and is contingent upon obtaining an access agreement from the

property owner. A well installation plan was submitted on May 31, 2024 and was approved by EPA on July 1, 2024.

4.1.2.2 Vertical Delineation

Monitoring wells GWMW-01, GWMW-10, and GWMW-15 provide delineation of the base of the impacted aquifer (Appendix A, Figures 4 through 7). However, in the area of the highest PCE concentrations, north of production well CLC 27, the deepest monitoring well (GWMW-16D) contains a PCE concentration above the MCL. The screened interval of GWMW-16D is at the top of the Deep Zone, which is nearly the same elevation as that of GWMW-10I, screened at the bottom of the Intermediate Zone. The depth of the impacted aquifer in the vicinity of GWMW-16D is therefore constrained by the data from the surrounding deeper monitoring points. As discussed in the FLUTe well replacement and repair assessment memorandum (DBS&A, 2019), it is possible that PCE was introduced to the Deep Zone via a deteriorated FLUTe well liner in well GWMW-09, which was removed in 2021 and replaced by the dedicated, zone-specific monitoring well GWMW-09D2 (DBS&A, 2019 and 2021b). PCE concentrations in wells GWMW-09D1 and GWMW-09D2 were below the MCL in 2023 and have displayed a generally decreasing trend since installation of these wells.

Previous data analysis indicated that pumping CLC 61 at a high rate could increase downward movement of the PCE plume. Pumping of CLC 61 at rates on the order of 1,500 acre-feet per year (ac-ft/yr) ceased after 2018. CLC 27 pumps directly from the Deep Zone, and creates vertical and horizontal plume containment and capture in the Intermediate and Deep Zones. CLC 61 is screened in a stratigraphic interval below the Deep Zone, and there is no indication that previous pumping at CLC 61 significantly affected the horizontal movement or hydraulic capture of the PCE plume by extraction well CLC 27. No pumping from CLC 61 occurred in calendar year 2023.

Pumping from well CLC 61 was added to the model calibration as part of the 2018 annual report (DBS&A, 2019, Appendix B) in response to increased withdrawals from this well between 2013 and 2018. Modeling indicated that when CLC 61 is pumped at rates greater than 1,500 ac-ft/yr, vertical groundwater flow may increase in areas where the clay layer is absent and potentially affect PCE plume migration. Per JSAI's recommendation, CLC 61 has not been pumped on a regular basis since March 2019.

4.1.2.3 Other Constituents

TCE (a PCE degradation product) was not detected in groundwater at the GWP site during the annual groundwater monitoring event in November 2023. Analytical results for cis-1,2-DCE and trans-1,2-DCE were below reporting limits for all samples collected during the November 2023 monitoring event.

Fuel hydrocarbons continue to be detected in a limited number of samples:

- Benzene was detected in samples from wells GWMW-01D, GWMW-09D2, and GWMW-10D. Benzene concentration in Deep Zone monitoring well GWMW-01D was 8.7 µg/L, which is a decrease from the previous year's result of 16 µg/L. A remediation goal was not established for benzene at the GWP site, as petroleum hydrocarbons are not associated with the CERCLA release and fall under the purview of the New Mexico Petroleum Storage Tank regulations (20.5 NMAC).
- Toluene and MTBE were also detected at low concentrations in the samples from wells GWMW-01D and GWMW-09(D1), respectively (toluene is known to leach from FLUTe liners that were formerly present) (DBS&A, 2019). All concentrations were below the MCLs.

Benzene and other petroleum hydrocarbon concentrations will continue to be monitored as part of the long-term monitoring program. Benzene and toluene concentrations are below levels considered relevant for enhancing PCE degradation by reductive dechlorination (e.g., Wiedemeier et al. [1998] provide a minimum total benzene, toluene, ethylbenzene, and xylenes [BTEX] concentration of 100 µg/L for enhancing reductive dechlorination).

The disinfection byproducts bromodichloromethane and chloroform were detected at low concentrations in the sample from well GWMW-08S (2.7 µg/L and 1.1, respectively) (Table 11). Historically, disinfection byproducts have been detected sporadically in groundwater samples and equipment blanks; these detections are most likely result from cleaning of the sampling equipment.

4.1.3 Hydraulic Gradients

Based on water levels and current hydrologic conditions, hydraulic gradients remain similar to those observed during the previous monitoring event in November 2022, and have not significantly changed since 2019. Better quantification of the groundwater gradients associated with the discrete hydrologic zones has been provided by the FLUTe replacement wells installed

in 2021. In general, groundwater flow directions are well-defined in the GWP area by the existing monitoring network in the Shallow, Intermediate, and Deep Zones.

As stated in Section 3, groundwater elevations in regional wells were measured monthly and quarterly according to the SAP, and measurement of groundwater elevations of the GWP site's monitoring wells occurred in November 2022 as part of the groundwater sampling event. In Appendices A and B, JSAI uses the water level data to define potentiometric surface contour maps for local and regional groundwater gradients at the GWP site. Also included in JSAI's reports are the pumping water levels over the reporting period for the two extraction wells.

As in previous years, the overall regional horizontal hydraulic gradient is fairly flat, with local gradients generally directed toward active extraction wells (Appendix A, Figure 9). Groundwater flow in the Shallow Zone in the GWP vicinity is primarily eastward, with a localized cone of depression evident around extraction well CLC 18. Horizontal gradients in the Intermediate and Deep Zones are generally southward toward a depression formed around CLC 27. Based on water level contours provided by JSAI, the PCE plume in the Intermediate and Deep Zones lies within the capture zone of extraction well CLC 27. The addition of the Intermediate and Deep Zone proposed monitoring wells is intended to verify this evaluation.

The Shallow Zone is bounded by a basal clay layer across a significant portion of the plume area west of well cluster GWMW-10 and monitoring well MW-SF10, as depicted in Figure 3 of Appendix A. Where this layer is present, the hydraulic head difference between the Shallow Zone and underlying aquifer zones was approximately 6 to 10 feet during the 2023 monitoring event, and a downward vertical hydraulic head gradient is present between the Shallow Zone and the underlying Intermediate and Deep Zones (Appendix A). PCE in Shallow Zone groundwater not captured at CLC 18 is believed to move eastward before infiltrating vertically where the clay later is not present, in the vicinity of the GWMW-09 well cluster.

4.2 Optimization Assessment

JSAI completed an assessment of the groundwater extraction well network performance to evaluate whether modification of system operations is warranted to more efficiently and effectively proceed with contaminant mass capture and removal. Recommendations are summarized in Section 8.3 and discussed in greater detail in Appendix B.

5. Permitting and Regulatory Activities

The SOW requires an annual meeting to discuss the results of the previous year's annual report. Additionally, EPA prepares Five Year Review (FYR) reports, the second of which was issued in August 2021 (U.S. EPA, 2021b). The 2021 FYR report concluded that the remedy in place is effective at extracting and treating contaminated groundwater, and found the remedy to be protective in the short term. The report specified additional actions to be taken for the remedy to remain protective in the long term, including continued groundwater monitoring, remediation system optimization, and assessment of the vapor intrusion exposure pathway.

Significant actions initiated based on these events include the following:

- At the request of EPA, wells CLC 19, CLC 20, and CLC 21 were added to the 2021 sampling program to improve delineation of the PCE plume in the Intermediate and Deep Zones and assess the need for additional monitoring wells. Based on comments EPA provided on the 2021 annual report, the sampling frequency of these wells will be changed to align with EPA's future FYR schedule so that monitoring data will be obtained during each FYR period. Per EPA's 2021 request, monitoring at these locations will be performed in calendar year 2024 and every five years thereafter. This change is reflected in the 2023 SAP revision accepted by EPA on December 14, 2023.
- JSP conducted a soil vapor survey including concurrent exterior, sub-slab, and residential indoor air assessments in February 2023 during the heating season. Work was performed in accordance with the SAP approved by EPA on January 3, 2023. The vapor intrusion assessment report was submitted on May 19, 2023 and accepted by EPA on August 9, 2023. As requested by EPA on August 9, 2024, a soil vapor survey is scheduled for summer 2024. A work plan was submitted on May 17, 2024 and accepted by EPA on May 22, 2024.
- In accordance with the institutional control implementation and assurance plan (ICIAP) (DBS&A, 2018a), the JSP is required to contact OSE to verify that no well permits have been issued within the well permitting moratorium area defined by the plume's boundary in 2007 with an additional 500-foot buffer. No new wells have been permitted within the moratorium area. The JSP has also contacted the NMED Ground Water Quality Bureau (GWQB) and the NMED Petroleum Storage Tank Bureau (PSTB) to determine if any new releases have been reported in the plume footprint. No new releases have been reported. The letters to and responses from OSE, GWQB, and PSTB are provided in Appendix F.

6. Difficulties Encountered

Overall, the remediation system is operating at high performance and is well maintained by LCU staff. Minor repairs and downtime are summarized in Sections 3.3 and 3.4, including the replacement of the CLC 27 extraction pump. This section details significant challenges encountered over the reporting period and their completed or intended solutions.

6.1 Wells Dry During Sampling

During the annual groundwater sampling event, monitoring well MW-SF2 contained inadequate volume to sample; therefore, samples could not be collected. The JSP will continue to evaluate water level trends at MW-SF2 and provide recommendations on whether it should be included in future monitoring events.

6.2 Sampling Techniques

The 2020 sampling event demonstrated that the Hydrasleeve is an effective sampling method at the GWP site (DBS&A, 2023). Data collected during this sampling event meet the quality objective of 90 percent completeness, per Table 3 of the SAP (DBS&A, 2023).

6.3 SCADA System

The flow data are automatically recorded from SCADA and are verified by manual daily operations recordings. Due to CLC SCADA and Information Technology (IT) maintenance and upgrades to the SQL servers and OS servers, total flow data were lost and not recorded on November 2, 2023. The CLC SCADA staff verified that the raw and treated total gallons values for the month of November are correct from the on-site flow meter. LCU reviewed data through daily operations recordings for CLC 18, CLC 27, and the groundwater treatment plant (GWTP) to verify that there was water produced at both CLC 18 and CLC 27 on November 2, 2023. The daily total hours and gallons report was revised based on raw water total for November 2023 and the set flow rate for CLC 27 of 235 gpm.

On November 8, 10, 17, and 24, 2023, duplicate data were recorded for CLC 18. LCU verified through operator recordings that there was no water produced on the duplicate dates of November 8, 10, 17, and 24, 2023 at CLC 18. Flow totals and hours from those dates have been removed.

7. Data Validation and Verification

Prior to the groundwater sampling event, JSP's Quality Assurance Manager (QAM) met with the sampling team to review standard operating procedures and sampling methodology and to verify that preparation was completed. During the November 2023 groundwater sampling, the QAM performed a virtual teleconference audit of groundwater sampling tasks completed by the sampling team. The QAM observed and documented compliance between the methods prescribed in the SAP and the methods used by the sampling team.

All data collected for this project undergo a series of review checks to ensure sufficient quality and conformity to the project's data objectives. The data validation and data verification process are important steps used to determine the integrity, suitability, and usability of the data. Data validation and verification were performed to confirm that the data collected via sampling and field measurements are as complete as possible and meet the site-specific data requirements and data quality objectives of the project, as described in the pre-achievement O&M plan (DBS&A, 2018b). Additionally, the SAP provides guidance on indicators of data quality. The data quality indicators are summarized in Table 13.

A report detailing the results of the data validation and verification effort is provided as Appendix G. The data validation report confirms that the air and water samples collected as part of the system monitoring and the subsequent analytical results are of sufficient quality, and therefore meet the project quality control (QC) criteria; groundwater monitoring data are also found to meet the project QC criteria.

8. Conclusions

Significant progress has been made toward achieving RAOs, as follows:

- Through the end of 2023, a total of 1,373,758,641 gallons of groundwater has been extracted from the dissolved-phase plume at the GWP site.
- A total of 140.7 pounds of PCE has been removed from the extracted groundwater, including approximately 13.4 pounds removed in 2023.
- COCs have not been detected in the treated groundwater that has been returned to the public water supply distribution system at the Upper Griggs Reservoir.
- Hydrasleeves continue to be an effective sampling method at the GWP site.

- Groundwater elevation monitoring and groundwater modeling indicate that the area of groundwater containing detections of PCE in the Shallow, Intermediate, and Deep Zones is being captured by CLC 27 pumping.

8.1 Status of Deliverables Required by the Consent Decree

As required by the previous consent decree, the pre-achievement O&M plan (including all appended plans) was revised in October 2018. The plan and all appendices were approved by EPA in a letter dated November 19, 2018. After the Consent Decree was finalized in July 2020, the O&M plan was reviewed to determine if any updates were required to remain in compliance with the most recent SOW; none were identified and the plan was not updated. As required by the SOW (Paragraph 22.f), all plans associated with the pre-achievement O&M plan were reviewed during preparation of this annual report. The SAP was revised to incorporate CLC 19, CLC 20, and CLC 21 into the groundwater monitoring network to be sampled at a frequency corresponding to the FYR schedule. MW-5 was removed from the groundwater monitoring program in this revision as well. The health and safety plan (HASP) was updated in August 2021 to reflect changes to COVID-19 related guidance.

The 2021 annual report was approved by EPA on October 23, 2023 (DBS&A, 2022). The 2022 annual report was submitted on June 29, 2023. Comments were received on November 17, 2023. Due to further data gap evaluation, a revised report was issued March 15, 2024 (DBS&A, 2024). The 2022 annual report was accepted by EPA on June 7, 2024.

The SOW requires an annual meeting to discuss the annual report; a virtual meeting was held on December 7, 2023, and several additional conference calls were held with JSP, EPA, and NMED during 2023.

8.2 Summary of Completed and Planned Work

The following work has been completed to achieve effective O&M of the remedy:

- The recommendations in the 2021 annual report were implemented starting in November 2023 (DBS&A, 2022). CLC 27 pumped 24 hours a day, 7 days a week at an average operational rate of 235 gpm. CLC 18 pumped at approximately 88 gpm for 6 hours a day, 2 days a week January through October, and then 1 day a week for 8 hours a day in November and December.

- The well pump in CLC 27 was replaced in January 2023, and operated within the recommended range during the remainder of 2023.
- The monitoring well network was sampled in accordance with the requirements in the 2020 Consent Decree (effective July 30, 2020) and the 2023 SAP.
- The JSP QAM and designated representatives conducted an audit of the sampling team's techniques and provided feedback on sampling techniques and clarification on items in the site-specific SAP, as needed.

8.3 Recommendations

The JSP proposes the following to complete delineation and improve monitoring and remediation system efficacy:

1. DBS&A and JSAI will perform monthly reviews of LCU-provided SCADA data, including runtime and volume totals, in order to identify discrepancies or issues in a timely manner and improve the quality assurance and quality control (QA/QC) process.
2. Continue to schedule future groundwater sampling to occur prior to the coldest season in Las Cruces (before November to February) to avoid sampling difficulties and freezing conditions.
3. Per the recommendation provided by JSAI in Appendix A, additional water level measurements will be collected during calendar year 2024 to confirm hydraulic capture of the Intermediate and Deep Zone PCE plumes by CLC 27 under varying seasonal demand at regional pumping wells. September 2024 water level measurements will be collected during the annual monitoring event, and will represent the end of regional peak demand pumping conditions. Supplemental December 2024 water level measurements will be collected to document winter low-demand regional pumping conditions. These water level measurements shall not be collected within 30 days of any maintenance purging of inactive system supply wells.
4. Perform the annual groundwater sampling event in September 2024, concurrent with the high-demand season. All data collected in calendar year 2024 will be available for the 2025 FYR by EPA. Monitoring of CLC 61 will be included in the 2024 groundwater sampling event.
5. To address a PCE concentration and groundwater elevation data gap southeast of CLC 27, install an Intermediate and Deep Zone monitoring well pair approximately 1,750 feet southeast of CLC 27, as previously recommended in the 2022 annual report. The final

location has been determined in cooperation with JSP and EPA. JSP provided a work plan to EPA on May 28, 2024 detailing the new monitoring well proposal. EPA approved the proposed location for the new wells on June 7, 2024, and the work plan was approved on July 1, 2024. In the event that initial sample results for GWMW-17I or GWMW-17D (the new monitoring wells) are above the MCL for PCE or any other site VOCs, the JSP will increase the frequency of sampling from every 5 years to annually for CLC 26 and CLC 20.

6. Continue to monitor PCE mass removal rate at CLC 27.
7. Discontinue operation of CLC 18. Annual Shallow Zone monitoring, including CLC 18, will continue. This recommendation was also provided in the 2022 annual report, which was approved by EPA on June 7, 2024. Operation of CLC 18 ceased on July 1, 2024.
8. Monitor PCE concentrations in CLC 18 monthly to determine if concentrations increase after pumping is stopped.
9. Optimize CLC 27 mass removal by performing iterative steps of increased pumping. The optimization testing approach, including start date, pumping increments, and expected duration, will be described in separate work plan and provided to EPA for review and approval. Results of the optimization test will be available for inclusion in the next five-year review report.
10. Evaluate data from CLC 27 optimization testing to determine whether pumping rates higher than 240 gpm can be recommended to accelerate PCE mass removal.
11. Operate CLC 27 at an average pumping rate between 230 and 240 gpm, per JSAI's recommendation in Appendix B. This pumping rate will be maintained until results of the optimization test are reviewed and approved by EPA.
12. While CLC 61 was not pumped in 2023, it is important to note that CLC 61 is a valuable asset to the water system, and monthly pumping to purge the well volume (at a minimum of 0.5 acre-feet) is recommended as a maintenance procedure for all municipal wells. Without routine maintenance, the well screens may become damaged and the well would need to be replaced. Based on the technical evaluation provided in the 2022 annual report, DBS&A recommends a 300 ac-ft/yr withdrawal limit at CLC 61 as a conservative measure. When operational, CLC 61 pumps at an approximate rate of 1,100 gpm, and 300 ac-ft/yr is equivalent to approximately 2 months of continuous operations. The following recommendations apply for CLC 61:

a. Allow LCU to pump CLC 61, as long as the total pumping does not exceed 300 ac-ft/yr. In the event that CLC 61 must be pumped more than 300 ac-ft/yr to meet demand, notify EPA in writing within 30 days. CLC 19, CLC 20, CLC 21, CLC 26, CLC 61, and GWMW-15 (I/D) will be added to the monthly water level monitoring network during the months that CLC 61 is pumping more than the monthly pumping to purge the well volume for maintenance.

b. As part of annual O&M, sample CLC 61 annually and provide a maintenance and pumping summary as part of the annual report.

c. Revise LCU standard operating procedures to include the CLC 61 maximum pumping allowance and sampling requirements.

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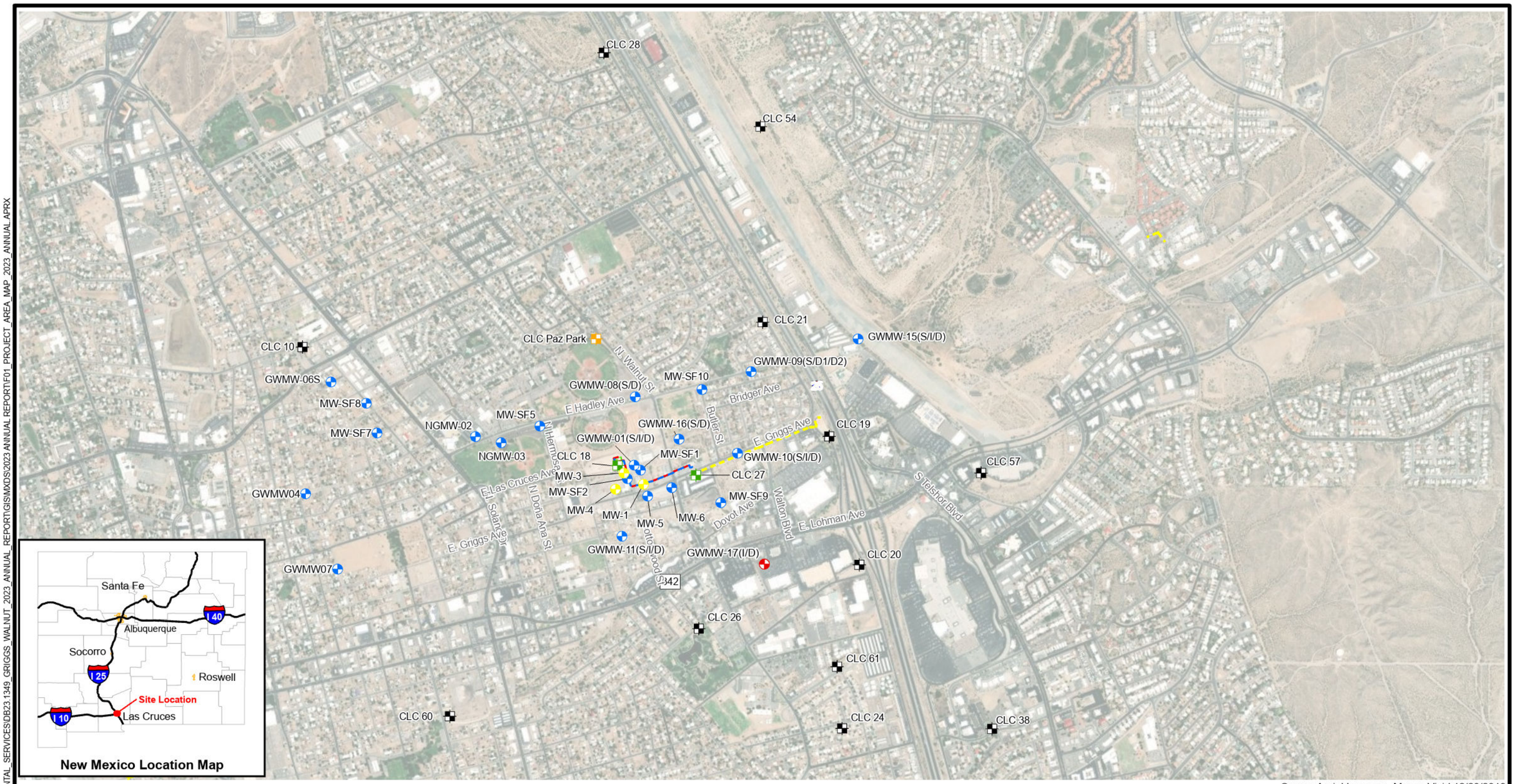
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Figures



Explanation

- Proposed monitoring well
- Monitoring well
- Monitoring well for water level monitoring only
- CLC capture well
- CLC irrigation well
- CLC municipal well
- CLC water reservoir
- Existing 10" water line to reservoir
- 6" raw water line
- 8" treated water line
- Treatment facility

DBS&A a Geo-Logic Company

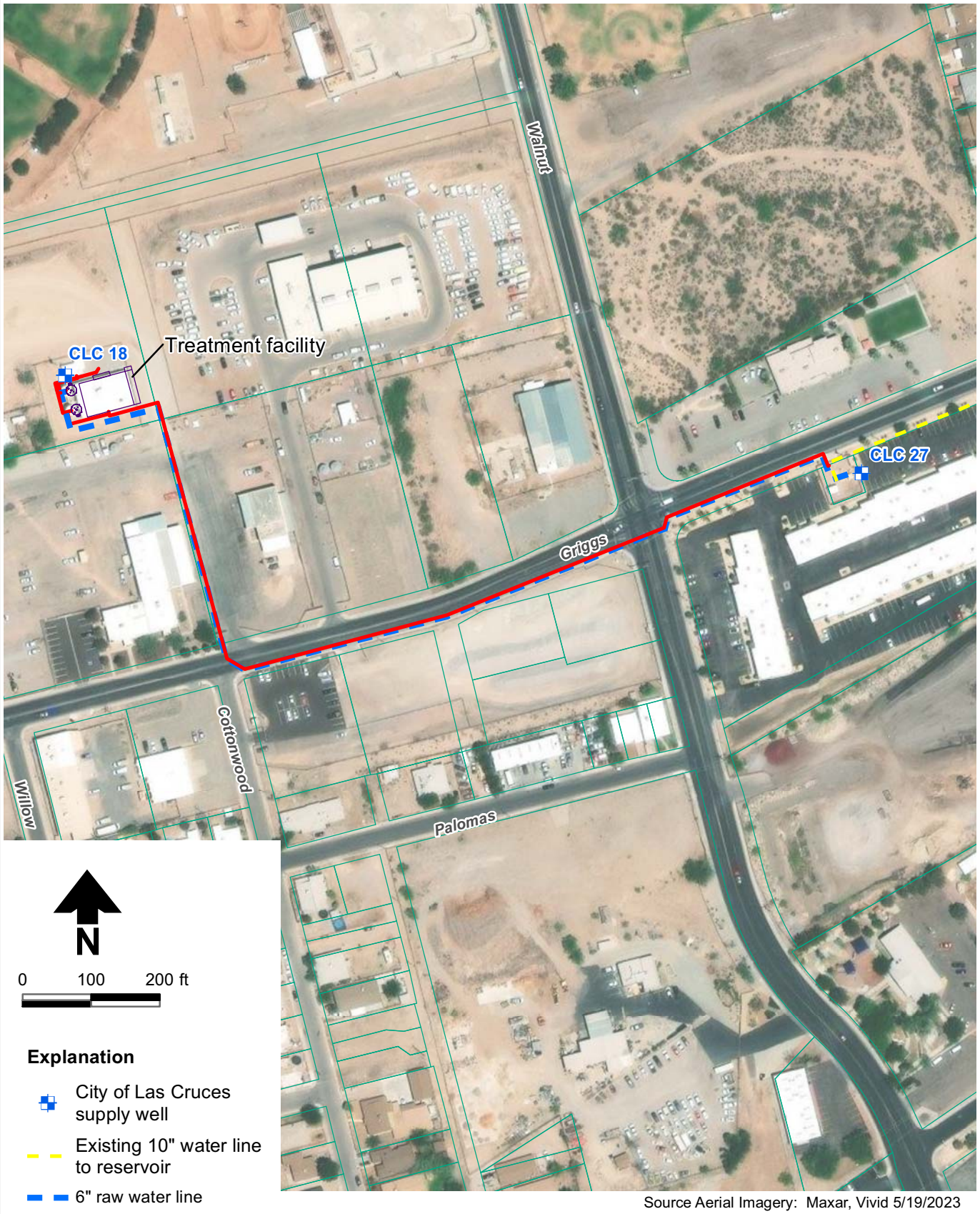
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GRIGGS-WALNUT GROUND WATER PLUME SITE
REMEDIAL ACTION

Project Area Map

Figure 1

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Source Aerial Imagery: Maxar, Vivid 5/19/2023

GRIGGS-WALNUT GROUND WATER PLUME SITE
REMEDIAL ACTION

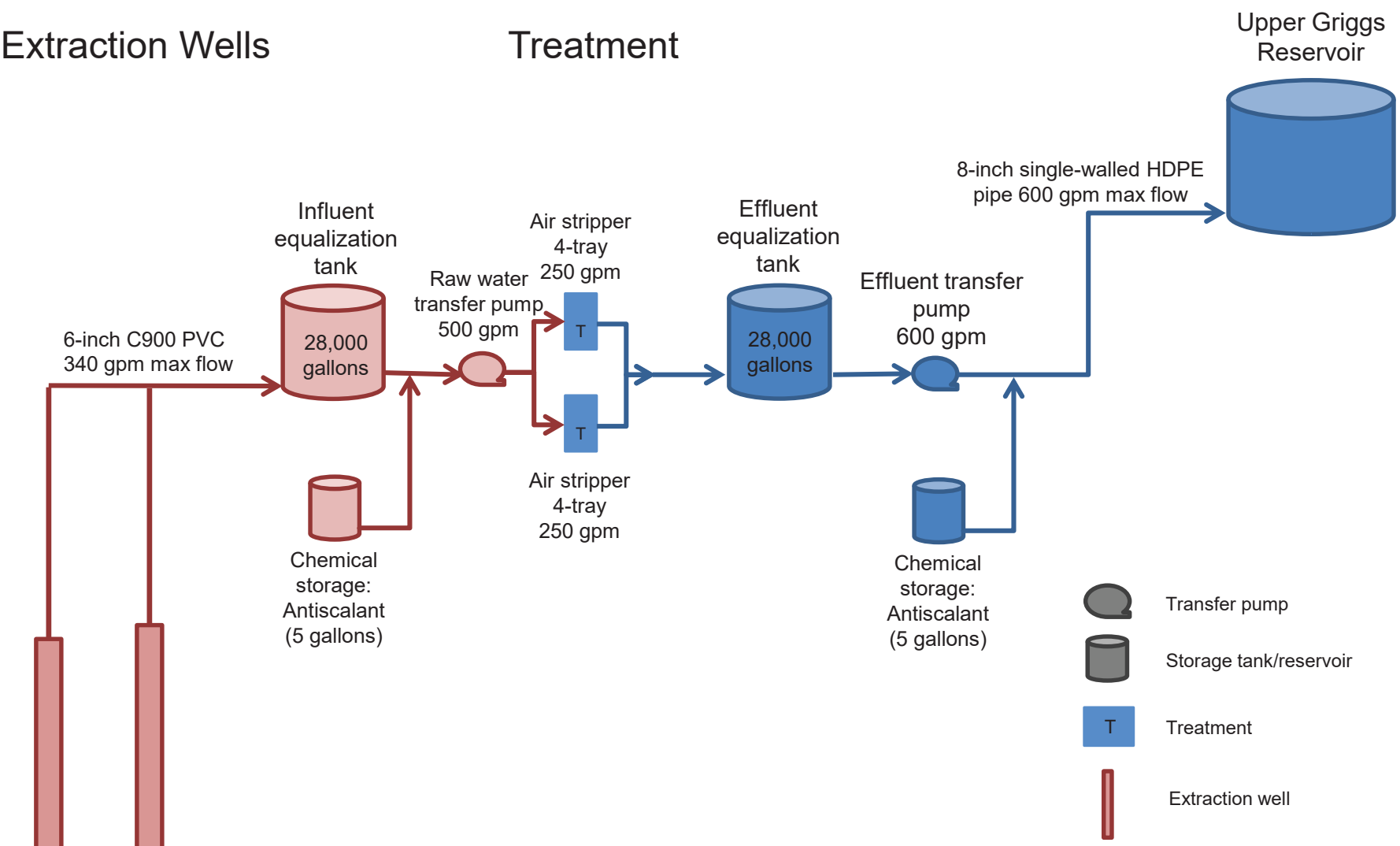
Groundwater Extraction Site

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3/25/2024 JN DB23.1349

Figure 2

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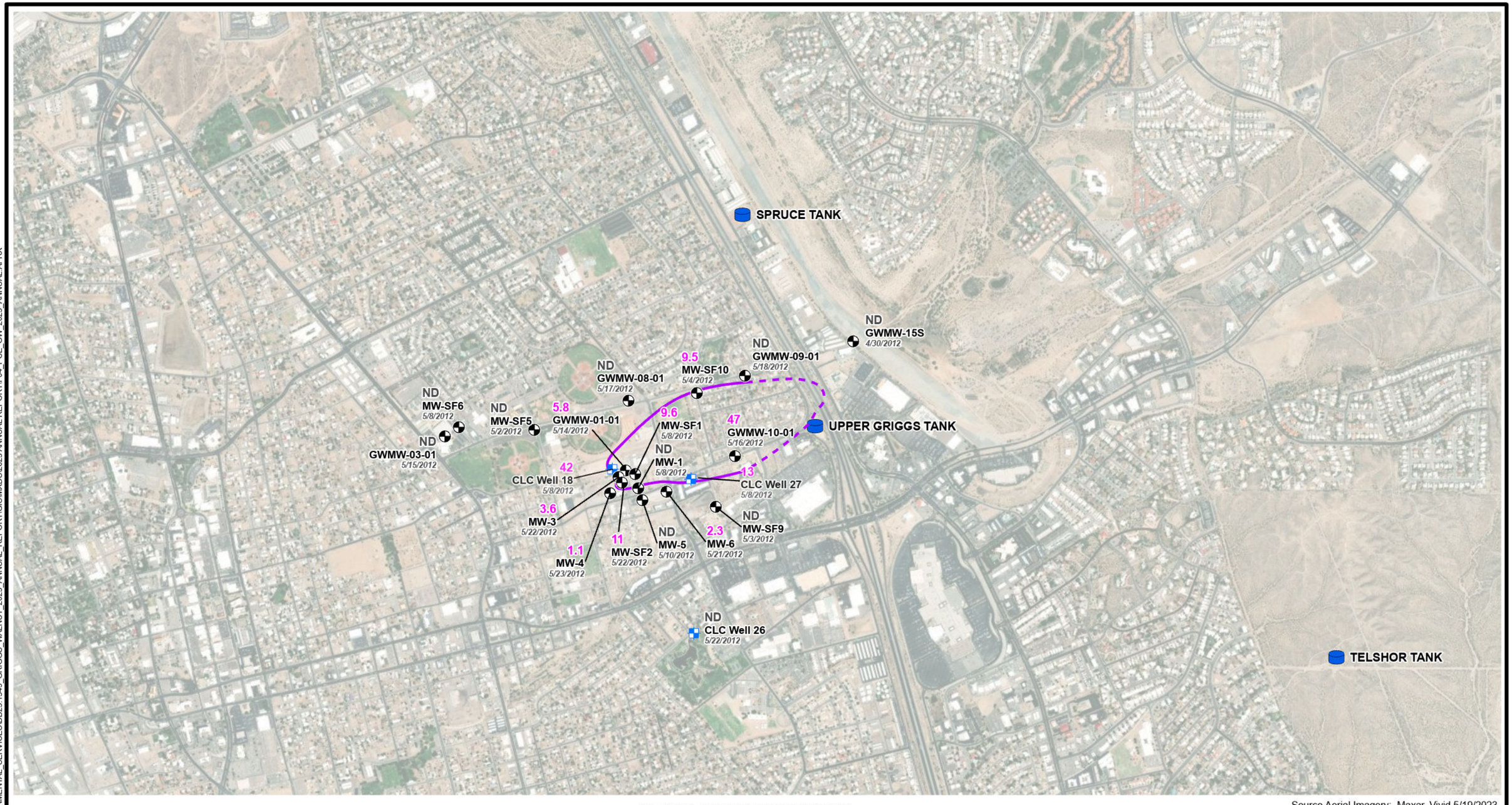
GRIGGS-WALNUT GROUND WATER PLUME SUPERFUND SITE
REMEDIAL ACTION

Remediation System Process Flow

Figure 3

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Source Aerial Imagery: Maxar, Vivid 5/19/2023

Explanation

- Monitoring well
- CLC supply well
- 2.3 Concentration (µg/L)
- MW-6 Well designation (port number)
- 5/21/2012 Sample date

Note: 1. ND = Not detected above reporting limit
2. Plume reflects PCE concentrations as expressed in wells completed across the water table and in the shallowest port in the GWMW wells (Port 1).

N

0 700 1400 ft

DBS&A
a Geo-Logic Company

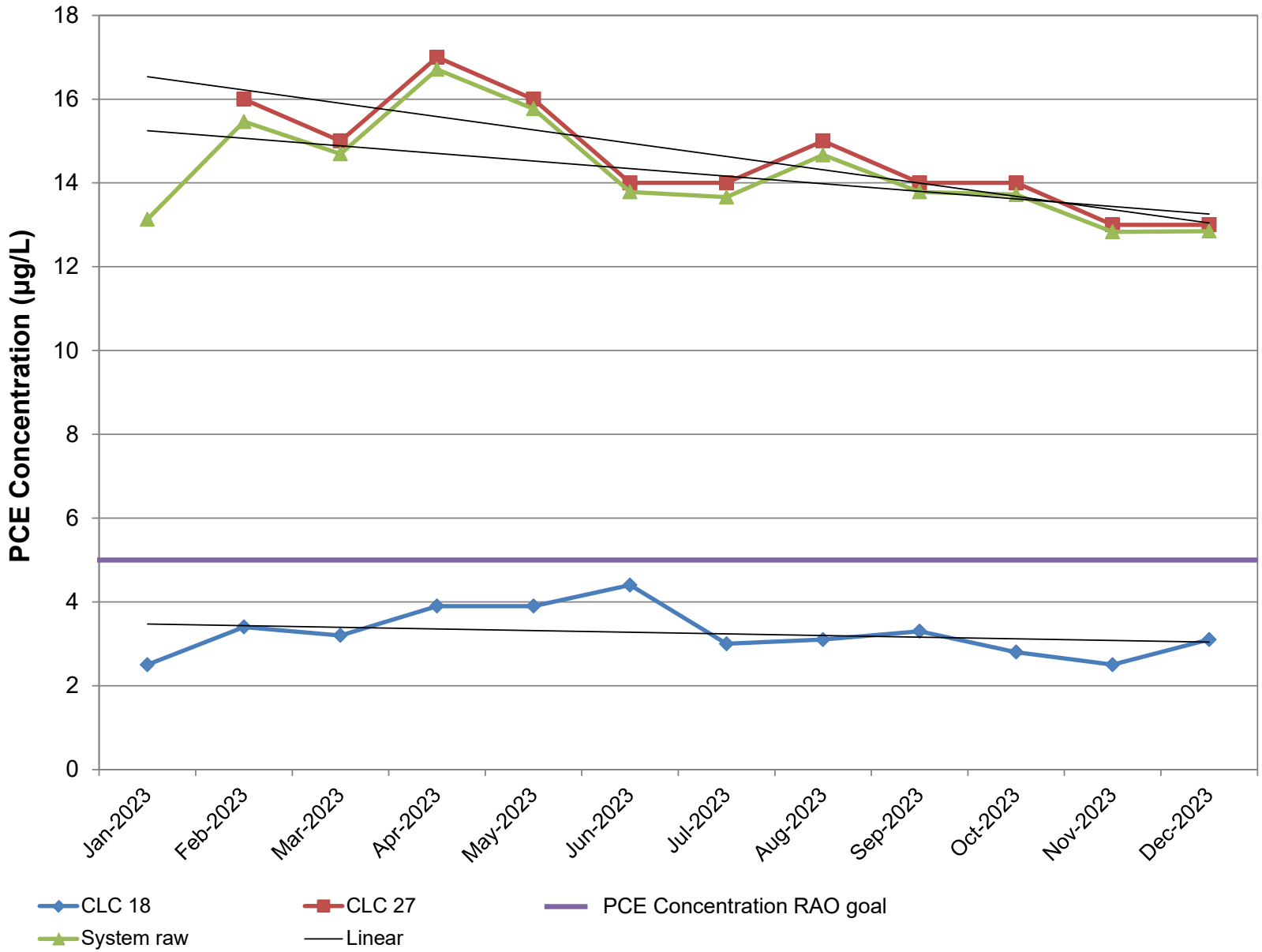
7/11/2024 DB23.1349

GRIGGS-WALNUT GROUND WATER PLUME SITE
REMEDIAL ACTION
PCE in Groundwater, May 2012

Figure 4

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Note: The PCE remedial action objective (RAO) goal is for concentrations to be ≤5 µg/L for drinking water.

GRIGGS-WALNUT GROUND WATER PLUME SUPERFUND SITE
REMEDIAL ACTION

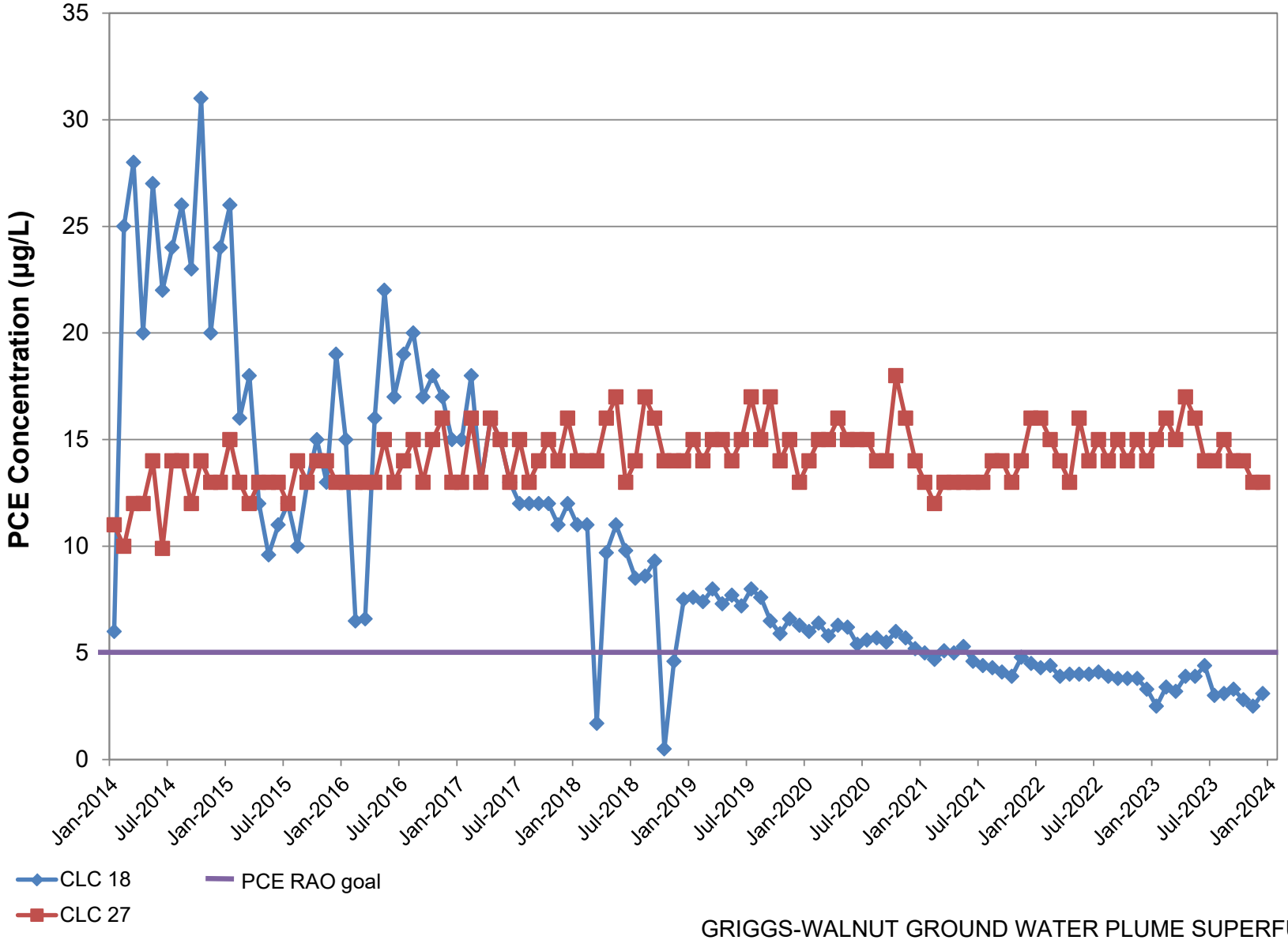
Remediation System PCE Concentration

Figure 5

DBS&A a Geo-Logic Company

7/22/2024 DB23.1349

P:_DB23-1349\2023 GWP Annl Rpt.7-24\Figures\Word\F06_PCE-CLC 18-27.docx



Note: The PCE remedial action objective (RAO) goal is for concentrations to be ≤5 µg/L for drinking water.

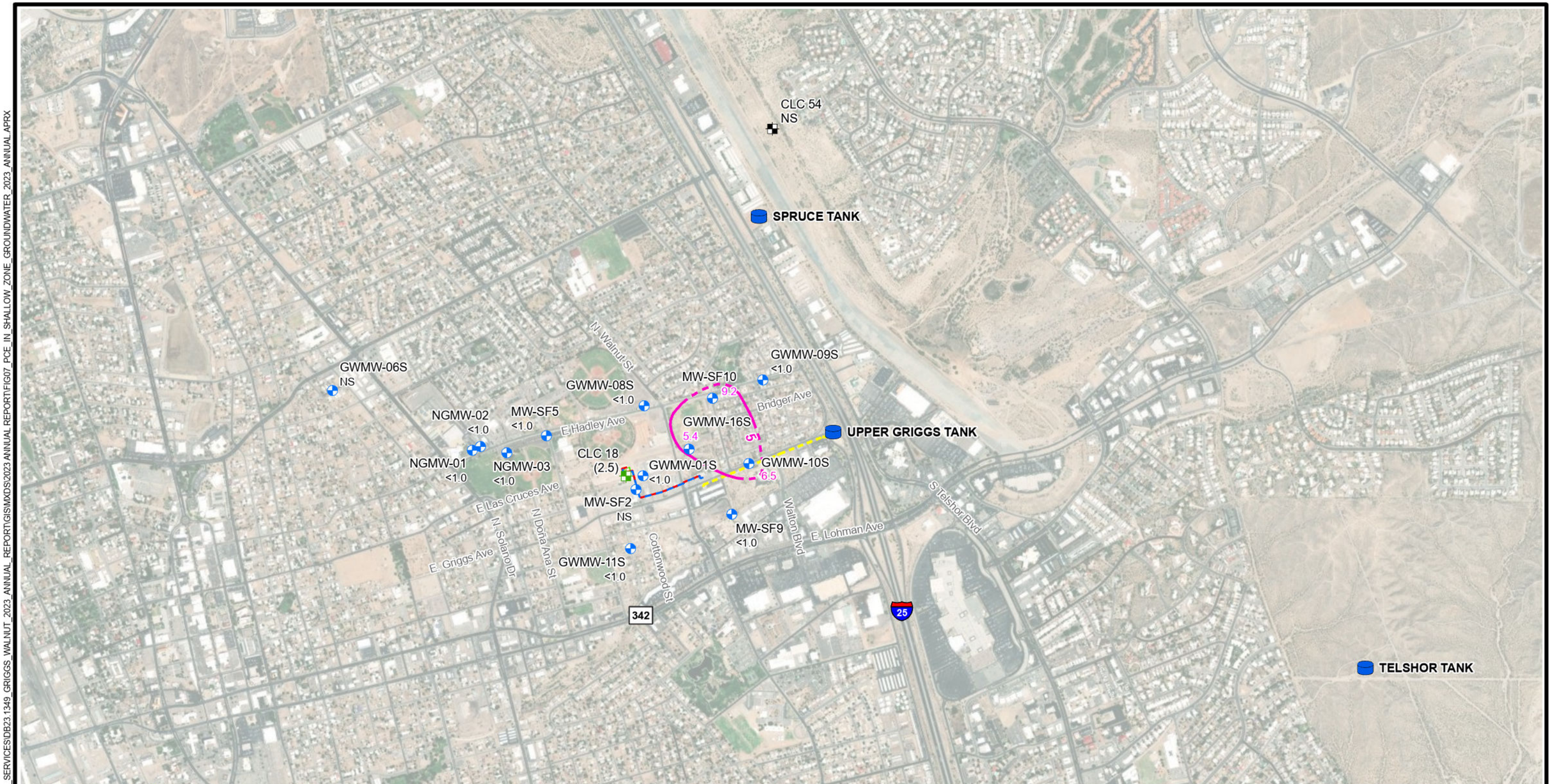
GRIGGS-WALNUT GROUND WATER PLUME SUPERFUND SITE
REMEDIAL ACTION

Monthly PCE Concentration in CLC 18 and CLC 27
January 2014–December 2023

Figure 6

DBS&A
a Geo-Logic Company

7/22/2024 DB23.1349



Source Aerial Imagery: Maxar, Vivid 2021-2023 composit

N

0 700 1400 ft

Explanation

- Monitoring well
- CLC capture well
- CLC municipal well
- NS Not Sampled
- Existing 10" water line to reservoir
- 6" raw water line
- 8" treated water line
- City of Las Cruces water reservoir

Notes:
1. 12 Concentration is above the New Mexico Water Quality Control Commission standard t of 5 µg/L
2. (2.5) CLC 18 screen is in deep zone, however thick gravel envelope allows for commingling of shallow and intermediate zones

DBS&A a Geo-Logic Company

7/11/2024 DB23.1349

GRIGGS-WALNUT GROUND WATER PLUME SITE
REMEDIAL ACTION

PCE in Shallow Zone Groundwater 2023

Figure 7

S:\PROJECTS\ES13.0251_CLC_ENVIRONMENTAL_SERVICES\DB23.1349_GRIGGS_WALNUT_2023_ANNUAL_REPORT\GIS\MXDS\2023 ANNUAL REPORT\FIG07_PCE_IN_SHALLOW_ZONE_GROUNDWATER_2023_ANNUAL_APRX



Source Aerial Imagery: Maxar, Vivid 12/20/2019

Explanation

- Proposed monitoring well
- Monitoring well
- CLC capture well
- CLC irrigation well
- CLC municipal well
- NS = Not Sampled
- Existing 10" water line to reservoir
- 6" raw water line
- 8" treated water line
- City of Las Cruces water reservoir

N

0 700 1400 ft

Notes:
1. GWMW-15S is screened in the Intermediate Zone
2. 33 Concentration is above the New Mexico Water Quality Control Commission standard of 5 µg/L
3. CLC 27 is completed in the Deep Zone
4. CLC 18 screen is in deep zone, however thick gravel envelope allows for commingling of shallow and intermediate zones

DBS&A a Geo-Logic Company

7/11/2024 DB23.1349

GRIGGS-WALNUT GROUND WATER PLUME SITE
REMEDIAL ACTION

PCE in Intermediate Zone Groundwater Wells, November 2023

Figure 8

S:\PROJECTS\ES13.0251_CLC_ENVIRONMENTAL_SERVICES\DB23.1349_GRIGGS_WALNUT_2023_ANNUAL_REPORT\GIS\MXDS\2023 ANNUAL REPORT\FIG08_PCE_IN_INTERMEDIATE_ZONE_GROUNDWATER_2023_ANNUAL_APRX



Source Aerial Imagery: Maxar, Vivid 12/20/2019

N

0 700 1400 ft

Explanation

- Proposed monitoring well
- Monitoring well
- CLC capture well
- CLC irrigation well
- CLC municipal well
- NS Not Sampled
- Existing 10" water line to reservoir
- 6" raw water line
- 8" treated water line
- City of Las Cruces water reservoir

Notes:
1. CLC 18 screen is in deep zone, however thick gravel envelope allows for commingling of shallow and intermediate zones
2. GWMW-15I is screened in the Deep Zone
3. 21 Concentration is above the New Mexico Water Quality Control Commission standard of 5 µg/L
4. *Well CLC 61 completed below the Deep Zone

DBS&A a Geo-Logic Company

7/11/2024 JN DB23.1349

GRIGGS-WALNUT GROUND WATER PLUME SITE
REMEDIAL ACTION

PCE in Deep Zone Groundwater Wells, November 2023

Figure 9

S:\PROJECTS\ES13.0251_CLC_ENVIRONMENTAL_SERVICES\DB23.1349_GRIGGS_WALNUT_2023_ANNUAL_REPORT\GIS\MXDS\2023 ANNUAL REPORT\FIG09_PCE_IN_DEEP_ZONE_GROUNDWATER_2023_ANNUAL_APRX

Tables

Table 1. Air Analytical Method and NMED Air Quality No Permit Required Emissions Standards

Emission	Analytical Method	Maximum Rate	
		lb/hr	ton/yr
Air	8260B	10	10

lb/hr = Pounds per hour
ton/yr = Tons per year

Table 2. Groundwater Analytical Methodologies and Screening Levels

Analyte Class	Analytical Method	Concentration (µg/L)			
		Method Detection Limit [a]	Hall Environmental PQL	EPA MCL	NMWQCC Standard [b]
Benzene	8260B	0.062	1.0	5	5
PCE	8260B	0.13	1.0	5	5
TCE	8260B	0.11	1.0	5	5
1,1-DCE	8260B	0.081	1.0	7	7
cis-1,2-DCE	8260B	0.20	1.0	70	70
trans-1,2-DCE	8260B	0.18	1.0	100	100
MTBE	8260B	0.24	1.0	6.2 [c]	NA
Vinyl chloride	8260B	0.18	1.0	2	2
Arsenic	200.8, ICPMS	0.5	1.0	10	10 [d]
Arsenic speciation	E1632	2	2.0	10	10 [d]
Uranium	200.8, ICPMS	0.5	1.0	30	30 [d]

[a] Method detection limit does not imply reporting limit.
[b] Standards are from 20.6.2.3103 NMAC, effective December 2018.
[c] EPA Region 6 medium-specific screening level (MSSL)
[d] NMWQCC groundwater standards for arsenic and uranium apply to dissolved (filtered) concentrations.

µg/L = Micrograms per liter
EPA = U.S. Environmental Protection Agency
MCL = Maximum contaminant level
NMWQCC = New Mexico Water Quality Control Commission
ICPMS = Inductively coupled plasma mass spectrometry
PCE = Tetrachloroethene
TCE = Trichloroethene
DCE = Dichloroethene
NA = Not applicable
PQL = Practical quantitation limit

Table 3. Remediation System Sampling Frequency

Sample Location	Sample Matrix	Sample Point	Sample Method	Sample Analyses	Large Operational Change Sample Collection Schedule [a]	Normal Operation Sampling and Monitoring Schedule
CLC 18 wellhead	Groundwater	CLC18	Grab	EPA 8260B for VOCs	Sample after first hour of operation. Once per day for days 2 through 6 of system operation.	Sample once per month.
CLC 27 wellhead	Groundwater	CLC27	Grab	EPA 8260B for VOCs	Sample after first hour of operation. Once per day for days 2 through 6 of system operation.	Sample once per month.
Pump P-1 discharge	Groundwater	IS1	Grab	EPA 8260B for VOCs	Sample after first hour of operation of pump P-1. Every other day for first 6 days of operation.	Sample once per month.
Treated water downstream of chlorine disinfection	Groundwater	ES1	Grab	EPA 8260B for VOCs	Sample after first 2 hours of operation of pump P-1. Once per day for days 2 through 6 of system operation.	Sample once per month or as directed.
C-1 treated water	Groundwater	C1	Grab	EPA 8260B for VOCs	Sample after first 2 hours of operation of pump P-1. Once per day for days 2 through 6 of system operation.	Sample quarterly.
C-2 treated water	Groundwater	C2	Grab	EPA 8260B for VOCs	Sample after first 2 hours of operation of pump P-1. Once per day for days 2 through 6 of system operation.	Sample quarterly.
C-1 air stripper emissions	Air	AS1	Grab	EPA 8260B for VOCs	Sample every other day for the first 6 days.	Sample quarterly.
C-2 air stripper emissions	Air	AS2	Grab	EPA 8260B for VOCs	Sample every other day for the first 6 days.	Sample quarterly.

[a] For any large operational change the system will remain offline until startup is completed and normal operation is verified.
VOCs = Volatile organic compounds

Table 4. Alternative Remediation System Sampling Locations

Sample Location	Sample Matrix	Sample Point
Raw water transfer pump after anti-scalant injection	Groundwater	IS2
Tank 2 treated water	Groundwater	ES2

Table 5. Monthly Volume and PCE Concentration of Extracted Groundwater

Month	CLC 18		CLC 27	
	Groundwater Extracted (gallons)	Raw PCE Concentration (µg/L)	Groundwater Extracted (gallons)	Raw PCE Concentration (µg/L)
January 2023	373,846	2.5	2,126,625	15
February 2023	420,122	3.4	9,450,202	16
March 2023	276,472	3.2	10,385,224	15
April 2023	197,862	3.9	8,796,946	17
May 2023	203,267	3.9	10,508,189	16
June 2023	232,944	4.4	10,159,254	14
July 2023	324,408	3.0	10,206,911	14
August 2023	301,511	3.1	10,492,531	15
September 2023	205,940	3.3	10,102,454	14
October 2023	269,593	2.8	10,514,807	14
November 2023	164,537	2.5	10,166,913	13
December 2023	161,454	3.1	10,514,567	13
Total	3,131,956		113,424,623	

PCE = Tetrachloroethene
µg/L = Micrograms per liter

Table 6a. PCE Mass Removed

Month	Weighted PCE Concentration (µg/L)		Volume Treated (gallons)	Mass of PCE Removed (pounds)
	Raw	Finished [a]		
January 2023	13.1	ND	2,500,471	0.3
February 2023	15.5	ND	9,870,324	1.2
March 2023	14.7	ND	10,661,696	1.3
April 2023	16.7	ND	8,994,808	1.2
May 2023	15.8	ND	10,711,456	1.4
June 2023	13.8	ND	10,392,198	1.2
July 2023	13.7	ND	10,531,319	1.2
August 2023	14.7	ND	10,794,042	1.3
September 2023	13.8	ND	10,308,394	1.1
October 2023	13.7	ND	10,784,400	1.2
November 2023	12.8	ND	10,331,450	1.1
December 2023	12.9	ND	10,676,021	1.1
Total			116,556,579	13.4

[a] For mass removal calculations, non-detect results (<1 µg/L) are assumed to be one-half of the detection limit.
PCE = Tetrachloroethene
µg/L = Micrograms per liter
ND = Not detected

Table 6b. Total PCE Removed, 2013-2023

Year	Pounds
2013	8.86
2014	10.25
2015	16
2016	11.1
2017	11.0
2018	13.5
2019	15.2
2020	15.8
2021	13.3
2022	12.2
2023	13.4
Total	140.7

Table 7. Calculated Air Emissions, 2023

Month	Calculated PCE Air Emissions (lb/hr)	Calculated PCE Indoor Air Concentration (µg/m^3)
January 2023	0.000	0.0005
February 2023	0.002	0.0005
March 2023	0.002	0.0005
April 2023	0.002	0.0005
May 2023	0.002	0.0005
June 2023	0.002	0.0005
July 2023	0.002	0.0005
August 2023	0.002	0.0005
September 2023	0.002	0.0005
October 2023	0.002	0.0005
November 2023	0.001	0.0005
December 2023	0.001	0.0005

Note: For a conservative calculation, it is assumed that all mass removed based on water samples is discharged into the air.
PCE = Tetrachloroethene
lb/hr = Pounds per hour

Table 8. Calculated PCE Air Emissions, 2013–2023

Year	Calculated PCE Air Emissions (tons per year)
2013	4.76×10^{-3}
2014	5.93×10^{-3}
2015	5.45×10^{-3}
2016	5.54×10^{-3}
2017	5.52×10^{-3}
2018	6.74×10^{-3}
2019	7.59×10^{-3}
2020	7.91×10^{-3}
2021	6.10×10^{-3}
2022	6.13×10^{-3}
2023	6.70×10^{-3}

PCE = Tetrachloroethene

Table 9. Monthly Runtime, 2023

Month	Total Runtime (hours)	Percent Runtime
January 2023	256	34.4%
February 2023	672	100.0%
March 2023	742	99.7%
April 2023	630	87.6%
May 2023	744	100.0%
June 2023	720	100.0%
July 2023	727	97.7%
August 2023	743	99.9%
September 2023	715	99.3%
October 2023	744	100.0%
November 2023	718	99.7%
December 2023	744	100.0%
Total	8,155	93.09%

Note: Runtimes are based on the operation of CLC 27 (essentially 24/7). All other components of the treatment system cycle on and off with tank levels. The use of CLC 27 operation assumes that if water is coming into the system, it is being treated and leaving the system. It is possible that one or more pieces of equipment may be down, but if CLC 27 is operating, water is being treated and the overall system is operating.

Table 10. November 2023 Sampled Monitoring Wells
Page 1 of 2

Sample Location [a] (Well ID)	No. of Samples Collected	Hydrogeologic Zone	Required Number of Samples	Notes
CLC 18	1	Shallow/ Intermediate/ Deep [b]	1	Sample collected represents the Shallow Zone (see Appendix A).
CLC 19	0	Deep	0	Sampled in 2021 by EPA request in comments regarding the 2020 annual report. Additional comments indicate sampling in calendar year (CY) 2024 for the next five-year review (FYR) and every five years thereafter for subsequent FYRs.
CLC 20	0	Intermediate/ Deep	0	Sampled in 2021 by EPA request in comments regarding the 2020 annual report. Additional comments indicate sampling in CY2024 for the next FYR and every five years thereafter for subsequent FYRs.
CLC 21	0	Intermediate/ Deep	0	Sampled in 2021 by EPA request in comments regarding the 2020 annual report. Additional comments indicate sampling in CY2024 for the next FYR and every five years thereafter for subsequent FYRs.
CLC 27	1	Deep	1	
GWMW-01S	1	Shallow	1	
GWMW-01I	1	Intermediate	1	
GWMW-01D	1	Deep	1	
GWMW-08S	1	Shallow	1	
GWMW-08D	2	Deep	1	Number of samples includes duplicate.
GWMW-09S	1	Shallow	1	
GWMW-09D1	1	Deep	1	Number of samples includes duplicate.
GWMW-09D2	1	Deep	1	
GWMW-10S	1	Shallow	1	
GWMW-10I	1	Intermediate	1	
GWMW-10D	1	Deep	1	
GWMW-11S	1	Shallow	1	
GWMW-11I	1	Intermediate	1	
GWMW-11D	2	Deep	1	Number of samples includes duplicate.

Notes are provided at the end of the table.

Table 10. November 2023 Sampled Monitoring Wells
Page 2 of 2

Sample Location [a] (Well ID)	No. of Samples Collected	Hydrogeologic Zone	Required Number of Samples	Notes
GWMW-15S	1	Intermediate	1	
GWMW-15I	1	Deep	1	
GWMW-15D	1	Deep	1	
GWMW-16S	1	Shallow	1	
GWMW-16D	1	Deep	1	
MW-SF2	0	Shallow	1	Collected volume was insufficient for sampling.
MW-SF5	1	Shallow	1	
MW-SF9	1	Shallow	1	
MW-SF10	2	Shallow	1	Number of samples includes duplicate.
NGMW-01	1	Shallow	1	
NGMW-02	1	Shallow	1	
NGMW-03	1	Shallow	1	

[a] Well designation indicates that the well is screened in the following corresponding zones (except where noted):
S = Shallow
I = Intermediate
D = Deep

[b] Well screen is in Deep Zone; however, thick gravel envelope allows for comingling of Shallow and Intermediate Zones.

Table 11. Groundwater Analytical Results for Detected Constituents, November 2023
Page 1 of 3

Sample Location (Well ID)	Well Zone Designation	Sample Method	Concentration (µg/L)							
			Benzene	Toluene	MTBE	PCE	Bromo-dichloro-methane	Chloroform	Arsenic	Uranium
		EPA MCL	*5*	*1,000*	*6.2*	*5*	*80* [a]	*80* [a]	*10*	*30*
		NMWQCC Standard [b]	*5*	*1,000*	*100*	*5*	*80*	*100*	*10*	*30*
CLC 18	S/I/D [c]	Grab	<1.0	<1.0	<1.0	2.5	<1.0	<1.0	0.002	0.025
CLC 27	D	Grab	<1.0	<1.0	<1.0	**13**	<1.0	<1.0	0.0031	0.023
GWMW-01S	S	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-01I	I	Hydrasleeve	<1.0	<1.0	<1.0	**15**	<1.0	<1.0	—	—
GWMW-01D	D	Hydrasleeve	**8.7**	1.2	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-08S	S	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	2.7	1.1	—	—
GWMW-08D	D	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-08D (DUP)	D	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-09S	S	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-09D1	D	Hydrasleeve	<1.0	<1.0	1.2	2.2	<1.0	<1.0	—	—
GWMW-09D2	D	Hydrasleeve	1.4	<1.0	<1.0	1.7	<1.0	<1.0	—	—
GWMW-10S	S	Hydrasleeve	<1.0	<1.0	<1.0	**6.5**	<1.0	<1.0	—	—
GWMW-10I	I	Hydrasleeve	<1.0	<1.0	<1.0	**30**	<1.0	<1.0	—	—
GWMW-10D	D	Hydrasleeve	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-11S	S	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-11I	I	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-11D	D	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—

Notes are provided at the end of the table.

Table 11. Groundwater Analytical Results for Detected Constituents, November 2023
Page 2 of 3

Sample Location (Well ID)	Well Zone Designation	Sample Method	Concentration (µg/L) Benzene	Toluene	MTBE	PCE	Bromo-dichloro-methane	Chloroform	Arsenic	Uranium
		EPA MCL	*5*	*1,000*	*6.2*	*5*	*80* [a]	*80* [a]	*10*	*30*
		NMWQCC Standard [b]	*5*	*1,000*	*100*	*5*	*80*	*100*	*10*	*30*
GWMW-11D (DUP)	D	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-15S	I	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-15I	D	Hydrasleeve	<1.0	<1.0	<1.0	**19**	<1.0	<1.0	—	—
GWMW-15D	D	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
GWMW-16S	S	Hydrasleeve	<1.0	<1.0	<1.0	**5.4**	<1.0	<1.0	—	—
GWMW-16D	D	Hydrasleeve	<1.0	<1.0	<1.0	**24**	<1.0	<1.0	—	—
MW-SF2	S	Hydrasleeve	Not sampled							
MW-SF5	S	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
MW-SF9	S	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
MW-SF10	S	Hydrasleeve	<1.0	<1.0	<1.0	**9.2**	<1.0	<1.0	—	—
MW-SF10 (DUP)	S	Hydrasleeve	<1.0	<1.0	<1.0	**9.4**	<1.0	<1.0	—	—
NGMW-01	S	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
NGMW-02	S	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—
NGMW-03	S	Hydrasleeve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—

Notes are provided on the next page.

Table 11. Groundwater Analytical Results for Detected Constituents, November 2023
Page 3 of 3

Bold indicates that value exceeds the U.S. Environmental Protection Agency (EPA) maximum contaminant level (MCL) or New Mexico Water Quality Control Commission (NMWQCC) standard.
Note: This table only includes detected analytes. Results for all other analytes were below laboratory reporting limits.

[a] EPA Region 6 medium-specific screening level (MSSL) for total trihalomethanes, including bromodichloromethane and chloroform.

[b] Standards from 20.6.2.3103 NMAC, effective December 2018.

[c] Well CLC 18 screen is in Deep Zone; however, thick gravel envelope allows for comingling of Shallow and Intermediate Zones.

µg/L = Micrograms per liter
S = Shallow Zone
I = Intermediate Zone
D = Deep Zone
— = Not analyzed

Table 12. PCE Results for Annual Groundwater Sampling, 2012–2023
Page 1 of 6

Well	PCE Concentration (µg/L)										
	2012	2013	2014	2015	2016	2018	2019	2020 [a]	2021	2022	2023
CLC Paz Park Well	<1.0	<1.0	<1.0	<1.0	<1.0	—	— [b]	—	—	—	—
CLC 18	**56**	2.7	**6**	**13**	**15**	1.4	**6.6** [c]	**5.1**	4.5	3.8	2.5
CLC 19	—	—	—	—	—	—	—	—	<1.0	—	—
CLC 20	—	<1.0	<1.0	<1.0	<1.0	—	<1.0	—	<1.0	—	—
CLC 21	—	—	—	—	—	—	—	—	<1.0	—	—
CLC 26	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	—	—	—
CLC 27	**13**	**14**	**11**	**14**	**13**	**13**	**13** [c]	**13**	**16**	**15**	**13**
CLC 57	—	<1.0	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—
CLC 61	—	—	—	—	—	—	<1.0	—	—	—	—
GWMW-01S	—	—	—	—	—	—	—	1.8	1.5	1.2	<1.0
GWMW-01I	—	—	—	—	—	—	—	**20** [d]	**10**	**7.8**	**15**
GWMW-01D	—	—	—	—	—	—	—	1.6	<1.0	<1.0	<1.0
GWMW-01-01	**5.8**	**11**	1.3	3.8	**9.8**	5 Rf	— [e]	—	—	—	—
GWMW-01-02	<1.0	<1.0	<1.0	<1.0	—	5.3 Rf	— [e]	—	—	—	—
GWMW-01-03	2.7	3.2	2	1.6	**7**	4.3 Rf	— [e]	—	—	—	—
GWMW-01-04	<1.0	<1.0	<1.0	<1.0	<1.0	3.7 Rf	— [e]	—	—	—	—
GWMW-01-05	3.2	<1.0	<1.0	<1.0	<1.0	2.3 Rf	— [e]	—	—	—	—
GWMW-01-06	**11**	**14**	**8**	2.4	4.7	<1.0 Rf	— [e]	—	—	—	—
GWMW-01-07	3.2	3.6	2.3	<1.0	<1.0	<1.0 Rf	— [e]	—	—	—	—
GWMW-03-01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 Rf	— [e]	—	—	—	—
GWMW-03-02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 Rf	— [e]	—	—	—	—

Notes are provided at the end of the table.

Table 12. PCE Results for Annual Groundwater Sampling, 2012–2023
Page 2 of 6

Well	PCE Concentration (µg/L)										
	2012	2013	2014	2015	2016	2018	2019	2020 [a]	2021	2022	2023
GWMW-03-03	<1.0	<1.0	<1.0	<1.0	—	<1.0 Rf	— [e]	—	—	—	—
GWMW-03-04	—	<1.0	<1.0	—	—	—	— [e]	—	—	—	—
GWMW-03-05	<1.0	<1.0	<1.0	—	<1.0	—	— [e]	—	—	—	—
GWMW-03-06	<1.0	<1.0	<1.0	<1.0	<1.0	—	— [e]	—	—	—	—
GWMW-06S	—	—	—	—	—	—	—	2.0	—	—	—
GWMW-06-01	—	—	—	—	—	<1.0 Rf	— [e]	—	—	—	—
GWMW-06-02	—	—	—	—	—	<1.0 Rf	— [e]	—	—	—	—
GWMW-08S	—	—	—	—	—	—	—	<1.0	<1.0	<1.0	<1.0
GWMW-08D	—	—	—	—	—	—	—	<1.0	<1.0	<1.0	<1.0
GWMW-08-03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 Rf	— [e]	—	—	—	—
GWMW-08-04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 Rf	— [e]	—	—	—	—
GWMW-08-05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 Rf	— [e]	—	—	—	—
GWMW-08-06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 Rf	— [e]	—	—	—	—
GWMW-08-07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 Rf	— [e]	—	—	—	—
GWMW-09S	—	—	—	—	—	—	—	<1.0	<1.0	<1.0	<1.0
GWMW-09D1	—	—	—	—	—	—	—	**5.7**	4.3	**5.4**	2.2
GWMW-09D2	—	—	—	—	—	—	—	**12**	**6.9**	4.9	1.7
GWMW-09-01	<1.0	<1.00	<1.0	<1.0	<1.0	<1.0 Rf	— [e]	—	—	—	—
GWMW-09-02	1.3	**<20**	<1.0	<1.0	**13**	<1.0 Rf	— [e]	—	—	—	—
GWMW-09-03	<1.0	<1.00	1	**5.1**	**9.2**	<1.0 Rf	— [e]	—	—	—	—
GWMW-09-04	1.2	<1.0	**7.9**	**11**	**19**	<1.0 Rf	— [e]	—	—	—	—

Notes are provided at the end of the table.

Table 12. PCE Results for Annual Groundwater Sampling, 2012–2023
Page 3 of 6

Well	PCE Concentration (µg/L)										
	2012	2013	2014	2015	2016	2018	2019	2020 [a]	2021	2022	2023
GWMW-09-05	1.7	<1.00	1.5	**16**	<1.0	1.6 Rf	— [e]	—	—	—	—
GWMW-09-06	<1.0	<1.00	<1.0	<1.0	<1.0	2 Rf	— [e]	—	—	—	—
GWMW-09-07	<1.0	<1.00	<1.0	<1.0	**5.1**	<1.0 Rf	— [e]	—	—	—	—
GWMW-10S	—	—	—	—	—	—	—	3.9	2.9	3.1	**6.5**
GWMW-10I	—	—	—	—	—	—	—	**26**	**13**	**33 A1**	**30**
GWMW-10D	—	—	—	—	—	—	—	1.6	1.2	1.3 A1	<1.0
GWMW-10-01	**47**	<1.0	**26**	1.2	**17**	8.3 Rf	— [e]	—	—	—	—
GWMW-10-02	**14**	**7.1**	**11**	4.4	**18**	12 Rf	— [e]	—	—	—	—
GWMW-10-03	**45**	**42**	**25**	1.8	**16**	11 Rf	— [e]	—	—	—	—
GWMW-10-04	4.5	3.7	1.3	1.2	**13**	11 Rf	— [e]	—	—	—	—
GWMW-10-05	<1.0	<1.0	<1.0	<1.0	**9**	10 Rf	— [e]	—	—	—	—
GWMW-10-06	<1.0	<1.0	<1.0	<1.0	**7.3**	9.6 Rf	— [e]	—	—	—	—
GWMW-10-07	<1.0	<1.0	<1.0	4.2	**7.5**	**9.5**	— [e]	—	—	—	—
GWMW-11S	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GWMW-11I	<1.0	<1.0	<1.0	2	1.8	4.3	3.3	2.8	3.6	1.9	<1.0
GWMW-11D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GWMW-15S	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GWMW-15I	2.3	<1.0	1.1	**6.1**	**5.6**	**19**	**17**	**9.2**	**22**	**21**	**19**
GWMW-15D	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	1.4	<1.0
GWMW-16S	—	—	—	1.6	4.9	**5.1**	**8.7**	2.5	4.6	**6.5**	**5.4**
GWMW-16D	—	—	—	3.1	**5.0**	**16**	**15**	**21**	**23**	**24**	**24**

Notes are provided at the end of the table.

Table 12. PCE Results for Annual Groundwater Sampling, 2012–2023
Page 4 of 6

Well	PCE Concentration (µg/L)										
	2012	2013	2014	2015	2016	2018	2019	2020 [a]	2021	2022	2023
MW-1	<1.00	<5	<1.0	2.1	2.9	—	—[f]	—	—	—	—
MW-3	3.6	2.4	<1.0	—	—	—	—[f]	—	—	—	—
MW-4	1.1	4.2	1.6	—	—	—	—[f]	—	—	—	—
MW-5	<1.0	<1.0	<1.0	—	—	—	— (dry)	— (dry)	Dry	Dry	—
MW-6	2.3	—	—	—	—	—	—[b]	—	—	—	—
MW-SF1	**9.6**	—	—	—	—	—	—[b]	—	—	—	—
MW-SF2	**11**	**7.5**	—	—	—	—	3.3 (dry)	3.8	3.1	1.8	—
MW-SF4	—	—	<1.0	—	—	—	—[b]	—	—	—	—
MW-SF5	<1.0	<1.0	<1.0	1.1	1.1	—	<1.0	<1.0	<1.0	<1.0	<1.0
MW-SF6	<1.0	<1.0	<1.0	<1.0	<1.0	—	—[b]	—	—	—	—
MW-SF9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-SF10	**9.5**	**12**	—	**23**	**21**	**16**	**11**	**12**	**9.5**	**12**	**9.2**
NGMW-01	—	—	—	—	—	—	—	<1.0	<1.0	<1.0	<1.0
NGMW-01-01	—	—	—	—	—	<1.0	—[b]	—	—	—	—
NGMW-01-02	—	—	—	—	—	<1.0	—[b]	—	—	—	—
NGMW-01-03	—	—	—	—	—	<1.0	—[b]	—	—	—	—
NGMW-01-04	—	—	—	—	—	<1.0	—[b]	—	—	—	—
NGMW-01-05	—	—	—	—	—	<1.0	—[b]	—	—	—	—
NGMW-01-06	—	—	—	—	—	<1.0	—[b]	—	—	—	—
NGMW-01-07	—	—	—	—	—	<1.0	—[b]	—	—	—	—
NGMW-02	—	—	—	—	—	—	—	<1.0	<1.0	<1.0	<1.0

Notes are provided at the end of the table.

Table 12. PCE Results for Annual Groundwater Sampling, 2012–2023
Page 5 of 6

Well	PCE Concentration (µg/L)										
	2012	2013	2014	2015	2016	2018	2019	2020 [a]	2021	2022	2023
NGMW-02-01	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-02-02	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-02-03	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-02-04	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-02-05	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-02-06	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-02-07	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-03	—	—	—	—	—	—	<1.0 [g]	<1.0	<1.0	<1.0	<1.0
NGMW-03-01	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-03-02	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-03-03	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-03-04	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-03-05	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-03-06	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-03-07	—	—	—	—	—	<1.0	— [b]	—	—	—	—
NGMW-03-08	—	—	—	—	—	<1.0	— [b]	—	—	—	—

Notes are provided on the next page.

Table 12. PCE Results for Annual Groundwater Sampling, 2012–2023
Page 6 of 6

Bold indicates that value exceeds the applicable U.S. Environmental Protection Agency (EPA) maximum contaminant level (MCL) or New Mexico Water Quality Control Commission (NMWQCC) standard of 5 micrograms per liter (µg/L).

[a] Due to replacement of FLUTe wells, 2020 annual groundwater sampling was conducted in March/April 2021.

[b] Not included for annual sampling in the sampling and analysis plan (SAP).

[c] Sample collected as part of monthly system sampling.

[d] Two primary samples were collected during the 2020 sampling event. Posted PCE value is the higher of the two results.

[e] FLUTe well not sampled due to loss of liner integrity.

[f] Not sampled because the SAP indicates that well is included for water level monitoring only

[g] SAP specifies collection of one sample from NGMW-03, but does not specify which interval. A grab sample was collected from near the top of screen.

PCE = Tetrachloroethene
— = Not sampled
Rf = Rejected, the data are unusable. FLUTe well liner lacks integrity.
A1 = Sample not collected according to SOP

Table 13. Data Quality Indicators

Indicator Parameter	Analytical Parameter	QC Sample	Acceptance Criteria for Laboratory Analysis
Accuracy (percent recovery)	VOCs	MS, MSD Blanks	50 to 150 percent recovery Less than CRQL
Precision (RPD)	VOCs	MS, MSD Field duplicates	30 percent RPD 50 percent RPD
Sensitivity (quantification limits)	Analytical tests	MS, MD, MSD Field duplicates	Per Table 2
Completeness	The objective for data completeness is 90 percent.		
Representativeness	The sampling network analytical methods for this site are designed to provide data that are representative of site conditions.		
Comparability	The use of standard published sampling and analytical methods and the use of QC samples will ensure data of known quality. These data can be compared to other data of known quality.		

QC = Quality control
VOC = Volatile organic compound
MS = Matrix spike
MD = Matrix duplicate
MSD = Matrix spike duplicate
CRQL = Contract-required quantitation limit
RPD = Relative percent difference

Appendix A

Groundwater Program Evaluation Report

DBS&A
a Geo-Logic Company

JULY 2024

REVISED OCTOBER 2024

CALENDAR YEAR 2023
GROUNDWATER PROGRAM EVALUATION REPORT
GRIGGS AND WALNUT GROUNDWATER PLUME SUPERFUND SITE
LAS CRUCES, NEW MEXICO

prepared for

City of Las Cruces NEW MEXICO

DONA ANA COUNTY NEW MEXICO

DBS&A
a Geo-Logic Company

JSAI

JOHN SHOMAKER & ASSOCIATES, INC.
WATER-RESOURCE AND ENVIRONMENTAL CONSULTANTS
ALBUQUERQUE, NM * www.shomaker.com * 505-345-3407

CALENDAR YEAR 2023
GROUNDWATER PROGRAM EVALUATION REPORT
GRIGGS AND WALNUT GROUNDWATER PLUME SUPERFUND SITE, LAS CRUCES, NEW MEXICO

prepared by

Steven T. Finch, Jr., CPG, PG
Annie McCoy, CPG
Frances Grishkina-Santangelo
JOHN SHOMAKER & ASSOCIATES, INC.
Water-Resource and Environmental Consultants
2611 Broadbent Parkway NE
Albuquerque, New Mexico 87107
505-345-3407
www.shomaker.com

prepared for

Daniel B. Stephens & Associates, Inc.
Albuquerque, New Mexico

City of Las Cruces
New Mexico

and

Doña Ana County
New Mexico

July 29, 2024
Revised October 16, 2024

CALENDAR YEAR 2023 GROUNDWATER PROGRAM EVALUATION REPORT GRIGGS AND WALNUT GROUNDWATER PLUME SUPERFUND SITE LAS CRUCES, NEW MEXICO

EXECUTIVE SUMMARY

John Shomaker & Associates, Inc. (JSAI) was subcontracted by Daniel B. Stephens & Associates, Inc. (DBS&A) to assist with the groundwater monitoring program annual evaluation for the Griggs and Walnut tetrachloroethene (PCE) plume for the Griggs and Walnut Joint Superfund Project (JSP), currently consisting of Doña Ana County and City of Las Cruces (CLC).

The purpose of the annual evaluation of Griggs and Walnut Site (Site) groundwater monitoring program is to ensure that sufficient groundwater data are being collected to assess whether operation of the extraction and treatment system is making adequate progress toward achieving the Remedial Action Objectives and Remedial Goals.

Calendar year 2023 data sources from the monitoring program include water-level data, water-quality data, groundwater-pumping data, and extraction well operational data. The FLUTe multilevel monitoring wells were replaced during the winter of 2020-21. November 2023 was the fourth sampling event from the monitoring network that replaced the FLUTe wells. DBS&A collected the November 2023 data presented in this report, and the remaining Site data were obtained from Las Cruces Utilities (LCU).

The three hydrogeologic zones used at the Site include: "Shallow" which is generally the water table to an elevation of 3,800 ft, "Intermediate" which is the elevation range 3,685 to 3,800 ft, and "Deep" which is the elevation range 3,475 to 3,685 ft. The Shallow and Intermediate Zones are not hydraulically connected across the Site where the clay layer is present, but the Shallow Zone and the Intermediate and Deep Zones are hydraulically connected across the Site where the clay layer is discontinuous or absent. The geologic model revised by JSAI (2019) defines the clay layer extent, and better explains the observed horizontal and vertical groundwater flow mechanisms, PCE plume distribution, and PCE plume capture by extraction wells in the Shallow Zone and the Intermediate and Deep Zones (see Figs. 2 through 7).

When considering the Site monitoring network and LCU regional monitoring network, it is evident that adequate water-level data are being collected to evaluate groundwater flow direction in the Shallow (Fig. 10), Intermediate (Fig. 11), and Deep (Fig. 12) Zones. The hydraulic gradient across the Site is fairly gradual, and confined between the 3,840- and 3,830-ft regional water-level elevation contours (Fig. 9). The hydraulic gradient steepens within the cone of depression caused by pumping extraction well CLC 27.

Three PCE plume maps were constructed for the Shallow, Intermediate, and Deep Zones respectively (Figs. 10, 11, and 12). Vertical profiles of the PCE plume are illustrated on hydrogeologic cross-sections presented as Figures 4 through 7. The Shallow Zone plume at CLC 18 is completely removed, and the Intermediate and Deep Zone PCE plume has significantly decreased in size when compared to the estimated 2005 extent (Figs. 4 through 7). Elevated PCE concentrations in the Intermediate and Deep Zones decrease with respect to depth from the Intermediate to the Deep Zone at GWMW-01 and GWMW-10. A data gap has been observed in the Intermediate and Deep Zones south to southeast of CLC 27. It is recommended to install two monitoring wells approximately 1,700 south of CLC 27 to address this data gap. As indicated by results from GWMW-09D1, GWMW-10D, and CLC 19, the PCE plume observed at GWMW-15I (Deep Zone) may be separated from the primary PCE plume captured by CLC 27.

The Site telescope mesh refinement (TMR) groundwater flow model (JSAI, 2017) was updated with data collected from 2017 through 2023 and satisfactorily calibrated. Findings indicate that when CLC 61 stopped high rates of pumping in March 2019, the rate of downward vertical groundwater flow decreased where the clay layer is absent, particularly in the area of GWMW-15, CLC 19, CLC 20, and CLC 24.

Monitoring data from extraction wells CLC 18 and CLC 27 allow for performance evaluation and adequate calculation of PCE plume removal (see JSAI companion report titled, *Calendar Year 2023 Optimization Assessment Report Griggs and Walnut Groundwater Plume Superfund Site, Las Cruces, New Mexico*).

CONTENTS

page

EXECUTIVE SUMMARY ii

ABBREVIATIONS/ACRONYMS viii

1.0 INTRODUCTION 1
- 1.1 Background 1
- 1.2 Purpose 3

2.0 DATA SOURCES 3
- 2.1 Site Conceptual Model 3
- 2.2 Groundwater-Level Data 4
  - 2.2.1 Site Monitoring Network 6
  - 2.2.2 Regional Monitoring Network 6
- 2.3 Pumping Data 8
- 2.4 Monitoring Network Water-Quality Data 8
- 2.5 CLC 18 and CLC 27 Operational Data 11

3.0 HYDROGEOLOGIC ANALYSIS 12
- 3.1 Hydrostratigraphic Units 12
- 3.2 Groundwater Flow 13
  - 3.2.1 Horizontal Flow Direction 14
  - 3.2.2 Vertical Head Gradient 14
- 3.3 Water-Level Trends 15
- 3.4 Geochemical Characteristics 16
- 3.5 PCE Plume 16
  - 3.5.1 Horizontal Extent 16
  - 3.5.2 Vertical Extent 17
- 3.6 Site Conceptual Model Summary 19

4.0 NUMERICAL MODEL UPDATE 20
- 4.1 TMR Model Calibration 21

5.0 EFFECTIVENESS OF MONITORING NETWORK 24
- 5.1 Groundwater Flow Direction 24
- 5.2 Defining Extent of PCE Plume 25

6.0 SUMMARY OF FINDINGS 26

7.0 RECOMMENDATIONS 28

8.0 REFERENCES 29

TABLES

page

Table 1. Summary of FLUTe well replacement program 2

Table 2. Summary of Site monitoring network 5

Table 3. Summary of Winter 2022 and Winter 2023 water-level data from the monitoring network 7

Table 4. Summary of 2020, 2021, 2022, and 2023 pumping for the Griggs and Walnut Site area 9

Table 5. Summary of monitoring well network and PCE concentration data 10

Table 6. Summary of head difference between Shallow and Deep Hydrogeologic Zones measured in well pairs 13

Table 7. Summary of model calibration statistics for historical transient simulation 2012 through 2023 22

Table 8. Summary of observed and model simulated head difference between Shallow and Deep Hydrogeologic Zones 23

ILLUSTRATIONS

(follow text)

Figure 1. Aerial photograph of the Griggs and Walnut Site showing monitoring network, City of Las Cruces, New Mexico.

Figure 2. Aerial photograph of the Griggs and Walnut Site showing top of clay layer elevation contours and clay layer extent, Las Cruces, New Mexico.

Figure 3. Aerial photograph of the Griggs and Walnut Site showing clay layer extent and thickness contours, Las Cruces, New Mexico.

Figure 4. Hydrogeologic cross-section A-A' with November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 5. Hydrogeologic cross-section B-B' with November 20223 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 6. Hydrogeologic cross-section C-C' with November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 7. Hydrogeologic cross-section D-D' with November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 8. Bar graph of annual pumping from wells in the Griggs and Walnut Site area, Las Cruces, New Mexico.

Figure 9. Aerial photograph showing November 2023 water-level elevation contours for the Valley and Interstate-25 Corridor areas in the Mesilla Basin, City of Las Cruces, New Mexico.

Figure 10. Aerial photograph showing November 2023 water-level elevation contours and PCE concentrations for the Shallow Hydrogeologic Zone, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 11. Aerial photograph showing November 2023 water-level elevation contours and PCE concentrations for the Intermediate Hydrogeologic Zone, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 12. Aerial photograph showing November 2023 water-level elevation contours and PCE concentrations for the Deep Hydrogeologic Zone, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 13. Topographic map showing telescope mesh refinement (TMR) groundwater-flow model grid, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 14. Map showing telescope mesh refinement (TMR) groundwater-flow model with Griggs and Walnut Site monitoring network, Las Cruces, New Mexico.

Figure 15. Bar graph showing distribution of model-calibrated absolute residual error in heads.

APPENDICES

(follow illustrations)

Appendix A. Griggs and Walnut Site plume monitoring point survey data

Appendix B. Hydrographs for Griggs and Walnut Site plume monitoring network wells and selected City of Las Cruces wells

Appendix C. Summary of Griggs and Walnut Site plume area pumping data

Appendix D. Time-series graphs of Griggs and Walnut Site PCE concentration

Appendix E. Griggs and Walnut Site time-series model-calibration graphs

ABBREVIATIONS/ACRONYMS

ac-ft/yr	acre-feet per year
amsl	above mean sea level
CLC	City of Las Cruces
CSM	Conceptual Site Model
D	Deep Zone
DBS&A	Daniel B. Stephens & Associates, Inc.
EPA	Environmental Protection Agency
ft bgl	feet below ground level
GHB	general head boundaries
gpm	gallons per minute
gpm/ft	gallons per minute per feet
I	Intermediate Zone
JSAI	John Shomaker & Associates, Inc.
JSP	Joint Superfund Project
LCU	Las Cruces Utilities
LHZ	Lower Hydrogeologic Zone (Intermediate and Deep Zones)
kg	kilograms
MCL	maximum contaminant level
ME	mean error
NMED	New Mexico Environment Department
NMOSE	New Mexico Office of the State Engineer
PCE	tetrachloroethene
Q/s	specific capacity
QAQC	quality assurance and quality control
RAO	Remedial Action Objective(s)
RMSE	root-mean-squared error
ROD	Record of Decision
S	Shallow Zone
SCM	Site Conceptual Model
SOW	Statement of Work
TMR	telescope mesh refinement
UHZ	Upper Hydrogeologic Zone (Shallow Zone)
µg/L	micrograms per liter
µS/cm	microsiemens per centimeter

CALENDAR YEAR 2023 GROUNDWATER PROGRAM EVALUATION REPORT GRIGGS AND WALNUT GROUNDWATER PLUME SUPERFUND SITE LAS CRUCES, NEW MEXICO

1.0 INTRODUCTION

John Shomaker & Associates, Inc. (JSAI) was subcontracted by Daniel B. Stephens & Associates, Inc. (DBS&A) to assist with the assessment of the Griggs and Walnut tetrachloroethene (PCE) plume ("the Site") and efficiency of the associated pump-and-treat system. This analysis was conducted for the Griggs and Walnut Joint Superfund Project (JSP), which currently consists of Doña Ana County and the City of Las Cruces (CLC). A location map is presented as Figure 1.

1.1 Background

The New Mexico Environment Department (NMED) first identified PCE contamination in 1993, in wells CLC 21 and CLC 27 (Fig. 1). NMED detected PCE in CLC 19 in 1994 and in CLC 18 in 1995. The Site was added to EPA's National Priorities List (NPL) on June 14, 2001 (66 Federal Register 32235 [June 14, 2001]) based on data collected by NMED between 1993 and 2001. The Remedial Investigation began in 2002.

The EPA Remedial Investigation and Feasibility Study (RI/FS) was completed in 2006, the EPA Record of Decision (ROD) was issued in 2007, and EPA approved the remedial design in 2010. The Site pump-and-treat system began operating during September 2012, and it has been operated almost continuously for the last 11 years.

As defined in the EPA 2020 Statement of Work (SOW), the JSP shall perform Pre-Achievement Operation and Maintenance until the Remedial Action Objectives and Remedial Goals are attained. An annual evaluation of the groundwater monitoring program is required to be completed as part of the Annual Operation and Maintenance report. Past JSAI annual evaluation reports are summarized in this report.

Due to the failure of the liners in several FLUTe multilevel monitoring wells (DBS&A, 2021), a replacement well program was implemented in the Fall of 2020 so that data representative of Site conditions can be obtained. The replacement well program is summarized in Table 1. The replacement program involved installation of conventional shallow and intermediate-depth monitoring wells, and conversion of each of the original multi-port FLUTe wells into a conventional deep monitoring well.

Table 1. Summary of FLUTe well replacement program

original FLUTe well	port ID	depth of screen interval (ft bgl)	new monitoring well replacement of FLUTe well	depth of screen interval (ft bgl)
GWMW-01	1	210 - 220	GWMW-01S	210 - 230
	2	270 - 280		
	3	330 - 340	GWMW-01I	330 - 340
	4	420 - 430		
	5	460 - 470	GWMW-01D	550 - 560
	6	515 - 525		
	7	550 - 560		
GWMW-06	1	100 - 110	GWMW-06S	100 - 110
	2	165 - 175		
GWMW-08	1	190 - 200	GWMW-08S	190 - 210
	2	255 - 265		
	3	305 - 315		
	4	380 - 390		
	5	430 - 440		
	6	490 - 500	GWMW-08D	490 - 500
	7	535 - 545		
GWMW-09	1	240 - 250	GWMW-09S	210 - 230
	2	295 - 305		
	3	355 - 365		
	4	410 - 420	GWMW-09D1	410 - 420
	5	480 - 490	GWMW-09D2	550 - 560
	6	550 - 560		
	7	630 - 640		
GWMW-10	1	250 - 260	GWMW-10S	236 - 256
	2	320 - 330		
	3	370 - 380	GWMW-10I	370 - 380
	4	440 - 450		
	5	505 - 515		
	6	560 - 570	GWMW-10D	550 - 560
	7	620 - 630		

ft bgl - feet below ground level
S,I,D - designate shallow, intermediate, and deep

1.2 Purpose

The purpose of the annual evaluation of the Site groundwater monitoring program is to ensure that sufficient groundwater data are being collected to assess whether operation of the extraction and treatment system is making adequate progress toward achieving the Remedial Action Objectives and Remedial Goals.

2.0 DATA SOURCES

Data sources include geologic logs from the RI/FS and subsequent monitoring-well drilling projects, water-level data, water-quality data, groundwater-pumping data, and extraction well operational data. Site data are collected by Las Cruces Utilities (LCU) and DBS&A. The following is a summary of data collected and JSAI's review of data collected as part of the evaluation of the groundwater monitoring program. Site monitoring point locations are shown on Figure 1.

2.1 Site Conceptual Model

The EPA RI/FS and JSAI (2006) Site Conceptual Model (SCM) included an Upper Hydrogeologic Zone (UHZ) and a Lower Hydrologic Zone (LHZ). These two distinct hydrogeologic zones, the UHZ and the LHZ, are primarily differentiated by a clay layer, and by water-level elevations measured in nested monitoring wells screened at different depths. The clay layer is known to impede vertical movement of groundwater, therefore resulting in enhanced lateral movement of groundwater at the water table in the UHZ.

Top and bottom elevations of the clay layer observed from well logs were used to develop a three-dimensional geologic model of the Site. A map showing the confining clay layer extent and top-of-clay elevation contours is presented as Figure 2. A map showing the thickness of the clay unit is presented as Figure 3.

The groundwater program evaluation analysis uses the current definitions of the SCM hydrogeologic zones and corresponding elevations (DBS&A, 2023), which are as follows:

- Shallow Zone wells: screened interval range 3,800 to 3,850 feet above mean sea level (ft amsl), formerly referred to as the UHZ
- Intermediate Zone wells: screened interval elevation rage 3,685 to 3,800 ft amsl, formerly referred to as the Upper portion of the LHZ
- Deep Zone wells: screened interval elevation range 3,475 to 3,685 ft amsl, formerly referred to as the Lower portion of the LHZ

The Shallow and Intermediate Zones have limited vertical groundwater flow (hydraulically disconnected) across the Site where the clay layer is present; however, the Shallow, Intermediate, and Deep Zones are hydraulically connected where the clay layer is thin or absent. The areas of hydraulic disconnection are noted by a difference in geochemical signatures between the Shallow, Intermediate and Deep Zones, and markedly larger vertical gradients between zones.

The geologic model revised by JSAI (2019) defines the clay layer extent, and better explains the observed horizontal and vertical groundwater flow mechanisms, the PCE plume distribution, and the PCE plume capture by extraction wells in the Shallow, Intermediate, and Deep Zones (see Figs. 2 through 6). Results from the FLUTe well replacement program confirmed the current SCM.

Cross-sections presented as Figures 4, 5, 6 and 7 show that the thickness and extent of the low-permeability silt and clay beds that divide the Shallow Zone from the Intermediate Zone have influenced the lateral and vertical distribution of PCE in groundwater. At CLC 18, the clay layer separating the Shallow and Intermediate Zones creates an impediment to vertical flow (Figs. 4, 5, and 6). East of GWMW-16(S,D), the clay layer transitions to silt and sand, allowing for vertical groundwater flow from the Shallow to the Intermediate and Deep Zones under downward head-gradient conditions, which may be influenced by regional pumping. The clay layer dividing the Shallow from the Intermediate Zone has a topographic low in the vicinity of CLC 18, with topographic highs to the west, north, and southeast of CLC 18 (Fig. 2).

2.2 Groundwater-Level Data

Currently, there are two types of groundwater-level data collected at the Site: 1) from conventional monitoring wells, and 2) from CLC water-supply wells (both active and inactive). The measuring-point elevations for the Site monitoring network are based on surveyed measuring points. Survey data are summarized in Table 2, and presented in Appendix A.

Water levels from the conventional monitoring wells are measured by DBS&A during the annual sampling event. Water levels from CLC water-supply wells are measured by LCU staff on a monthly basis. Continuous monitoring with transducers in GWMW-16(S,D) and CLC water-supply wells is performed by LCU staff.

Table 2. Summary of Site monitoring network

well	northing (NMSP NAD 83, ft)	easting (NMSP NAD 83, ft)	surveyed measuring point elevation (ft amsl)	screen interval (ft)	type of well	hydro-geologic zone	monitoring data
CLC 10	480,788.00	1,478,435.00	3,939.42	281 - 381	inactive	D	LCU wl
CLC 18	479,033.01	1,483,114.82	4,039.59	380 - 516.5	extraction	S/I/D*	wl, wq
CLC 19	479,464.64	1,486,241.12	4,064.77	402 - 675	inactive	D	LCU wl
CLC 20	477,570.53	1,486,690.77	4,074.51	380 - 673	inactive	I/D	wl, wq
CLC 21	481,161.95	1,485,245.75	4,075.25	366 - 612	inactive	I/D	LCU wl
CLC 24	475,131.30	1,486,440.09	4,041.01	381 - 591	inactive	D	LCU wl
CLC 26	476,624.54	1,484,299.63	4,014.15	410 - 700	standby	D	wl, wq
CLC 27	478,884.10	1,484,258.63	4,057.12	455 - 524	extraction	D	wl, wq
CLC 28	485,134.00	1,482,913.00	4,062.65	421 - 738	active	D	LCU wl
CLC 38	475,113.92	1,488,619.25	4,103.31	320 - 780	inactive	I/D	LCU wl
CLC 54	484,049.79	1,485,225.99	4,111.23	272 - 480	inactive	S/I/D	LCU wl
CLC 57	478,920.91	1,488,486.58	4,132.14	408 - 516	inactive	I/D	wl, wq
CLC 60	475,323.34	1,480,636.27	3,942.35	350 - 690	inactive	D	LCU wl
CLC 61	476,052.51	1,486,352.59	4,041.37	600 - 1,050	inactive	**	LCU wl
GWMW-01S	479,037.04	1,483,354.28	4,038.69	210 - 230	monitoring	S	wl, wq
GWMW-01I	479,031.28	1,483,330.09	4,038.96	330 - 340	monitoring	I	wl, wq
GWMW-01D	479,017.94	1,483,311.09	4,038.29	550 - 560	monitoring	D	wl, wq
GWMW-06S	480,268.97	1,478,869.86	3,946.78	100 - 110	monitoring	S	wl, wq
GWMW-08S	480,048.70	1,483,371.14	4,020.09	190 - 210	monitoring	S	wl, wq
GWMW-08D	480,044.88	1,483,351.73	4,019.85	490 - 500	monitoring	D	wl, wq
GWMW-09S	480,421.60	1,485,085.00	4,051.10	210 - 230	monitoring	S	wl, wq
GWMW-09D1	480,413.76	1,485,054.43	4,050.79	410 - 420	monitoring	D	wl, wq
GWMW-09D2	480,413.19	1,485,068.27	4,051.11	550 - 560	monitoring	D	wl, wq
GWMW-10S	479,213.78	1,484,883.41	4,063.84	236 - 256	monitoring	S	wl, wq
GWMW-10I	479,221.57	1,484,902.26	4,063.95	370 - 380	monitoring	I	wl, wq
GWMW-10D	479,228.62	1,484,920.89	4,064.60	550 - 560	monitoring	D	wl, wq
GWMW-11S	477,982.10	1,483,180.70	4,022.72	190 - 205	monitoring	S	wl, wq
GWMW-11I	477,982.40	1,483,180.50	4,022.74	299 - 314	monitoring	I	wl, wq
GWMW-11D	477,982.50	1,483,180.80	4,022.67	525 - 540	monitoring	D	wl, wq
GWMW-15S	480,920.00	1,486,661.60	4,081.03	289 - 304	monitoring	I	wl, wq
GWMW-15I	480,920.10	1,486,661.20	4,081.06	460 - 475	monitoring	D	wl, wq
GWMW-15D	480,919.90	1,486,661.20	4,081.03	581 - 596	monitoring	D	wl, wq
GWMW-16S	479,474.88	1,484,021.82	4,033.07	185 - 205	monitoring	S	wl, wq
GWMW-16D	479,469.58	1,484,002.31	4,032.73	350 - 370	monitoring	D	wl, wq
MW-1	478,754.90	1,483,492.60	4,037.14	187 - 197	monitoring	S	wl
MW-3	478,919.20	1,483,203.60	4,034.56	180 - 190	monitoring	S	dry
MW-4	478,681.50	1,483,079.60	4,031.59	175 - 185	monitoring	S	dry
MW-5	*478,579.70*	*1,483,553.90*	*4,036.24*	*182 - 192*	*na*	*S*	*na*
MW-SF2	478,837.80	1,483,252.90	4,035.71	184 - 199	monitoring	S	wl, wq
MW-SF5	479,614.90	1,481,960.00	3,995.63	138 - 153	monitoring	S	wl, wq
MW-SF9	478,481.90	1,484,636.70	4,032.35	188 - 203	monitoring	S	wl, wq
MW-SF10	480,157.00	1,484,357.30	4,038.66	194 - 204	monitoring	S	wl, wq
Paz Park	480,910.66	1,482,797.07	4,012.60	260 - 370	irrigation	I/D	LCU wl
NGMW-01	479,405.24	1,480,889.09	3,975.48	115 - 165	monitoring	S	wl, wq
NGMW-02	479,459.44	1,481,007.09	3,980.79	115 - 165	monitoring	S	wl, wq
NGMW-03	479,368.81	1,481,387.33	3,985.11	115 - 165	monitoring	S	wl, wq

* screen is in Deep Zone; however, thick gravel envelope allows for comingling of Shallow and Intermediate Zones
** below Deep Zone
na - not applicable, removed from monitoring network in 2023
S, I, D - Shallow, Intermediate, and Deep Zones
wl - water level
wq - water quality
LCU - Las Cruces Utilities
ft amsl - feet above mean sea level

Groundwater-level monitoring frequency specified in the SOW requires monthly measurements from the extraction wells, quarterly monitoring from inactive City wells, and annual measurements from the remaining monitoring network. As a result of the LCU groundwater monitoring program, water-level monitoring frequency at CLC 18, CLC 27, GWMW-16(S,D), and the regional monitoring network has met the SOW requirements, and in many cases provided additional data beyond the requirements.

2.2.1 Site Monitoring Network

Locations for wells in the Site monitoring network are shown on Figure 1 and listed in Table 2. The GWMW paired wells (GWMW-01, GWMW-08, GWMW-09, GWMW-10, GWMW-11, GWMW-15, and GWMW-16) help define the horizontal and vertical extent of the PCE plume, and the vertical head difference between the Shallow, Intermediate, and Deep Zones. For GWMW paired wells in the monitoring network, the Shallow Zone typically is completed above the confining clay layer (where present), and the Intermediate and Deep Zones are below the clay layer (where present).

For the winter 2023 monitoring event, there were 18 monitoring wells used to monitor the Shallow Zone; however, several have gone dry (MW-3 and MW-4) as the Shallow Zone is dewatered. Two wells (CLC 18 and CLC 54) monitor the Shallow, Intermediate, and Deep Zones; the zones are connected via the well annulus of CLC 18, and are cross-screened in CLC 54 (Table 2). There are four Intermediate Zone monitoring wells, 17 Deep Zone monitoring and City wells, and five cross-screened Intermediate and Deep Zone wells (Table 2). Paired conventional monitoring wells are primarily used for developing the Site groundwater-level elevation contours. Hydrographs for monitoring network wells are presented in Appendix B.

2.2.2 Regional Monitoring Network

LCU developed a regional groundwater-level monitoring program in 2011 for the purpose of managing their groundwater resources separate from the JSP. Under the monitoring program, groundwater-level data have been collected at City supply wells based on a defined methodology and QA/QC process. Since mid-2011, the monitoring program has used a consistent methodology for collecting hand-measurements of groundwater levels from the majority of CLC active and inactive supply wells on a monthly basis, and transducers have also recorded water levels in twelve inactive wells. LCU groundwater-level data help define the regional groundwater-level elevation contours surrounding the Site. A summary of the winter 2023 groundwater-level data is provided in Table 3, and selected hydrographs are presented in Appendix B.

Table 3. Summary of Winter 2022 and Winter 2023 water-level data from the monitoring network

well	type well	hydrogeologic zone	Winter 2022 measurement date	Winter 2022 depth to water (ft bmp)	Winter 2022 water-level elevation (ft amsl)	Winter 2023 measurement date	Winter 2023 depth to water (ft bmp)	Winter 2023 water-level elevation (ft amsl)	water-level change Nov 2022– Nov 2023 (ft) positive = decline; negative = rise
CLC 10	inactive	D	11/14/2022	96.00	3,843.42	11/7/2023	96.9	3,842.52	0.90
CLC 18	extraction	S/I/D	11/15/2022	210.07	3,829.52	11/16/2023	213.23	3,826.36	3.16
CLC 19	inactive	D	11/4/2022	226.9	3,838.07	11/8/2023	228.10	3,836.67	1.40
CLC 20	inactive	I/D	11/4/2022	237.0	3,837.51	11/7/2023	237.50	3,837.01	0.50
CLC 21	inactive	I/D	11/4/2022	237.80	3,837.45	11/7/2023	236.50	3,838.75	-1.30
CLC 24	inactive	D	11/14/2022	199.40	3,841.61	11/13/2023	203.81	3,837.20	4.41
CLC 26	standby	D	11/15/2022	178.35	3,835.80	11/9/2023	180.88	3,833.27	2.53
CLC 27	extraction	D	11/15/2022	255.72	3,801.40	11/16/2023	283.15	3,773.97	27.43
CLC 28	active	D	11/4/2022	229.5	3,833.15	11/15/2023	307.15	3,755.50	77.65
CLC 38	inactive	I/D	11/14//2022	266.60	3,836.71	11/7/2023	262.85	3,840.46	-3.75
CLC 54	inactive	S/I/D	11/8/2022	271.6	3,839.63	11/13/2023	271.75	3,839.48	0.15
CLC 57	inactive	I/D	11/14//2022	293.60	3,838.54	11/13/2023	292.35	3,839.79	-1.25
CLC 60	inactive	D	11/14/2022	108.60	3,833.75	11/9/2023	111.10	3,831.25	2.50
CLC 61	standby	*	11/3/2022	205.40	3,772.27	11/13/2023	204.25	3,837.12	-1.15
GWMW-01S	MW	S	11/14/2022	195.42	3,843.27	11/14/2023	195.82	3,842.87	0.40
GWMW-01I	MW	I	11/14/2022	201.82	3,837.14	11/14/2023	204.97	3,833.99	3.15
GWMW-01D	MW	D	11/14/2022	201.47	3,836.82	11/14/2023	204.62	3,833.67	3.15
GWMW-06S	MW	S	11/14/2022	97.29	3,849.49	11/14/2023	98.23	3,848.55	0.94
GWMW-08S	MW	S	11/14/2022	175.74	3,844.35	11/13/2023	176.08	3,844.01	0.34
GWMW-08D	MW	D	11/14/2022	181.76	3,838.09	11/13/2023	184.72	3,835.13	2.96
GWMW-09S	MW	S	11/15/2022	210.13	3,840.97	11/14/2023	211.16	3,839.94	1.03
GWMW-09D1	MW	D	11/15/2022	212.44	3,838.35	11/14/2023	214.52	3,836.27	2.08
GWMW-09D2	MW	D	11/15/2022	212.76	3,838.35	11/14/2023	214.69	3,836.42	1.93
GWMW-10S	MW	S	11/15/2022	223.10	3,840.74	11/14/2023	223.85	3,839.99	0.75
GWMW-10I	MW	I	11/15/2022	227.22	3,836.73	11/14/2023	229.77	3,834.18	2.55
GWMW-10D	MW	D	11/15/2022	228.20	3,836.40	11/14/2023	230.87	3,833.73	2.67
GWMW-11S	MW	S	11/14/2022	179.46	3,843.26	11/13/2023	179.96	3,842.76	0.50
GWMW-11I	MW	I	11/14/2022	185.81	3,836.93	11/13/2023	189.32	3,833.42	3.51
GWMW-11D	MW	D	11/14/2022	186.09	3,836.58	11/13/2023	189.8	3,832.87	3.71
GWMW-15S	MW	I	11/14/2022	241.70	3,839.33	11/13/2023	243.45	3,837.58	1.75
GWMW-15I	MW	D	11/14/2022	242.18	3,838.88	11/13/2023	244.03	3,837.03	1.85
GWMW-15D	MW	D	11/14/2022	242.15	3,838.88	11/13/2023	244	3,837.03	1.85
GWMW-16S	MW	S	11/15/2022	190.44	3,842.63	11/14/2023	191.07	3,842.00	0.63
GWMW-16D	MW	D	11/15/2022	195.36	3,837.37	11/14/2023	198.25	3,834.48	2.89
MW-1	MW	S	11/14/2022	194.31	3,842.83	11/14/2023	194.78	3,842.36	0.47
MW-3	MW	S	11/14/2022	dry	dry	11/14/2023	dry	dry	dry
MW-4	MW	S	11/14/2022	dry	dry	11/14/2023	dry	dry	dry
MW-5	*MW*	*S*	*11/14/2022*	*dry*	*dry*	*na*	*na*	*na*	*na*
MW-SF2	MW	S	11/14/2022	192.64	3,843.07	11/14/2023	193.05	3,842.66	0.41
MW-SF5	MW	S	11/14/2022	150.10	3,845.53	11/13/2023	150.38	3,845.25	0.28
MW-SF9	MW	S	11/14/2022	191.71	3,840.64	11/14/2023	192.28	3,840.07	0.57
MW-SF10	MW	S	11/14/2022	196.06	3,842.60	11/13/2023	196.84	3,841.82	0.78
Paz Park	irrigation	I/D	10/26/2022	174.20	3,838.4	11/15/2023	175.10	3,837.50	0.90
NGMW-01	MW	S	11/14/2022	128.71	3,846.77	11/13/2023	129.2	3,846.28	0.49
NGMW-02	MW	S	11/14/2022	134.07	3,846.72	11/13/2023	134.53	3,846.26	0.46
NGMW-03	MW	S	11/14/2022	138.86	3,846.25	11/13/2023	139.23	3,845.88	0.37

S, I, D - Shallow, Intermediate, and Deep Zones
nm - not measured * below Deep Zone
MW - monitoring well
ft amsl - feet above mean sea level
ft bmp - feet below measuring point

2.3 Pumping Data

The New Mexico Office of the State Engineer (NMOSE) requires metered monthly pumping data for all LCU supply wells, including Site extraction wells CLC 18 and CLC 27. Meters are required by the NMOSE to be calibrated (+/- 2%), and metered volumes reported to the NMOSE. For the Site area shown on Figure 1, extraction wells CLC 18 and CLC 27, and municipal well CLC 28, located to the north of the Site, were actively pumping during 2023. Average monthly and annual pumping rates for 2020, 2021, 2022, and 2023 are summarized in Table 4. Site-area pumping data from 1958 to current are presented in Appendix C.

Beginning around 2018, the designed pumping schedule for CLC 18 was 8 hrs/day at a rate of 90 gpm, which resulted in an average of 30 gpm for optimum UHZ (Shallow) plume extraction. The average monthly CLC 18 pumping rate of 29 gpm was maintained until August 17, 2021. From August 17 to end of 2021, CLC 18 was pumped approximately 6 to 8 hours a day for 4 to 6 days/month (see change in average monthly pump rates in Table 4). This change in pumping was to implement the JSAI (2021) recommended reduction in pumping from CLC 18. Pumping in 2022 averaged 2.5 gpm, and pumping in 2023 averaged 1.6 gpm (Table 4).

CLC 27 was pumped almost continuously for the last several years; the rate slightly increased each year (Table 4). The pump was replaced during March 2018 and the pumping rate increased from about 150 gpm to 220 gpm. The 2022 pumping rate decreased from August to December as a result of declining pump performance. The pump was replaced in February 2023, and the pumping rate was restored to the recommended range of 220 to 240 gpm. CLC 27 primarily extracts the Intermediate and Deep Zones PCE plume, and extracts the Shallow PCE plume where the clay layer is thin and more permeable.

Paz Park irrigation well and CLC 61 were not pumped during 2023; however, municipal well CLC 28 was pumped in 2023 (Table 4).

2.4 Monitoring Network Water-Quality Data

All 2023 Site monitoring network groundwater-quality data were collected by DBS&A (2024). The primary constituent of concern for the Site is PCE. A summary of the Site monitoring network and detected PCE concentrations is presented as Table 5. Time-series graphs of PCE concentration are presented in Appendix D.

Table 4. Summary of 2020, 2021, 2022, and 2023 pumping for the Griggs and Walnut Site area

month	CLC 18 average [1] (gpm)				CLC 27 average [1,2] (gpm)				CLC 28 average [1] (gpm)				CLC 61 average [1] (gpm)			
	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023
Jan	29.4	28.3	3.6	2.2	235	238	215	46	0	251	136	0.0	0	0	0	0
Feb	30.4	27.2	4.2	1.7	248	229	212	212	0.1	262	0	0.0	0	0	0	0
Mar	29.7	28.2	5.0	2.0	237	239	213	233	0	0	242	3.9	0	0	0	0
Apr	29.5	29.7	1.3	0.4	234	236	218	214	0	0	268	416	0	0	0	0
May	29.3	27.5	2.1	0.8	238	236	223	236	0	0	163	415	0	0	37	0
Jun	29.2	27.6	2.0	1.3	237	226	220	228	6.5	40	309	329	0	0	1	0
Jul	28.2	27.3	1.6	3.2	235	222	220	238	189	225	275	378	0	0	1	0
Aug	28.3	16.6	1.9	2.7	235	222	203	236	279	265	279	531	0	0	0	0
Sep	28.9	4.2	2.3	1.1	237	222	197	227	564	287	0	110	0	0	0	0
Oct	28.9	3.6	1.9	1.1	235	225	171	236	433	299	0	385	0	0	0	0
Nov	29.2	4.4	2.0	2.3	233	222	161	229	290	251	0	312	0	0	0	0
Dec	29.3	4.3	2.1	0.0	238	221	135	236	160	173	0	300	0	0	0	0
annual	29.2	19.1	2.5	1.6	237	228	199	214	160	171	139	265	0	0	3.25	0

[1] Pumping data are based on monthly totalizer readings as reported to the New Mexico Office of the State Engineer.
[2] CLC 27 monthly average pumping rates for July, August, and September 2021 were based on the average for the time-period.
gpm - gallons per minute

Table 5. Summary of monitoring well network and PCE concentration data

sample location [1]	depth of screen interval (ft bgl)	type well	hydrogeologic zone	RI/FS 2005 PCE (µg/L)	remedial design 2009 PCE (µg/L)	system startup 2012 PCE (µg/L)	2016 PCE (µg/L)	2017 PCE (µg/L)	2018 PCE (µg/L)	2019 PCE (µg/L)	Apr 2021 PCE (µg/L)	Dec 2021 PCE (µg/L)	Nov 2022 PCE (µg/L)	Nov 2023 PCE (µg/L)
CLC 18	380 – 516.5	extraction	S/I/D	**35**	**48**	**42**	**13**	**15**	**7.6**	**6.6**	**5**	4.5	3.8	2.5
CLC 19	402 – 675	supply	D	**2**	---	---	---	---	---	---	---	<1.0	---	---
CLC 20*	380 – 673	supply	I/D	---	---	2.3	<1.0	< 1.0	---	< 1.0	< 1.0	<1.0	---	---
CLC 21	366 - 612	supply	I/D	3.7	---	---	---	---	---	---	---	<1.0	---	---
CLC 26	410 – 700	supply	D	---	---	<1.0	<1.0	< 1.0	---	< 1.0	< 1.0	---	---	---
CLC 27	455 – 524	extraction	D	---	**11**	**5.8**	**14**	**13**	**15**	**13**	**1**	**16**	**15**	**13**
CLC 57*	408 – 516	supply	I/D	---	---	<1.0	<1.0	< 1.0	---	<1.0	< 1.0	---	---	---
GWMW-01S (P1)	210 – 230	monitoring	S	**5.3**	---	**5.8**	3.8	**9.8**	**5.0**Rf	---	1.8	1.5	1.2	<1.0
GWMW-01I (P3)	330 – 340	monitoring	I	1	---	2.7	1.6	**7.0**	4.3Rf	---	**17.5 ****	**10**	**7.9**	**15**
GWMW-01D (P7)	550 – 560	monitoring	D	2.1	---	3.2	<1.0	< 1.0	<1.0Rf	---	1.6	<1.0	<1.0	<1.0
GWMW-06S (P1)	100 – 110	monitoring	S	**10**	---	---	---	---	<1.0Rf	---	2	---	---	---
GWMW-08S (P1)	190 – 210	monitoring	S	---	---	---	---	---	---	---	< 1.0	<1.0	<1.0	<1.0
GWMW-08D (P6)	490 – 500	monitoring	D	<0.5	---	<1.0	<1.0	< 1.0	<1.0Rf	---	< 1.0	<1.0	<1.0	<1.0
GWMW-09S (P1)	210 – 230	monitoring	S	0.6	<1.0	<1.0	<1.0	<1.0	<1.0	---	<1.0	<1.0	<1.0	<1.0
GWMW-09D1 (P4)	410 – 420	monitoring	D	**16**	**29**	1.2	**11**	**9.2**	<1.0Rf	---	**5.7**	4.3	**5.4**	2.2
GWMW-09D2 (P6)	550 – 560	monitoring	D	0.2	<1.0	<1.0	<1.0	<1.0	2.0Rf	---	**12**	**6.9**	4.9	1.7
GWMW-10S (P1)	236 – 256	monitoring	S	3.2	**31**	**47**	1.2	**5.1**	**8.3Rf**	---	3.9	2.9	3.1	**6.5**
GWMW-10I (P3)	370 – 380	monitoring	I	**16**	**46**	**45**	1.8	**16**	**11.0Rf**	---	**26**	**13**	**33**	**30**
GWMW-10D (P6)	550 – 560	monitoring	D	0.4	<1.0	<1.0	<1.0	**7.3**	**9.6Rf**	---	1.6	1.2	1.3	<1.0
GWMW-11S	190 – 205	monitoring	S	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GWMW-11I	299 – 314	monitoring	I	<0.5	<1.0	<1.0	2	1.8	4.3	3.3	2.8	3.6	1.9	<1.0
GWMW-11D	525 – 540	monitoring	D	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GWMW-15S	289 – 304	monitoring	I	**18**	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GWMW-15I	460 – 475	monitoring	D	<0.5	<1.0	2.6	**6.1**	**5.6**	**19**	**17**	**9.2**	**22**	**21**	**19**
GWMW-15D	581 – 596	monitoring	D	<0.5	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	1	1.4	<1.0
GWMW-16S	185 – 205	monitoring	S	---	---	---	1.6	4.9	**5.1**	**8.7**	2.5	4.6	**6.5**	**5.4**
GWMW-16D	350 – 370	monitoring	D	---	---	---	3.1	**5**	**16**	**15**	**21**	**23**	**24**	**24**
MW-1*	187 – 197	monitoring	S	0.2	---	<5.0	2.1	2.9	---	---	dry	---	---	---
MW-3*	180 – 190	monitoring	S	**6.4**	---	2.4	---	---	---	---	dry	---	dry	---
MW-4*	175 – 185	monitoring	S	1	---	4.2	---	---	---	---	dry	---	dry	---
*MW-5****	*182 – 192*	*monitoring*	*S*	*0.5*	---	*<1.0*	---	---	---	---	*dry*	---	*dry*	---
MW-SF2	184 – 199	monitoring	S	**8.3**	---	**7.4**	---	---	---	3.3	3.8	3.1	1.8	---
MW-SF5	138 – 153	monitoring	S	1.7	---	<1.0	1.1	<1.0	---	<1.0	<1.0	<1.0	<1.0	<1.0
MW-SF9	188 – 203	monitoring	S	<0.5	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-SF10	194 – 204	monitoring	S	**17**	---	**10**	**23**	**21**	**16**	**11**	**12**	**9.5**	**12**	**9.2**
NGMW-01	115 – 165	monitoring	S	---	---	---	---	---	<1.0	---	<1.0	<1.0	<1.0	<1.0
NGMW-02	115 – 165	monitoring	S	---	---	---	---	---	<1.0	---	<1.0	<1.0	<1.0	<1.0
NGMW-03	115 – 165	monitoring	S	---	---	---	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

[1] (P#) corresponding FLUTe well port prior to replacement in 2020
* water-level data only Statement of Work (SOW), table 1
** average of two sample results; during the sampling event see DBSA (2021)
*** MW-5 removed from monitoring network in 2023

RI/FS - EPA Remedial Investigation and Feasibility Study
PCE - tetrachloroethene
Rf - PCE results rejected, shown for information only
S, I, D - Shallow, Intermediate, and Deep Zones
--- indicates no available results or sample not required (see Table 2)

ft amsl - feet above mean sea level
ft bgl - feet below ground level
µg/L - micrograms per liter
bold values are equal to or above the MCL of 5 µg/L for PCE

Past analyses have used general chemistry and specific-conductance data compiled from the monitoring network to examine the correlation between elevated specific conductance and PCE concentrations at extraction well CLC 18 (JSAI, 2019). Almost all wells with elevated specific conductance represent the Shallow Zone which has been influenced by irrigation returns to the water table. Wells with specific conductance values less than 800 microsiemens per centimeter (µS/cm) have not been influenced by the Shallow Zone and do not have detectable PCE concentrations (JSAI, 2019). The primary conclusion is that groundwater with elevated specific conductance represents water originating from the Shallow Zone, and groundwater with relatively low specific conductance (< 800 µS/cm) is representative of the Deep Zone not impacted by the PCE plume. This basic distribution of specific conductance values helps with understanding the Conceptual Site Model (CSM) and mixing of zones.

2.5 CLC 18 and CLC 27 Operational Data

As part of the remedial design, in 2010, CLC 18 and CLC 27 were modified by performing partial plugback so that pumping would occur from the upper screen section where the PCE plume is present without clean groundwater contributions from the lower screen section. Following modifications, step-drawdown pumping tests and water-quality analyses were performed on CLC 18 and CLC 27 (JSAI, 2011).

Since start-up, groundwater level, metered diversions, and PCE-concentration data have been collected from CLC 18 and CLC 27. A specific conductance sensor was installed on the CLC 18 discharge line and connected to an LCU Supervisory Control and Data Acquisition (SCADA) system. The specific-conductance data were used to optimize the pumping cycle for CLC 18. Since 2018, CLC 18 specific-conductance data have been collected every 15 minutes. CLC 18 and CLC 27 also have flow meters and water-level transducers that are connected to the LCU SCADA system. Pumping and non-pumping groundwater-level data were collected on 15-minute intervals, and were verified by monthly hand-measured water levels. All CLC 18 and CLC 27 operational data presented herein were collected by LCU.

3.0 HYDROGEOLOGIC ANALYSIS

Some modifications to the original SCM developed by EPA for the RI/FS were made by JSAI (2019). These changes in the SCM inform how the groundwater monitoring program is evaluated and whether operation of the extraction and treatment system is making adequate progress toward achieving the Remedial Action Objectives and Remedial Goals.

3.1 Hydrostratigraphic Units

The Shallow Zone is primarily differentiated from the Intermediate Zone by a clay layer. The Intermediate and Deep Zones are similar in character but defined by elevation zones that allow mapping PCE impacts at various depths. The Shallow and Intermediate Zones have limited vertical groundwater flow (hydraulically disconnected) across the Site where the clay layer is present; however, the Shallow, Intermediate, and Deep Zones are hydraulically connected where the clay layer is thin or absent.

The SCM is illustrated by clay layer elevation and thickness contours (Figs. 2 and 3) and hydrogeologic cross-sections (Figs. 4, 5, 6, and 7). The clay layer is thickest near monitoring well NGMW-01 and thins outward (Fig. 3). Figure 2 shows the elevation of the top of the clay layer and the clay-layer depression at CLC 18. A preferential flow path is defined as the depression in the top of clay layer (3,790-ft elevation contour) trending from CLC 18 to the northeast toward MW-SF10 (Fig. 2). Areas in which the top of the clay layer has a relatively high elevation (>3,820 ft) limits horizontal groundwater flow in the Shallow Zone, particularly where the top of the clay is near the water table.

Head differences between Shallow and Deep Zone monitoring wells are summarized in Table 6. A prominent downward head gradient has been established across the Site from regional pumping. Most all of the supply wells in the area are screened deep and pump from the Intermediate and Deep Zones. Head differences greater than 5 ft are observed where the clay layer is present, indicating the Shallow Zone has a higher head perched on top of the clay layer because vertical flow is impeded. Where the clay layer is absent, such as at GWMW-15, there is a minimal head difference between Shallow and Deep Zones indicating hydraulic communication and vertical flow between zones.

Table 6. Summary of head difference between Shallow and Deep Hydrogeologic Zones measured in well pairs

well	hydrogeologic zone	Nov 2023 water-level elevation (ft amsl)	head difference [1] (ft)
GWMW-01S	Shallow	3,842.87	8.88
GWMW-01D	Deep	3,833.99	
GWMW-08S	Shallow	3,844.01	8.88
GWMW-08D	Deep	3,835.13	
GWMW-09S	Shallow [2]	3,839.94	3.52
GWMW-09D2	Deep	3,836.42	
GWMW-10S	Shallow [2]	3,839.99	6.26
GWMW-10D	Deep	3,833.73	
GWMW-11S	Shallow	3,842.76	9.89
GWMW-11D	Deep	3,832.87	
GWMW-15S	Intermediate [3]	3,837.58	0.55
GWMW-15D	Deep	3,837.03	
GWMW-16S	Shallow	3,842.00	7.52
GWMW-16D	Deep	3,834.48	

[1] Positive number indicates a higher head in the Shallow Zone than the Deep Zones.
[2] Clay layer between Shallow and Deep Hydrogeologic Zone is present but thin and permeable.
[3] Clay layer between Shallow and Deep Hydrogeologic Zone is not present.
ft amsl - feet above mean sea level

The thickness and extent of the low-permeability silt and clay beds that divide the Shallow Zone from the Intermediate Zone have influenced the lateral and vertical distribution of PCE in groundwater (Fig. 4). At CLC 18, the clay layer separating the Shallow and Intermediate Zones creates a hydraulic impediment to vertical flow. East of GWMW-16(S,D), the clay layer transitions to silt and fine sand, allowing for vertical groundwater flow from the Shallow to the Deep Zone under downward head-gradient conditions influenced by pumping from CLC 27 and other regional municipal wells completed in the Deep Zone.

3.2 Groundwater Flow

Regional groundwater flow direction and gradient in the vicinity of the Site has been influenced by municipal pumping. Figure 8 presents a bar graph of annual CLC pumping in the Site area since 1958. Regional groundwater-elevation contours for November 2023 are shown in Figure 9. At the Site, groundwater flow has been predominantly west to east since PCE was first detected (JSAI, 2006). Figure 10 presents November 2023 groundwater-level elevation

contours for the Shallow Zone at the Site, which indicate groundwater flow to the east-southeast. Eastward groundwater flow in all aquifer zones was previously established by a cone of depression caused by municipal well pumping along the I-25 corridor (CLC 18, CLC 19, CLC 20, CLC 21, CLC 24, CLC 26, and CLC 27) that occurred between 1960 and 2000 (JSAI, 2006). The north to south oriented groundwater trough caused by pumping along the I-25 corridor has varied in size with total pumping rate. Groundwater flow on the east side of this groundwater trough has been to the west toward the pumping center. Figures 11 and 12 present November 2023 groundwater-level elevation contours for the Intermediate and Deep Zones at the Site, which shows the drawdown cone established by extraction well CLC 27.

3.2.1 Horizontal Flow Direction

The hydraulic gradient across the region in the vicinity of the Site remains fairly gentle (0.001 to 0.0001 ft/ft), as defined by the 3,840- and 3,830-ft water-level elevation contours (Fig. 9), with hydraulic gradient steepening locally at active supply and extraction wells.

Groundwater flow in the Shallow Zone at the Site as shown in Figure 10 is generally toward the east-southeast with a localized cone of depression induced by extraction at CLC 18. The hydraulic gradient for Shallow Zone is 0.0014 ft/ft.

Groundwater flow in the Intermediate and Deep Zones as shown in Figures 11 and 12 is toward the cone of depression formed by extraction at CLC 27. As indicated by the 1-ft groundwater elevation contours, the head difference across the Site is about 4 ft. Groundwater flow at GWMW-15 is to the southwest toward CLC 27 (Fig. 11). Regional groundwater-elevation contours (Fig. 9) also indicate southwest groundwater flow direction between CLC 54 and CLC 27.

3.2.2 Vertical Head Gradient

The 2023 head difference between the Shallow and Deep Zones is 6 to 10 ft where the clay layer is present, and less where the clay layer is thin or absent (Table 6). Time-series data showing head differences for paired wells can be referenced from the hydrographs in Appendix B. GWMW-15(S,I,D) has the smallest head difference with respect to depth, and GWMW-01(S,I,D) and GWMW-11(S,I,D) have the largest head difference at the Site (Table 6).

The vertical downward head gradient where the clay zone is present is the primary mechanism that allows drainage through the gravel pack and capture of the Shallow Zone plume at extraction well CLC 18 (Fig. 4). The lack of vertical head gradient near GWMW-15 indicates there is no impedance of groundwater flow between the Shallow, Intermediate, and Deep Zones.

CLC 61 is screened much deeper (600 to 1,000 ft) than other wells in the area and when significantly pumped (1,500 acre-feet per year (ac-ft/yr)) may induce vertical groundwater flow where the clay layer is absent along the I-25 corridor, particularly in the area of GWMW-10, GWMW-15, CLC 19, and CLC 20. The effect of CLC 61 pumping was not previously apparent from groundwater-level elevation contouring analysis (JSAI, 2019). The groundwater-level effects of CLC 61 pumping became more apparent through more-detailed analyses of water-level trends from CLC 19, CLC 20, CLC 24, and CLC 26 (see Appendix B), where drawdown (water-level decline) and recovery (water-level rise) cycles in Site wells were easily correlated with sustained elevated CLC 61 pumping rates. Since remedial system start-up in 2012, CLC 61 pumping significantly varied between 0 and 1,673 ac-ft/yr (Fig. 7). Based on trend analyses, CLC 61 pumping only affects head gradients when sustained pumping rates are greater than 400 ac-ft/yr. CLC 61 was not pumped during 2023 (Table 4).

CLC 28, located north of the Site, was actively pumped during 2023 (Table 4, Fig. 8), which created a separate cone of depression (Fig. 9). However, there is no indication from the Site water-level data that pumping CLC 28 affects vertical head gradients or interferes with plume containment or capture (see Figs. 11 and 12; Appendix B graphs).

3.3 Water-Level Trends

Hydrographs are presented in Appendix B. Non-pumping water levels have been declining at extraction wells CLC 18 and CLC 27 with a decline rate of 0.6 to 0.8 ft/yr (Figs. B1 and B2). Hydrographs for inactive municipal wells within and surrounding the Site are presented as Figures B3 through B14. The average rate of water-level decline ranges from not discernable to 0.5 ft/yr for the areas surrounding the extraction well pumping. Seasonal water-level trends from regional pumping vary across the site. Observed seasonal water-level variations range from 2 to 3 ft within the Site (see Appendix B hydrographs for CLC 19, 20, and 21), whereas seasonal water-level variations range from 7 to 15 ft to the west and south of the Site (see Appendix B hydrographs for CLC 24 and 60). Seasonal water-level trends do not appear to affect direction of groundwater flow at the Site, but may contribute to vertical downward hydraulic gradients between the Shallow and Deep Zones.

Hydrographs comparing water-level measurements from the FLUTe well ports and the FLUTe replacement wells are presented as Figures B15 through B19. Measured water levels from the conventional replacement monitoring wells are more reliable, and show fewer erratic trends than the former FLUTe wells. Hydrographs for GWMW-11, GWMW-15, and GWMW-16

illustrate the maintained head difference between the Shallow, Intermediate, and Deep Zones (see Figs. B22 through B24). Intermediate and Deep Zone Site monitoring wells show a marked water level decline during 2023, which is attributed to the replacement of CLC 27 pump and regaining the rate of capture pumping (Table 4, Fig. B2).

During 2020, transducers were installed in GWMW-16(S,D). A hydrograph of GWMW-16(S,D) transducer data is presented as Figure B27. Water-level trends for GWMW-16(S,D) show seasonal variation due to regional pumping (Fig. B27).

3.4 Geochemical Characteristics

A correlation was previously made between specific conductance and PCE concentrations at CLC 18 (JSAI, 2013). In the past, continuous monitoring of specific conductance at CLC 18 has been used to optimize capture of the Shallow Zone PCE plume (see JSAI companion report titled, *Calendar Year 2023 Optimization Assessment Report Griggs and Walnut Groundwater Plume Superfund Site, Las Cruces, New Mexico*).

At the Site monitoring wells, elevated specific conductance (>1,500 µS/cm) correlates with the Shallow Zone, and low specific conductance (<800 µS/cm) correlates with the Deep Zone. Specific conductance measurements between 800 and 1,500 µS/cm indicate mixing between the Shallow and Deep Zones. This simple correlation provides a line of evidence for the communication between zones in the SCM.

3.5 PCE Plume

Since remedial system start-up in 2012, the Site PCE plume has been decreasing in size and concentration (see Table 5 and graphs in Appendix D). Prior to system start-up, PCE concentrations were above 40 micrograms per liter (µg/L) at CLC 18 (Shallow Zone) and GWMW-10 (Intermediate Zone), whereas the 2023 results were below 5 µg/L at CLC 18 but still elevated at GWMW-10I. Other monitoring points showing steady declines in PCE concentration include GWMW-09(S,D1,D2), MW-3, and MWSF-10. November 2023 PCE concentrations are shown with the groundwater-elevation contours on Figures 10, 11, and 12 for the Shallow, Intermediate, and Deep Zones.

3.5.1 Horizontal Extent

The estimated PCE plume horizontal extent above the clay layer in the Shallow Zone is confined to an area between CLC 18 and GWMW-09 (Fig. 10), with the highest Shallow Zone PCE concentrations of 9.2 µg/L observed at MW-SF10 (Table 5, Fig. 10). Monitoring wells

MW-SF2, GWMW-08S, GWMW-01S, GWMW-09S, and GWMW-10S GWMW-16S and MW-SF10 define the Shallow Zone PCE extent. The extent of PCE in the Shallow Zone appears to be constrained by the preferential flow path defined by the top of the clay layer (Fig. 2). PCE concentrations at extraction well CLC 18 and in Shallow monitoring wells (the MW and MW-SF series) have significantly decreased over time (see graphs in Appendix D), indicating the Shallow Zone plume is decreasing in both concentration and size, and moving east to be captured by CLC 27 where the clay layer is absent in the area of GWMW-10 (Fig. 11).

The horizontal extent of the plume in the Intermediate Zone is currently defined by monitoring wells GWMW-01I, GWMW-11I, GWMW-15S, GWMW-16D, CLC 20, and CLC 21. The highest 2023 PCE concentration observed in the Intermediate Zone is 30 µg/L at GWMW-10I (Table 5, Fig. 11). Due to a previously identified data gaps, the southern extent of the Intermediate Zone PCE plume is inferred.

The horizontal extent of the plume in the Deep Zone is currently defined by monitoring wells GWMW-01D, GWMW-08D, GWMW-10D, GWMW-11D, CLC 20, and CLC 21 (Fig. 12). The highest 2023 PCE concentration observed in the Deep Zone is 24 µg/L at GWMW-16D (Table 5, Fig. 11). GWMW-09(D1,D2) 2023 data indicate that the PCE observed at GWMW-15I at concentrations greater than 10 µg/L are isolated from the primary plume mass in the Intermediate and Deep Zones (Fig. 11). A data gap for the Deep Zone horizontal plume definition has been identified southeast of CLC 27 as indicated by the inferred plume extent.

These identified data gaps in the Intermediate and Deep Zones south of CLC 27 are currently being addressed by the installation of proposed monitoring wells.

3.5.2 Vertical Extent

The estimated vertical extent of the PCE plume in the Shallow Zone is controlled by the clay layer where it is present. Due to the observed downward gradient, the Shallow Zone PCE plume vertically migrates to the Intermediate and Deep Zones where the clay layer is absent (Fig. 4). Downward head differences vary across the plume area (Table 6). Head differences during November 2023 were observed to vary from 9.89 ft at GWMW-01 to 0.55 ft at GWMW-15. The vertical extent in the Deep Zone is fully defined where PCE is below the standard in the deepest Deep Zone monitoring points (i.e., GWMW-09D2 and GWMW-10D).

An indicator of vertical movement of the plume due to downward gradient is the observed changes in PCE concentration at GWMW-15S and GWMW-15I. The PCE concentration detected in GWMW-15S was 18 µg/L in 2005, but below 5 µg/L by 2009. The PCE concentration at

GWMW-15I was below 5 µg/L in 2005, but increased to 19 µg/L (a similar level to the highest concentration observed at GWMW-15S) by January 2019 (see Fig. D8, Appendix D). Therefore, assuming one-dimensional vertical transport, similar PCE concentrations migrated 156 ft vertically from GWMW-15S to GWMW-15I over a period of approximately 13 years. This equates to a rate of vertical plume movement from GWMW-15S to GWMW-15I of approximately 12 ft/yr or 0.03 ft/day (156 ft in 13 years).

Vertical groundwater velocity between GWMW-15S and GWMW-15I can be calculated by Darcy's Law (e.g., Fetter, 2001):

$$v = (K \bullet i) / ne$$

where K = hydraulic conductivity (L/T)
i = hydraulic gradient (unitless)
ne = effective porosity (unitless)

The average linear vertical velocity is 0.3 ft/day based on a hydraulic conductivity of 10 ft/day, a vertical groundwater gradient of 0.003 ft/ft (0.55-ft head difference in November 2023 divided by 156 ft) and an effective porosity of 0.10 (estimated). The vertical hydraulic conductivity may be less due to anisotropy in hydraulic conductivity. Assuming a vertical hydraulic conductivity of 0.1 ft/day (anisotropy of 0.01), the calculated velocity would be reduced to 0.003 ft/day. Therefore, the average linear groundwater velocity calculated from Darcy's Law ranges from 0.003 to 0.3 ft/day. Although the Darcy's Law calculation does not account for PCE transport mechanisms such as dispersion, sorption, and degradation, the calculated range of vertical velocity values bracket the value estimated from the PCE time-series data at GWMW-15 and provides a range of potential migration rates based on the November 2023 vertical gradient.

PCE concentration was below the detection limit at GWMW-15D from the November 2023 sampling event (Table 5), possibly indicating lateral migration of the GWMW-15 PCE plume in the Intermediate Zone.

In contrast to the observed vertical plume movement at GWMW-15, the results at GWMW-09 and GWMW-10 do not indicate vertical plume movement in the Intermediate and Deep Zones, but rather horizontal plume movement towards extraction well CLC 27 (Table 5, Figs. 11 and 12). For example, PCE concentrations at GWMW-09D1 and D2 have decreased over the last three sampling events to below 5 µg/L. PCE concentrations at GWMW-10I have remained elevated (13 to 30 µg/L) for the last four sampling events, whereas in the November 2023 sampling event, GWMW-10D was below 1 µg/L. GWMW-01(S,I,D) results indicate the plume is present only in the Intermediate Zone at that location (Table 5).

3.6 Site Conceptual Model Summary

Based on 2023 monitoring results presented above, the current CSM is reviewed and updated as needed. The geologic model by JSAI (2019) identified preferential flow pathways on top of the clay layer (Fig. 2) that explain the movement of the Shallow Zone PCE plume toward extraction well CLC 18 and MW-SF10. The Shallow Zone PCE plume has been removed around CLC 18, and, based on groundwater flow direction, the remaining plume is migrating to or within the capture zone of CLC 27. PCE concentrations below 5 µg/L at MW-SF10 and GWMW-16S would indicate that the Shallow Zone plume above the clay layer has achieved cleanup goals, and the remaining plume has migrated to the CLC 27 Intermediate Zone capture area.

Eastward groundwater flow was established by municipal pumping that began in the 1960s (Fig. 8). The PCE plume at CLC 18 previously migrated east to southeast until intercepted by municipal well pumping (CLC 19 and CLC 21). Pumping at wells CLC 54 and CLC 57, between 1988 to 2002 may have caused the eastward migration of the PCE plume to GWMW-15; however, Site data are indicating that the observed PCE concentrations at GWMW-15I are related to a separate source. Given the distribution of higher PCE concentrations at GWMW-16D and GWMW-15I, with lower PCE concentration in between at GWMW-09, it is possible that the observed PCE concentrations at GWMW-15(S,I) are related to separate sources that have commingled into one plume.

The vertical extent of the PCE plume in the Shallow Zone is controlled by the clay layer; however, due to the downward gradient, the Shallow Zone PCE plume vertically migrates to the Intermediate and Deep Zones where the clay layer is absent. Therefore, CLC 27 will capture the PCE plume in the Shallow Zone where the clay layer is absent as well as in the Intermediate and Deep Zones.

Previous analysis of Site data indicated that pumping from CLC 61 between 2013 and 2018 may have accelerated the vertical plume movement between GWMW-09 and GWMW-15 where the clay layer is absent. There is no indication that past pumping from CLC 61 significantly affected horizontal movement or hydraulic capture (JSAI, 2019) of the PCE plume by extraction well CLC 27 (see JSAI, 2023).

From 2023 data, the primary PCE plume mass is located in the Intermediate Zone and within the cone of depression created by pumping extraction well CLC 27 (Fig. 10). A data gap related to defining the southern extent of the Intermediate and Deep Zone PCE plume have been identified and discussed in JSAI (2023). Proposed monitoring wells in the Intermediate and Deep Zones south of MW-SF9, as shown on Figure 7, will address the identified data gap.

4.0 NUMERICAL MODEL UPDATE

The Griggs and Walnut groundwater-flow and solute-transport model (JSAI, 2006) was used for the EPA Remedial Investigation and Feasibility Study (EPA, 2006). The model was updated in 2009 (JSAI, 2009). Additional model updates have been made from 2017 through 2023 and are summarized in this report.

As a result of the discontinued pumping from municipal wells surrounding the Site, there is less of a need to use the full extent of the original model, which simulated pumping outside of the GWP area (Fig. 13). Beginning with the original model, the Site Telescope Mesh Refinement (TMR) model was constructed (JSAI, 2017). The area of the TMR model is shown on Figure 13. The main objective of the TMR model is to simulate the local hydraulic influences of the clay layer on plume capture that could not be resolved with the original model.

The TMR model consists of the original five model layers with 66 rows and 66 columns, and model cell dimensions of 200 by 200 ft. The TMR model grid with the Site monitoring network is shown on Figure 14. Groundwater Vistas (ESI, 2021) software was used to run the MODFLOW model.

It was assumed that year-2012 Site conditions, prior to pumping from CLC 18 and CLC 27, represented a steady-state condition. The steady-state condition was simulated by adding general head boundaries (GHB) for groundwater inflow at the northwest corner of Layer 1 and groundwater outflow along the north, west, and south sides of Layer 5. Previous additional calibration measures included the following:

1. Reduced hydraulic conductivity of clay layer in Layer 2 from 1 ft/day to 0.01 ft/day
2. Reduced specific yield from 0.15 to 0.10
3. Increased hydraulic conductivity in Layer 4 from 5 to 15 ft/day

The model update consisted of incorporation of monthly pumping data and all available water-level data for calibration. Measured model input data were extended through the end of 2023. Appendix C lists the simulated annual pumping from wells CLC 18, CLC 27, CLC 28, and CLC 61. The only pumping simulated in the model for 2023 includes CLC 18 from Layer 1, CLC 27 from Layers 3 and 4, and CLC 28 from Layers 3 and 4. Transient groundwater-flow simulations included the time period from May 2012 to end of 2023. Future transient groundwater-flow simulations were expanded to 2034 to accommodate the 14-year period from the revised SOW effective date of June 30, 2020.

4.1 TMR Model Calibration

Several common statistical measures for comparing observed hydraulic heads with simulated hydraulic heads were used to assess the updated calibration of the groundwater flow model: root-mean-squared error (RMSE), mean absolute error (MAE), mean error (ME), correlation coefficient (r), and coefficient of determination (r^2). All of these statistics are well known and are defined elsewhere (e.g., Anderson and Woessner, 1992; Davis, 1986). The normalized RMSE (ratio of RMSE to total range in observed heads) is also considered. For perfect calibrations, the RMSE, MAE, and ME tend to zero, whereas r and r^2 tend to one. The correlation coefficient and the coefficient of determination measure the linear relationship between simulated and observed hydraulic heads. The closer r and r^2 are to one, the better the fit between the observed and modeled data.

Groundwater-head calibration results are shown on the hydrographs in Appendix E and calibration results are also presented in Figure 15. The model-simulated heads reasonably matched observed heads in the Upper and Lower Hydrogeologic Zones. Model-simulated heads also match reasonably well to CLC 18 and CLC 27 static water levels but do not match their pumping water levels. This is due to well efficiency and the pumping water level inside of the wellbore being below the aquifer water level. The model computes a water level across the entire model cell area and not a water level inside of the wellbore. A total of 82 available data points was used to compare measured water levels for the 11 active calibration targets. The histogram on Figure 15 shows that 96% (79 out of 82) of the absolute residual values are less than 4 ft and that 100% (82 out of 82) are less than 5 ft. Calibration statistics are summarized in Table 7. The calibration targets for GWMW-11(I,D) and GWMW-15(I,D) had the greatest residuals of observed less simulated. Confirmation of the increased water level decline at these monitoring points will be verified with the next round of measurements in the winter of 2024.

The model has layer elevations that range from land surface to over 1,300 ft below and has calibration points throughout. The model shows an acceptable correlation between observed and simulated water levels ($r^2 = 0.78$) with a normalized RMSE of 13%. The normalized RMSE is a measurement of the spread of residuals (differences between simulated and observed values). If the normalized RMSE is small—typically less than 10 to 15%—then a “good” calibration is generally indicated (ESI, 2011) and the remaining errors are considered to be a negligible part of the overall model response (Anderson and Woessner, 1992).

Table 7. Summary of model calibration statistics for historical transient simulation 2012 through 2023

statistics of calibration targets	result
number of targets	82
range in observed head	16.01
mean observed head	3,840.7
maximum residual (ft)	4.1
minimum residual (ft)	-4.7
RMSE (ft)	1.95
standard deviation of residual error (ft)	1.9
bias (mean error in ft)	0.30
normalized RMSE	0.239
R-squared	0.825

RMSE - root-mean-squared error

Vertical-head gradients in the observed water-level dataset were compared to the model simulated head differences for 2023 data (Table 8). The model provides a reasonable match to observed head differences across the Site. Given that the model statistics indicate a reasonable calibration and that the measuring points are scattered both vertically and horizontally across the domain, it can be concluded that the modeled system is well represented in both dimensions.

The model simulates a higher head difference than observed at GWMW-10 and GWMW-16, which is partly due to the vertical difference between model layer elevation and screen interval elevations. The biggest discrepancies in observed versus modeled vertical head differences are at GWMW-08 and GWMW-11 (Table 8), both under-estimated. The observed head difference at the Site is influenced by CLC 27 pumping, but also regional pumping from outside the TMR model domain. As observed at GWMW-16 (Fig. B27), there is a lag between Shallow and Deep Zone seasonal water-level fluctuations that is not represented by the model.

Table 8. Summary of observed and model simulated head difference between Shallow and Deep Hydrogeologic Zones

well	hydrogeologic zone	Nov 2023 water-level elevation (ft amsl)	Nov 2023 simulated water-level (ft amsl)	head difference (ft)	model-simulated head difference (ft)
GWMW-01S	Shallow	3,842.87	3,842.84	8.88	6.03
GWMW-01D	Deep	3,833.99	3,836.81		
GWMW-08S	Shallow	3,844.01	3,843.32	8.88	4.19
GWMW-08D	Deep	3,835.13	3,839.13		
GWMW-09S	Shallow	3,839.94	3,841.99	3.52	2.61
GWMW-09D2	Deep	3,836.42	3,839.38		
GWMW-10S	Shallow	3,839.99	3,841.52	6.26	7.47
GWMW-10D	Deep	3,833.73	3,834.04		
GWMW-11S	Shallow	3,842.76	3,842.81	9.89	4.45
GWMW-11D	Deep	3,832.87	3,838.36		
GWMW-15S	Intermediate	3,837.58	3,841.66	0.55	0.25
GWMW-15D	Deep	3,837.03	3,841.41		
GWMW-16S	Shallow	3,842.00	3,842.32	7.52	8.42
GWMW-16D	Deep	3,834.48	3,833.90		

ft amsl - feet above mean sea level

The overall distribution of vertical head differences across the Site are reasonably-well simulated by the model. The model calibration appears less robust now that the 2023 data have been incorporated partly due to significant declines in water levels at GWMW-11(I,D) and GWMW-15(S,I,D) in 2023 (see Figs. E4 and E5). Currently, there are four monitoring events from the new monitoring well network and water levels are measured annually. Additional time-series data from the new monitoring network will be used to improve model calibration, if needed.

5.0 EFFECTIVENESS OF MONITORING NETWORK

Primary data from the monitoring network include measured groundwater levels, metered pumping, and PCE concentration from collected samples. The SOW (EPA, 2020) requires monthly water-level monitoring from CLC 18 and CLC 27, quarterly water-level monitoring from inactive City wells in the Site area, and annual water-level monitoring from the monitoring well network. Groundwater-level monitoring and metered pumping from the extraction wells and active and inactive City wells are performed monthly by LCU; however, many of the City wells have transducers with hourly data collection. Groundwater-quality data are collected annually from the monitoring network by DBS&A.

The effectiveness of the monitoring system is based on the ability to characterize and monitor the groundwater plume over time. Two general categories for characterizing the groundwater plume include defining the groundwater flow direction and defining the extent of the PCE plume.

5.1 Groundwater Flow Direction

The water-level monitoring program provides a robust dataset for determining groundwater flow direction in the Shallow, Intermediate, and Deep Zones on a regional and local scale. Water-level interpretation has significantly improved with surveying measuring points in 2019 and replacement of the FLUTe wells in 2021. Time-series water-level data are critical for calibration of the model used to assess remedial progress and effectiveness of the monitoring network. There are adequate groundwater-level data for defining the groundwater flow direction as shown on Figures 10, 11, and 12, and by the hydrographs in Appendix B.

The groundwater elevation contours are well defined up gradient, cross gradient, and down gradient of the Shallow Zone PCE plume (Fig. 10). The groundwater elevation contours are reasonably defined up gradient, cross gradient, and down gradient of the Intermediate Zone PCE plume with the exception of the area south of CLC 27 (Fig. 11). The groundwater elevation contours are well defined up gradient, cross gradient, and down gradient of the Deep Zone PCE plume with the exception of the area south of CLC 27 (Fig. 12). With the exception of the proposed monitoring wells south of CLC 27, no additional water-level monitoring points are required for the monitoring network to be effective.

5.2 Defining Extent of PCE Plume

The PCE plume in the Shallow Zone is adequately defined by the present monitoring network, with monitoring data less than the PCE standard of 5 µg/L at locations shown on Figure 10 other than where the plume is outlined. Based on the 2023 monitoring data, the Shallow Zone PCE plume has an average concentration of 7 µg/L. The extent of the plume north of MW-SF10 is inferred, but bracketed to the east by GWMW-09S and to the west by GWMW-08S. Data from November 2023 result in PCE concentrations at GWMW-10S and GWMW-16S above but near the standard of 5 µg/L. Time-series data at GWMW-16S indicate concentrations have been below or slightly above the MCL with no upward trend. Although the November 2023 result at GWMW-10S was slightly above the MCL, the three previous sampling events were below the MCL and additional sampling is needed to confirm this observation. Furthermore, GWMW-10S is located where the clay layer is thin or absent, downward vertical gradients are present, and within in the capture zone of CLC 27; therefore, the Shallow Zone plume remains contained. PCE concentrations at MW-SF9 remain below the reporting limit of 1 µg/L. Although cross-gradient during the November 2023 monitoring period, monitoring well MW-SF9 has historically been downgradient of a portion of the Shallow Zone plume and provides additional evidence of the limited extent of the plume towards the southeast and supports that the Shallow Zone plume remains in the area of capture by CLC 27.

The extent of elevated PCE concentrations in the Intermediate Zone at GWMW-01I, GWMW-10I and GWMW-16D is reasonably well defined (Fig. 11). The extent of the plume north of GWMW-16D and south of CLC 27 is inferred. The inferred plume area north of GWMW-16 is hydraulically up-gradient of the known plume extent and somewhat constrained by results from GWMW-08(S,D). The area south of CLC 27 and GWMW-10I are within the cone of depression caused by pumping CLC 27 and confined by the results from CLC 20. Furthermore, the known extent of the Intermediate Zone PCE plume is centered on extraction well CLC 27. Data from CLC 21 and CLC 57 also help constrain the Intermediate Zone plume extent to the northeast and east.

The extent of elevated PCE concentrations in the Deep Zone appears to have two separate areas of concentrations greater than 10 µg/L, with one area around GWMW-16D and the other area around GWMW-15I (Fig. 12). The Deep Zone plume extent is defined to the

north by GWMW-09(D1,D2). The Deep Zone PCE plume extent is inferred to the north, east and south of GWMW-15I (see dashed plume contours, Fig. 12). The known Deep Zone PCE plume extent is somewhat confined by results from December 2021 CLC 19 and CLC 21. The Deep Zone plume extent is within the cone of depression caused by pumping CLC 27. The Deep Zone plume localized around GWMW-15I is defined by GWMW-15, GWMW-09(D1,D2), CLC 19, and CLC 21 (Fig. 12). The eastern half of this plume is inferred, but the groundwater-flow direction is to the southwest towards CLC 27.

6.0 SUMMARY OF FINDINGS

The three hydrogeologic zones, Shallow, Intermediate, and Deep, are primarily differentiated by the presence or absence of the clay layer, and water-level elevations measured in nested monitoring wells screened at different depths. The Shallow Zone is not hydraulically connected across the Site to the Intermediate Zone where the clay layer is present, but the Shallow, Intermediate, and Deep Zones are hydraulically connected across the Site where the clay layer is absent. The geologic model by JSAI (2019) defined the clay layer extent, which better explains the observed horizontal and vertical groundwater flow mechanisms, PCE plume distribution, and PCE plume capture by extraction wells (see Figs. 2 through 12).

Pumping from CLC 27 decreased during Fall 2022, and the pump was replaced in early 2023. CLC 27 pumping was maintained consistently from February to December 2023 (Table 4), so the November 2023 annual monitoring data are representative of CLC 27 pumping requirements for plume containment and capture.

When considering the current Site monitoring network and LCU regional monitoring network, it is evident that adequate groundwater-level data are collected to evaluate groundwater flow direction in the Shallow Zone (Fig. 10), Intermediate Zone (Fig. 11), and Deep Zone (Fig. 12). The hydraulic gradient across the Site is fairly gentle, as defined by the 3,840- and 3,830-ft water-level elevation contours (Fig. 9), with a cone of depression shown at CLC 27.

Given the relatively gentle hydraulic gradient, the re-surveying of measuring point elevations in early 2019 (Table 2; Appendix A) provides better confidence in the water-level elevation contouring efforts; for example, 1-ft water-level contour intervals are now possible for creating Figures 10, 11, and 12.

In 2023, the Shallow Zone PCE plume had an average PCE concentration of 7 µg/L. The vertical and horizontal extent of the Shallow Zone PCE plume is adequately defined by the Site groundwater monitoring network. The December 2023 results from GWMW-10S need to be verified to determine if the Shallow Zone plume has moved southeast to GWMW-10S.

The Intermediate Zone PCE plume comprises the highest remaining PCE concentrations (Figs. 10 through 12) with an average PCE concentration of 20 µg/L. The Intermediate Zone PCE plume is reasonably well defined and centered on extraction well CLC 27 cone of depression (see Fig. 11). A data gap for horizontal plume definition in the Intermediate Zone has been identified south to southeast of CLC 27 (see JSAI, 2023), which is currently being addressed by the installation of a monitoring well.

The Deep Zone PCE plume appears to be bifurcated into two relatively high concentration areas (Fig. 12) with one area around CLC 27 and the other area at GWMW-15I. A data gap for horizontal plume definition in the Deep Zone has been identified south to southeast of CLC 27 (see JSAI, 2023), which is currently being addressed by the installation of a monitoring well.

The portion of the PCE plume around GWMW-15I is not well defined by the available data. Continued monitoring from GWMW-09(D1,D2), GWMW-15(I,D), CLC 19 and CLC 21 will help better understand the GWMW-15 PCE plume migration characteristics and remedial progress; that is, based on the assumption that the PCE contamination around GWMW-15 is associated with the Griggs and Walnut Site.

The Site Telescope Mesh Refinement (TMR) model (JSAI, 2017) was updated with data collected from 2017 to 2023 and satisfactorily calibrated. Pumping from CLC 61 was also added to the model calibration and simulations by JSAI (JSAI, 2019). CLC 61 is screened deeper (600 to 1,000 ft) than all other wells in the area, and when significantly pumped (as observed in 2018) has the potential to induce vertical groundwater flow where the clay layer is absent, particularly in the area of GWMW-10, GWMW-15, CLC 19, and CLC 20. Additional analysis of CLC 61 pumping effects on the PCE plume can be referenced from JSAI (2023).

Monitoring data from CLC 18 and CLC 27 allow for performance evaluation and adequate calculation of PCE plume mass removal (see JSAI companion report titled, *Optimization Assessment Report 2023 Griggs and Walnut Groundwater Plume Superfund Site, Las Cruces, New Mexico*).

7.0 RECOMMENDATIONS

The following recommendations are based on review and analysis of all Site monitoring data, and results from the updated TMR groundwater flow model calibration.

1. Maintain CLC 27 average monthly pumping rates between 220 and 240 gpm.

2. Discontinue pumping from CLC 18. It was previously recommended to discontinue pumping from CLC 18 if PCE concentrations continue to be below 5 µg/L for 6 consecutive months and no increasing trend is observed. These criteria have been met (see Fig. D1). Monthly monitoring will continue to assess PCE concentrations when CLC 18 pumping is discontinued.

3. Perform monthly reviews of LCU water-level and metered-pumping data in an effort to improve the quality assurance and quality control (QAQC) process. The JSP should make sure that the transducer data are compared to hand measured water level on a monthly basis. The monthly metered pumping from CLC 27 should be reviewed and compared to operational factors.

4. Data from the monitoring network are adequate for evaluating remedial progress, except for the apparent separate Deep Zone PCE plume localized around GWMW-15. Continued sampling from GWMW-09(D1,D2), GWMW-15(I,D), CLC 19, and CLC 21 are needed to track the Deep Zone PCE plume trends and extent between GWMW-15 and GWMW-09.

5. The Intermediate and Deep Zone PCE plumes are not well-defined southeast of CLC 27. To address this data gap, the installation of an Intermediate and Deep Zone monitoring well pair southeast of CLC 27 has been recommended (Fig. 7) and is in progress.

6. 2024 sampling data from GWMW-10S will help verify the extent of the Shallow Zone plume. The three sampling events prior to November 2023 resulted in PCE concentrations well below 5 µg/L, and the November 2023 sampling resulted in a concentration of 6.5 µg/L. This data point is important for defining the downgradient extent of the Shallow Zone PCE plume, and an additional data point from 2024 sampling would help established a trend.

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ILLUSTRATIONS



Figure 1. Aerial photograph of the Griggs and Walnut Site showing monitoring network, City of Las Cruces, New Mexico.

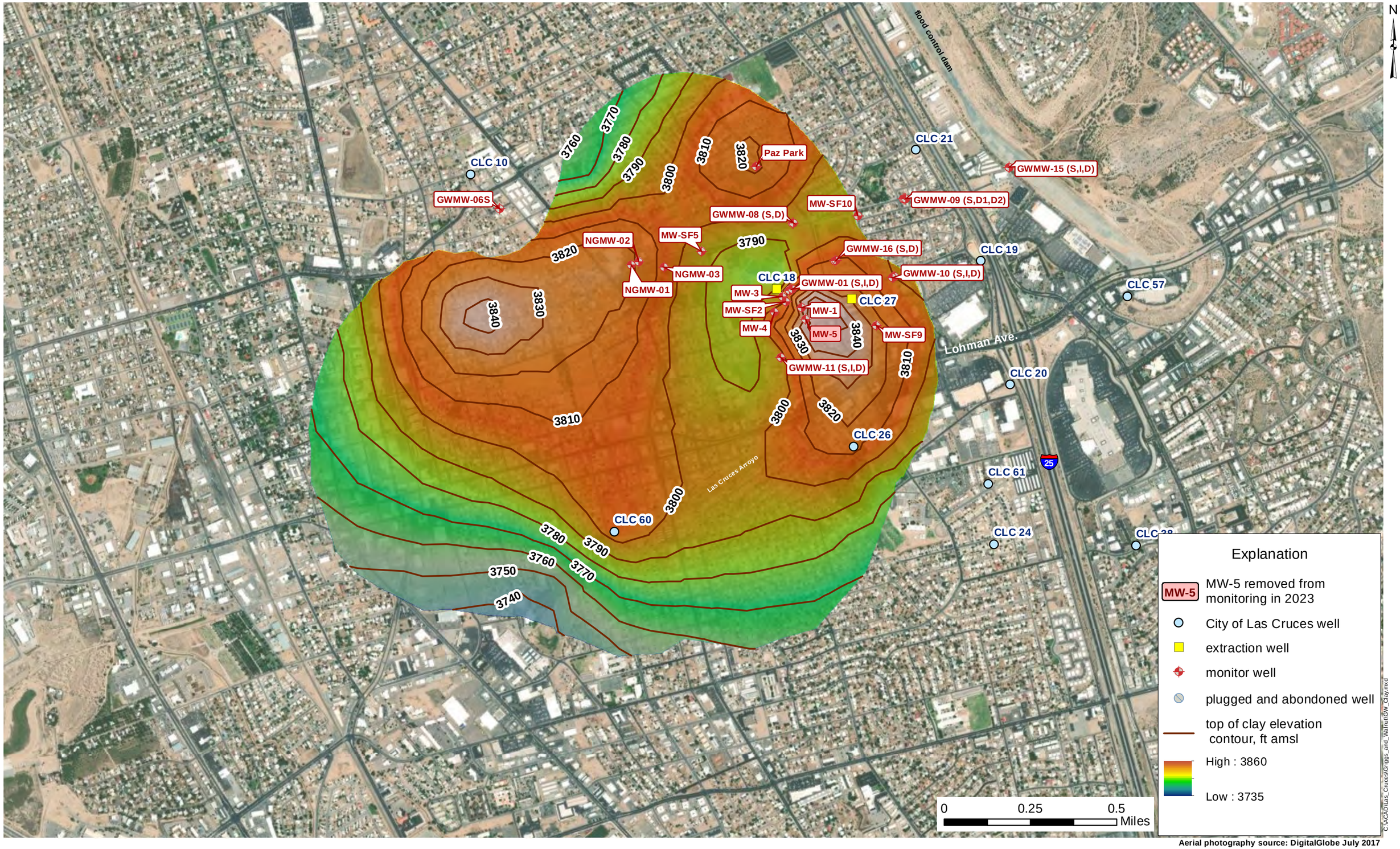


Figure 2. Aerial photograph of the Griggs and Walnut Site showing top of clay layer elevation contours and clay layer extent, Las Cruces, New Mexico.

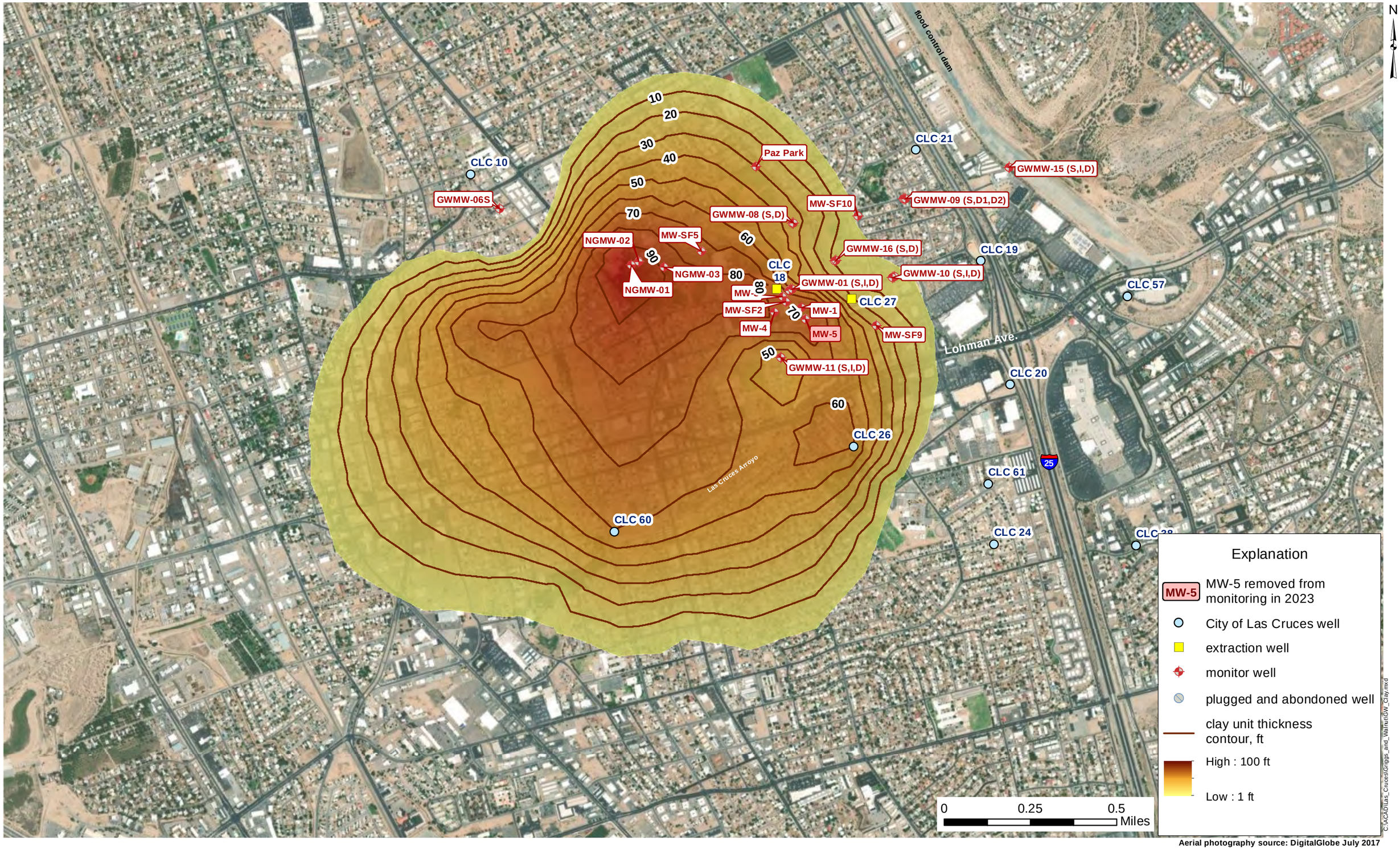


Figure 3. Aerial photograph of the Griggs and Walnut Site showing clay layer extent and thickness contours, Las Cruces, New Mexico.

A

WEST

A'

EAST

GWMW-03 (plugged and abandoned)

NGMW-03

irrigation returns from park area

CLC 18

(bend in section)

GWMW-01(S,I,D) (projected)

(bend in section)

GWMW-16(S,D)

(bend in section)

MW-SF10

(bend in section)

GWMW-09(S,DI,D2)

GWMW-15(S,I,D)

vadose zone

zone of horizontal migration in Shallow Zone

zone of vertical migration in Shallow Zone

[Hydrogeologic Zones]

[SHALLOW]

[INTERMEDIATE]

[DEEP]

elevation, feet above mean sea level

4,100

4,000

3,900

3,800

3,700

3,600

3,500

3,400

<1.0

2.5

<1.0

5.4

9.2

<1.0

<1.0

15

24

2.2

19

draining of PCE plume in Hydrogeologic Zone 1 into extraction well CLC 18

?

?

?

380'

TD 516.5'

plugged back screen section

<1.0

TD 580'

approximate extent of PCE plume in 2005

1.7

TD 570'

<1.0

TD 620'

TD 564'

TD 632'

modified from JSAI, 2006 and 2016

EXPLANATION

predominantly sand, silt, and clay

predominantly sand and gravel**

PCE concentrations >5 µg/L (Nov. 2023)

approximate water table

dashed where inferred

screen section

direction of flow

4.5 PCE concentration, µg/L (Nov. 2023)

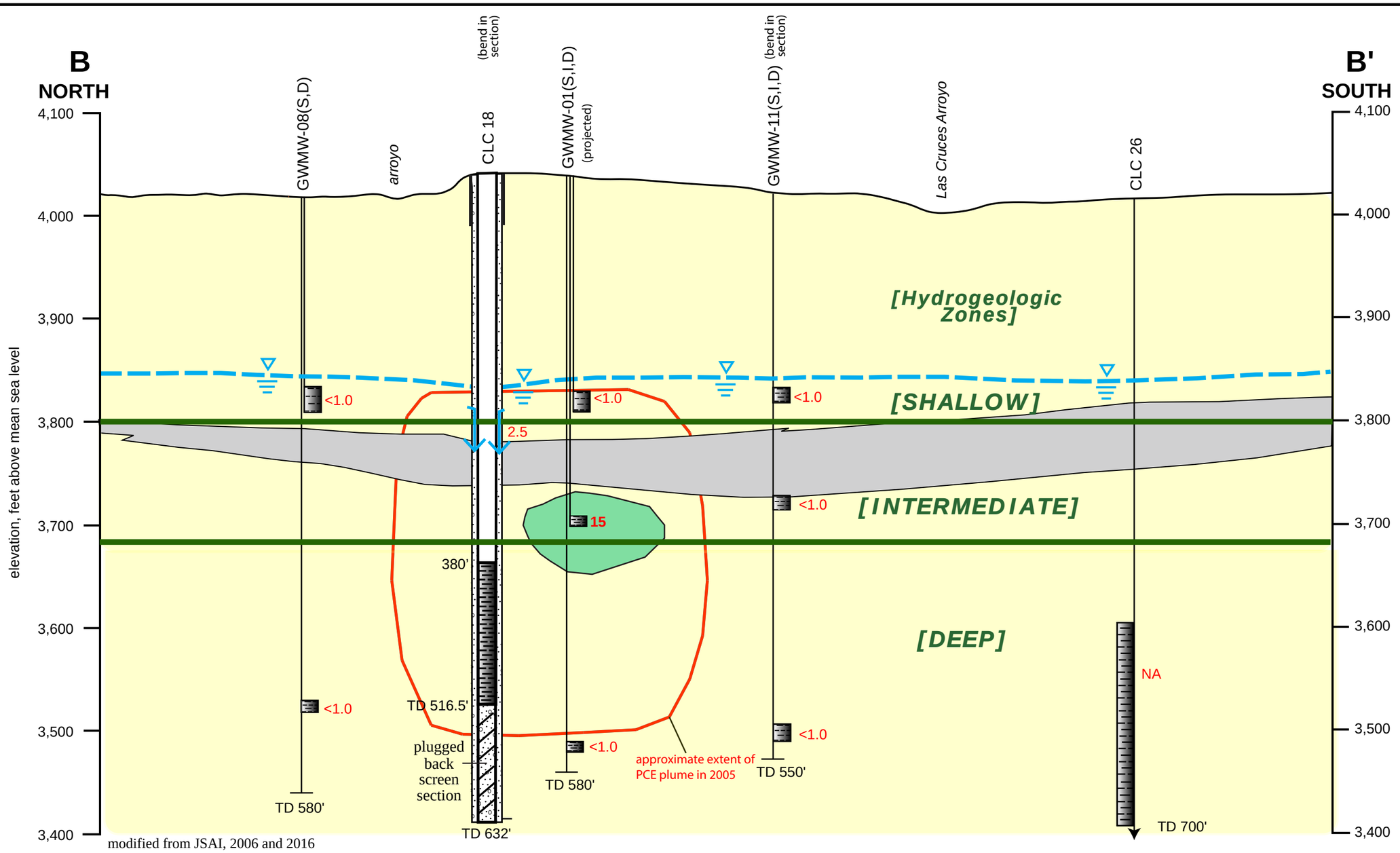
(S,I,D) Shallow, Intermediate, and Deep Zone

(wells not to horizontal scale)

0 500 1,000 ft

horizontal scale

Figure 4. Hydrogeologic cross-section A-A' with November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.



EXPLANATION

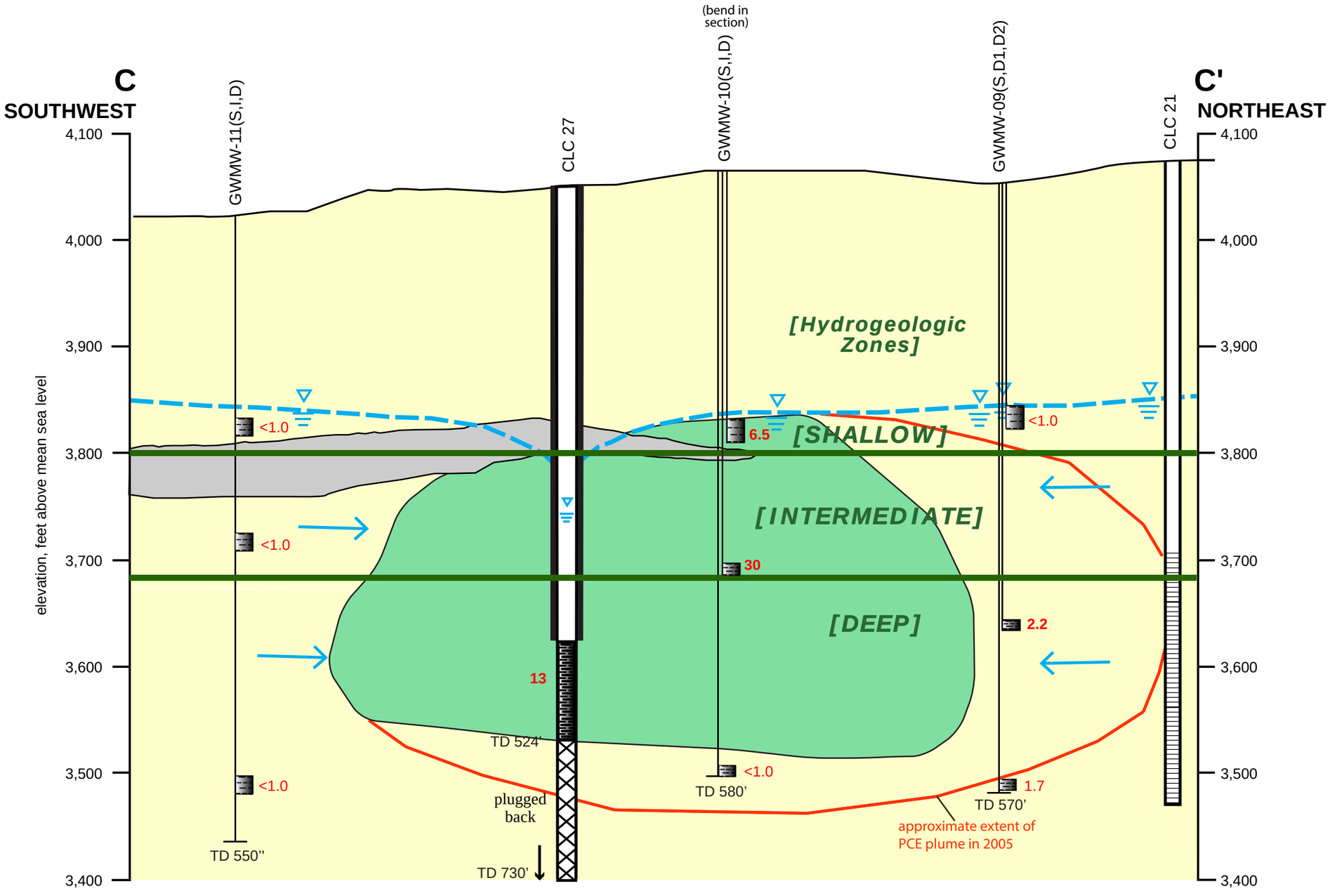
- predominantly sand, silt, and clay
- predominantly sand and gravel**
- PCE concentrations >5 µg/L (Nov. 2023)
- approximate water table
- dashed where inferred
- screen section
- direction of flow
- well casing
- annular space
- 3.6 PCE concentration, µg/L (Nov. 2023)
- (S,I,D) Shallow, Intermediate, and Deep Zone

(wells not to horizontal scale)

0 500 1,000 feet

horizontal scale

Figure 5. Hydrogeologic cross-section B-B' with November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.



predominantly sand, silt, and clay
predominantly sand and gravel**
PCE concentrations >5 µg/L (Nov. 2023)
approximate water table
dashed where inferred

screen section
direction of flow
1.2 PCE concentration, µg/L (Nov. 2023)
(S,I,D) Shallow, Intermediate, and Deep Zone
(wells not to horizontal scale)

well casing
annular seal

0 500 1,000 feet
horizontal scale

Figure 6. Hydrogeologic cross-section C-C' with November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

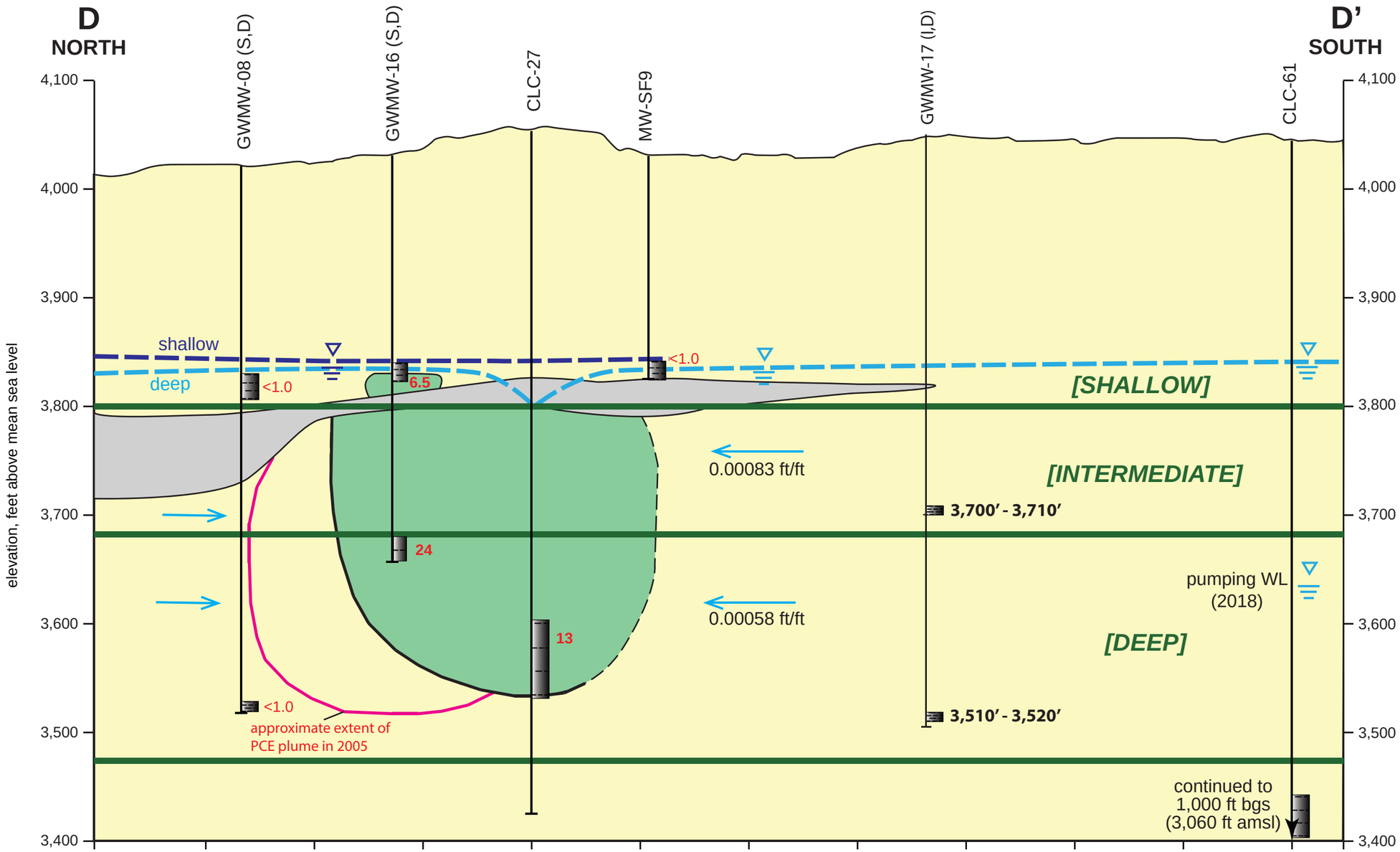


Figure 7. Hydrogeologic cross-section D-D' with November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

:\Las Cruces, City of\GRIGGS & WALNUT\2024 GWP reports\GW Monitoring Eval RPT\figures

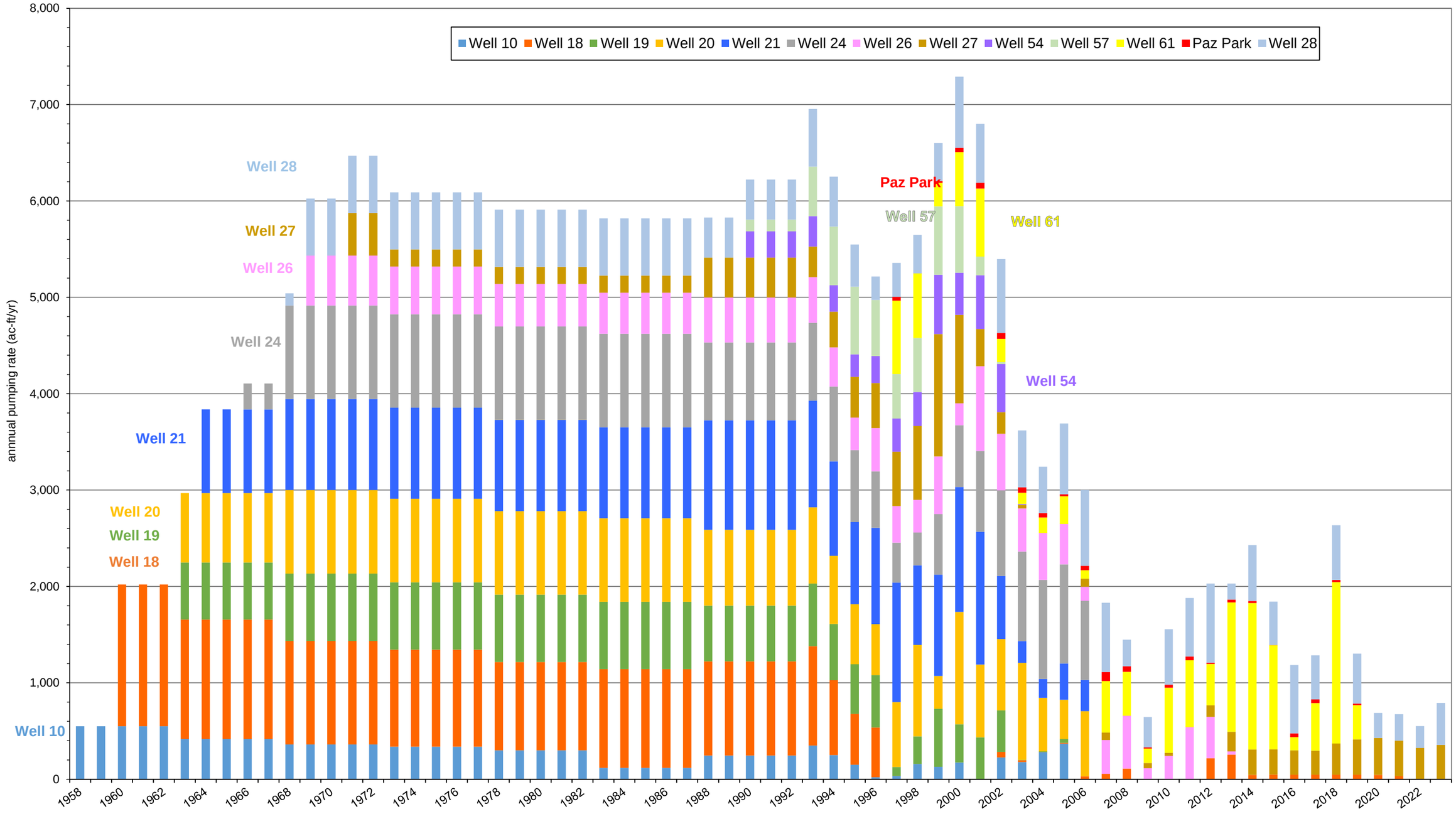


Figure 8. Bar graph of annual pumping from wells in the Griggs and Walnut site area, Las Cruces, New Mexico.

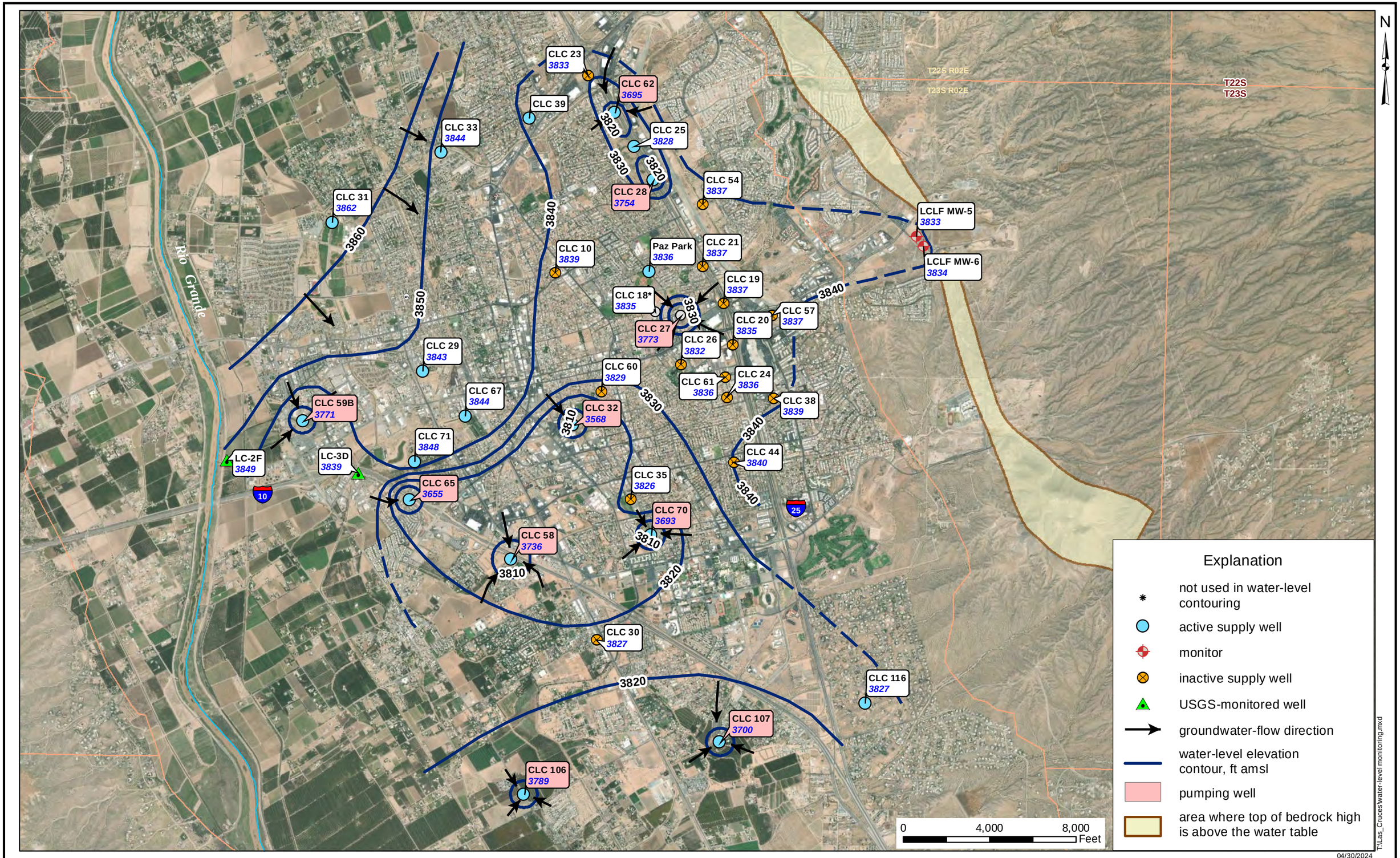


Figure 9. Aerial photograph showing November 2023 water-level elevation contours for the Valley and Interstate-25 Corridor areas in the Mesilla Basin, City of Las Cruces, New Mexico.

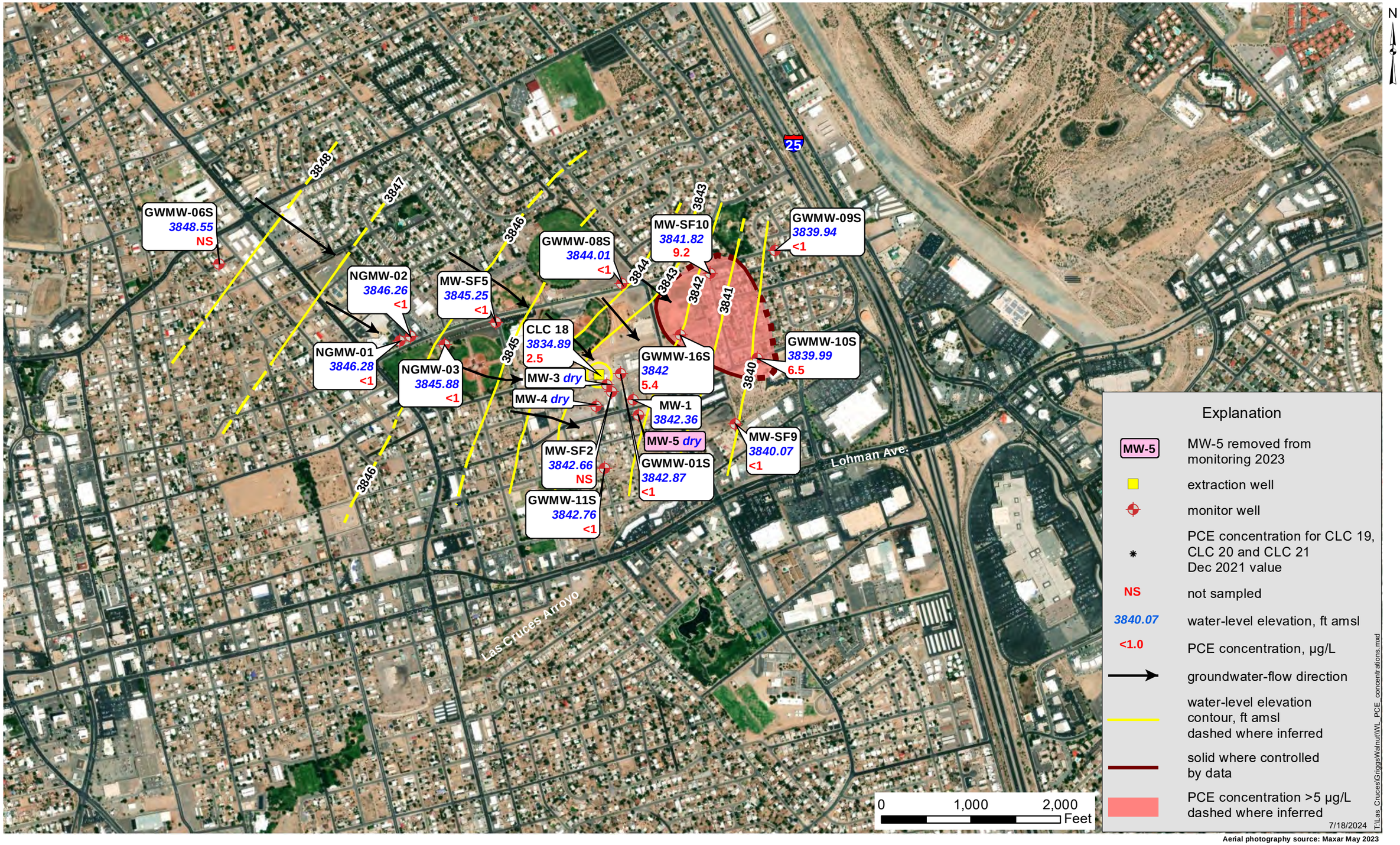


Figure 10. Aerial photograph showing November 2023 water-level elevation contours and PCE concentrations for the Shallow Hydrogeologic Zone, Griggs and Walnut Site, Las Cruces, New Mexico.

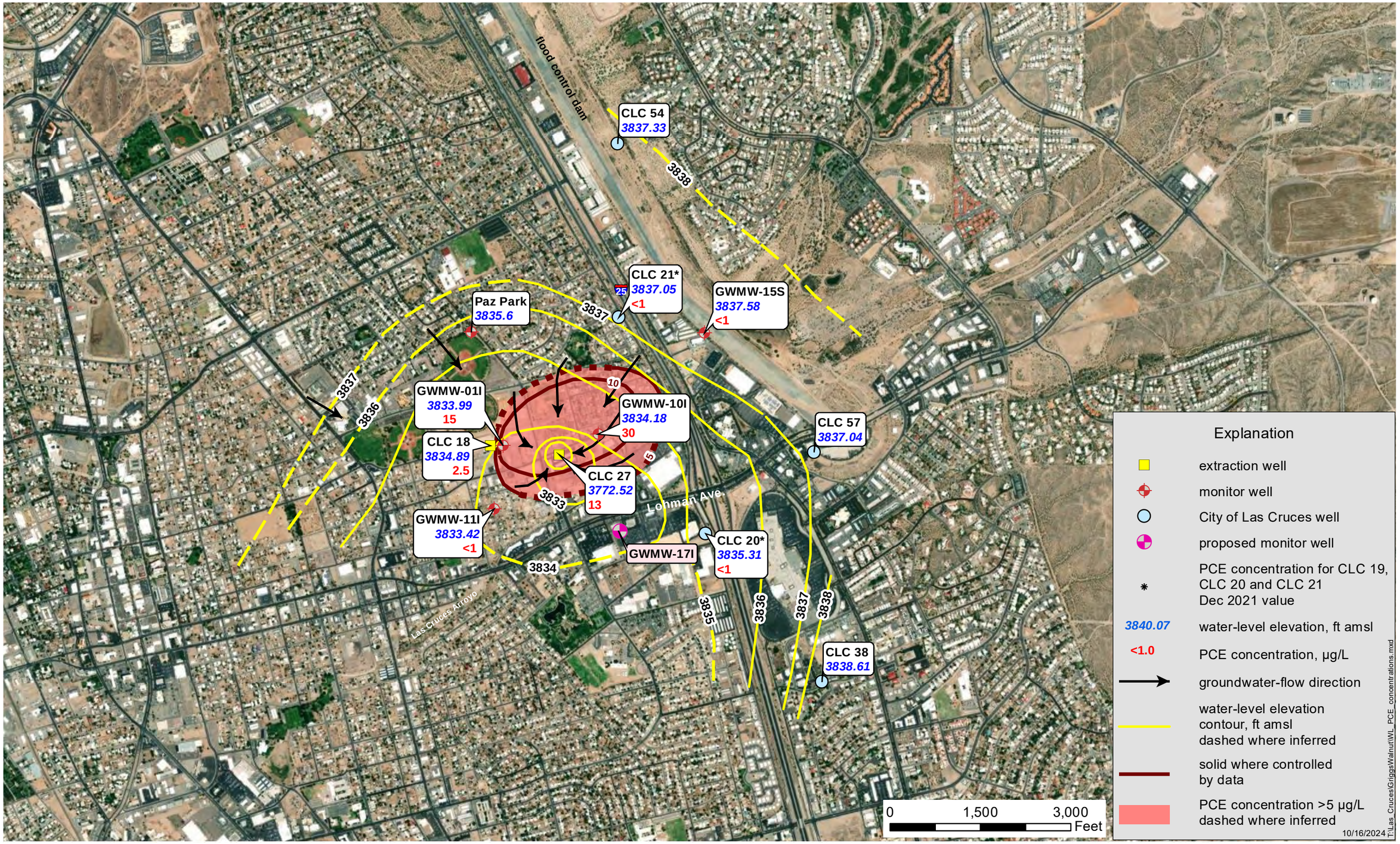


Figure 11. Aerial photograph showing November 2023 water-level elevation contours and PCE concentrations for the Intermediate Hydrogeologic Zone, Griggs and Walnut Site, Las Cruces, New Mexico.

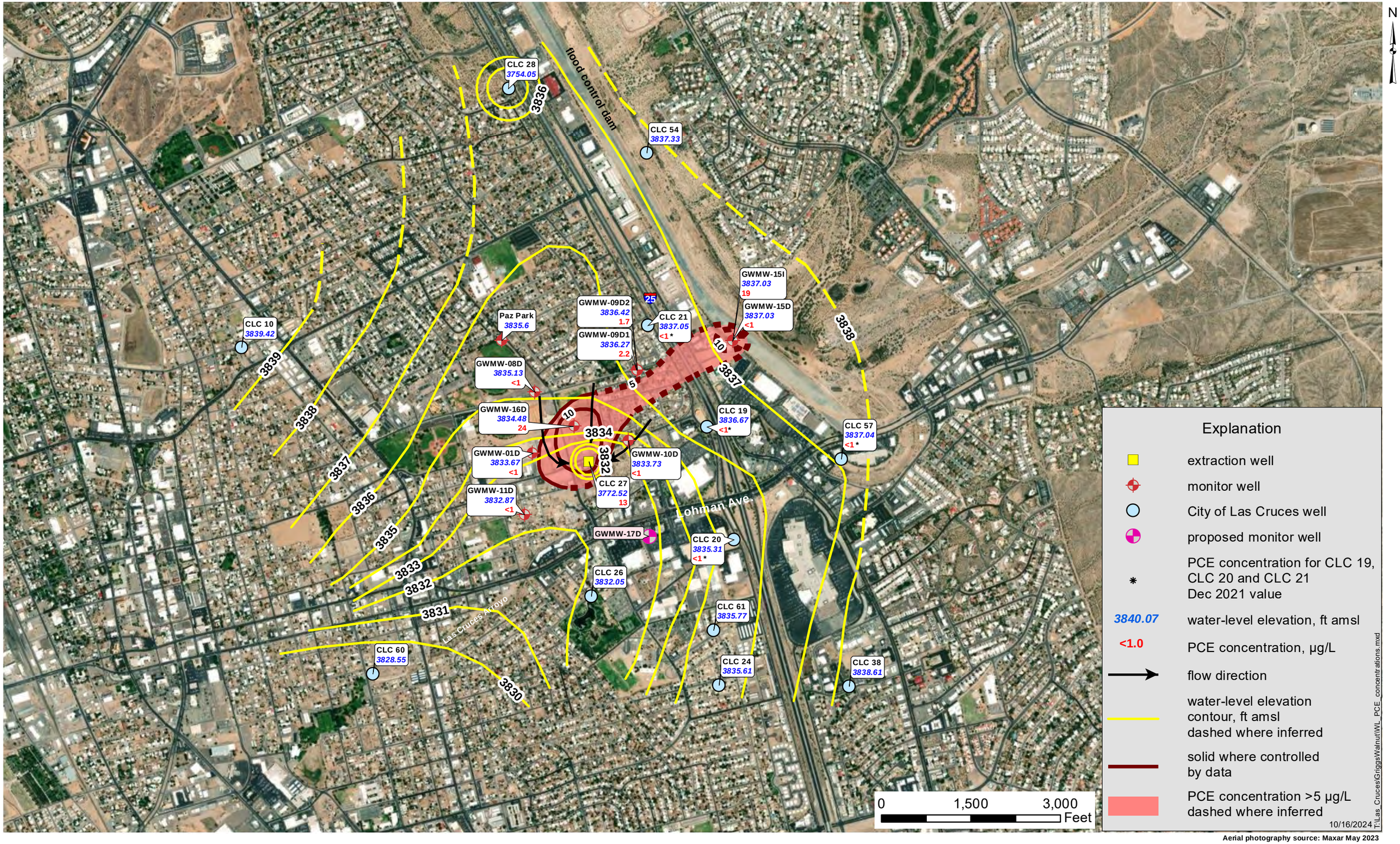


Figure 12. Aerial photograph showing November 2023 water-level elevation contours and PCE concentrations for the Deep Hydrogeologic Zone, Griggs and Walnut Site, Las Cruces, New Mexico.

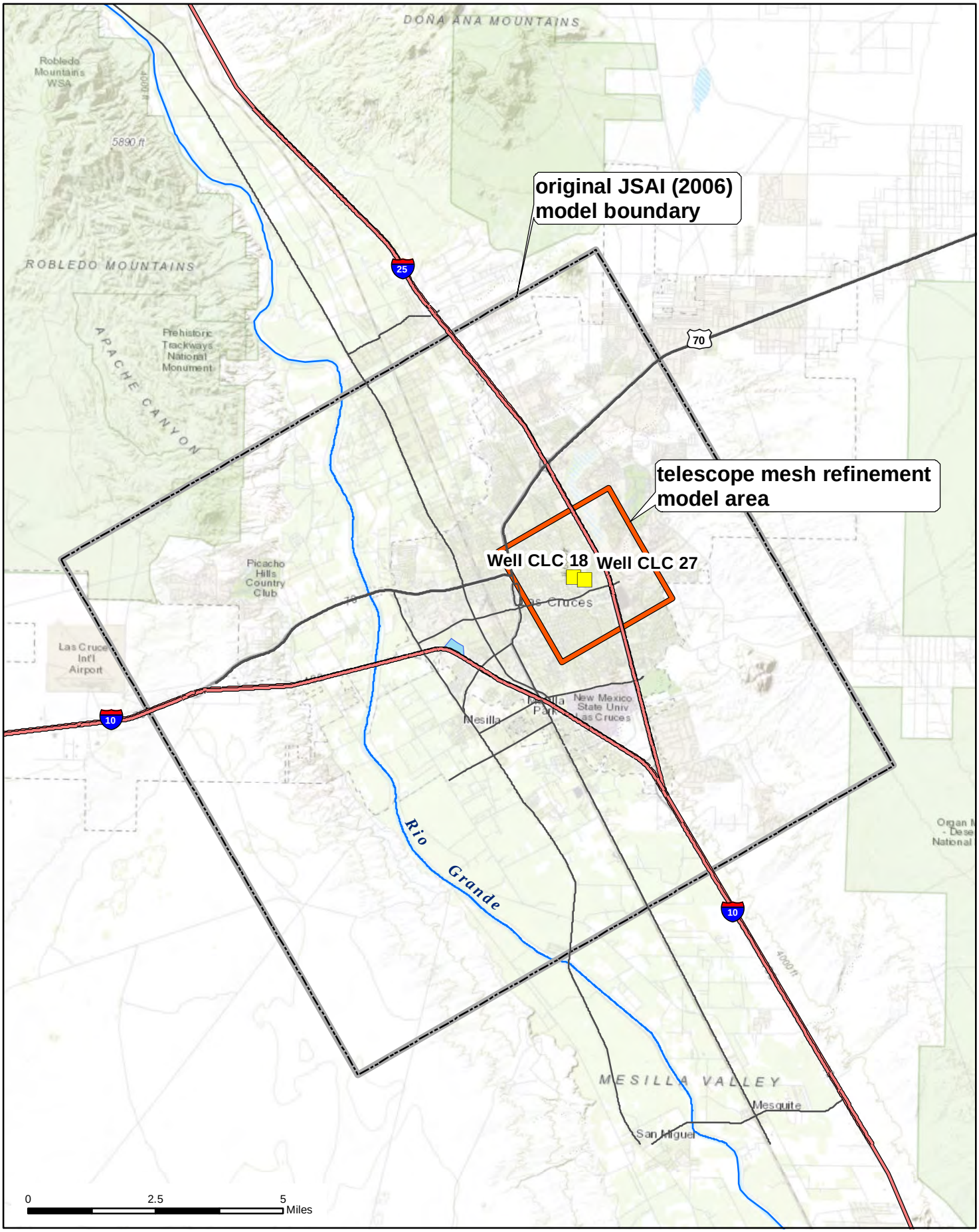


Figure 13. Topographic map showing telescope mesh refinement (TMR) groundwater-flow model grid, Griggs and Walnut Site, Las Cruces, New Mexico.

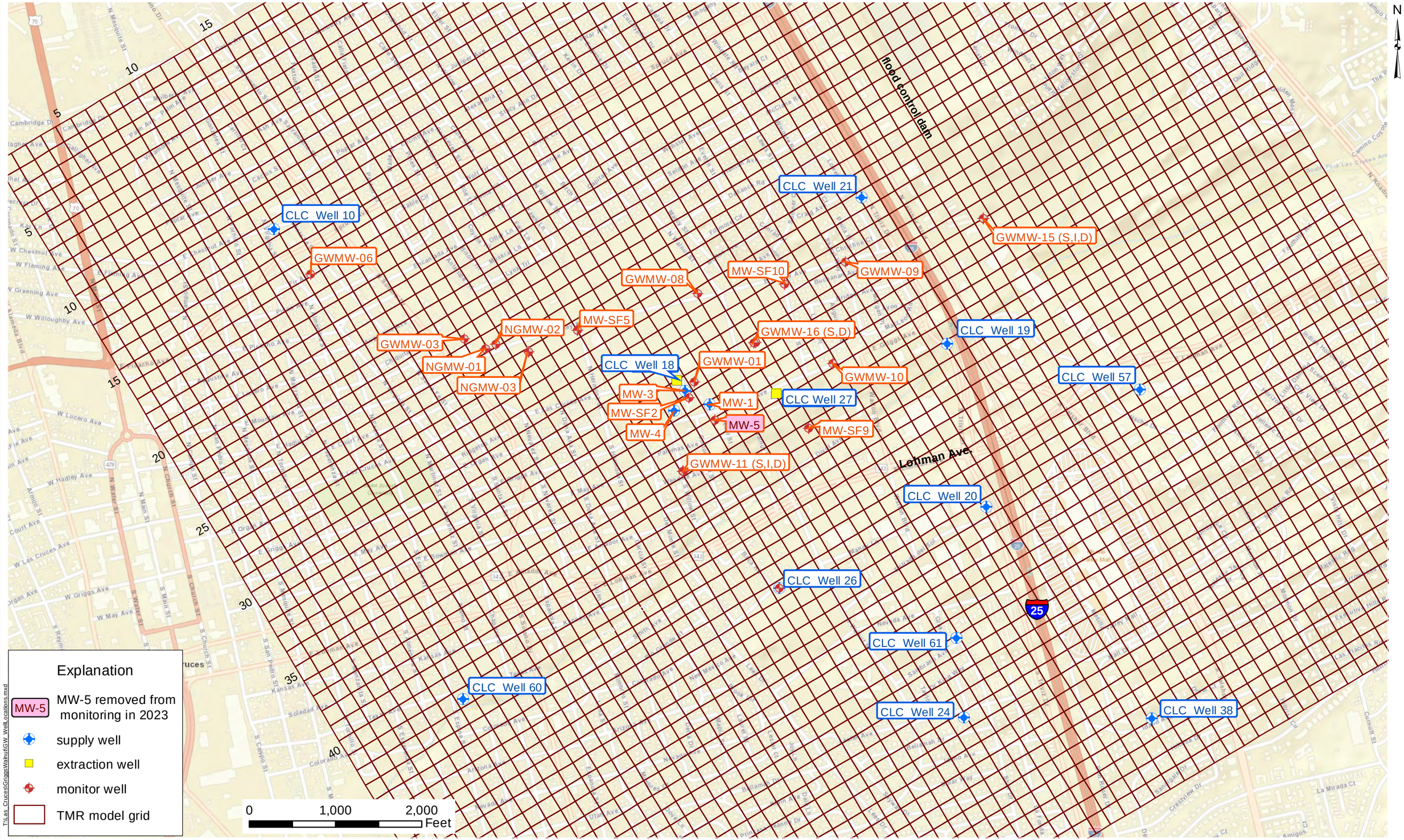
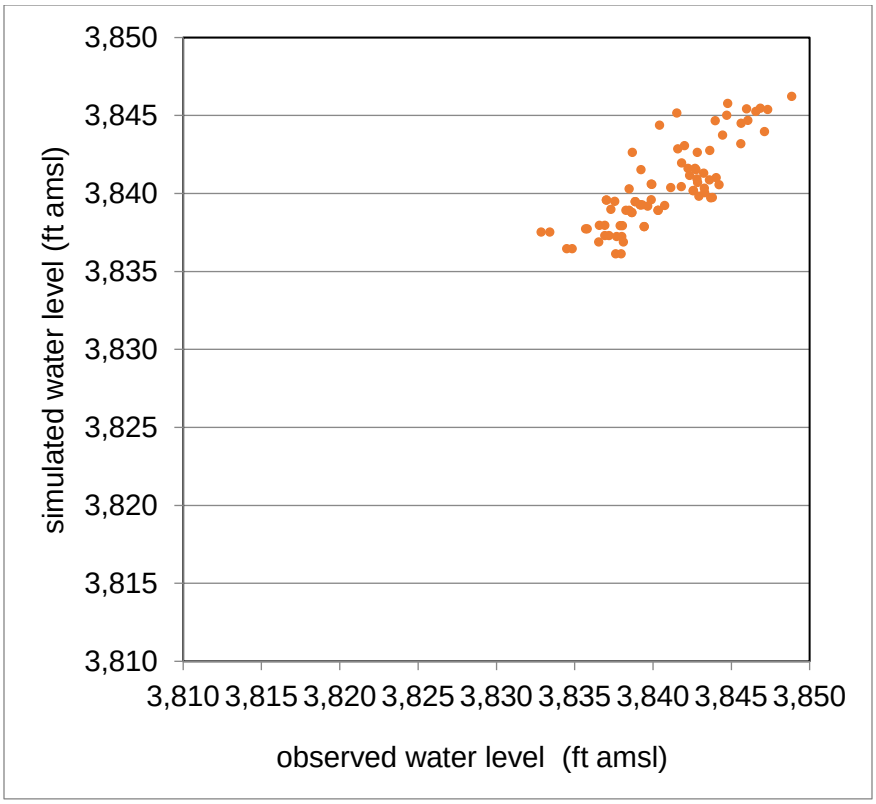


Figure 14. Map showing telescope mesh refinement (TMR) groundwater-flow model with Griggs and Walnut Site monitoring network, Las Cruces, New Mexico.



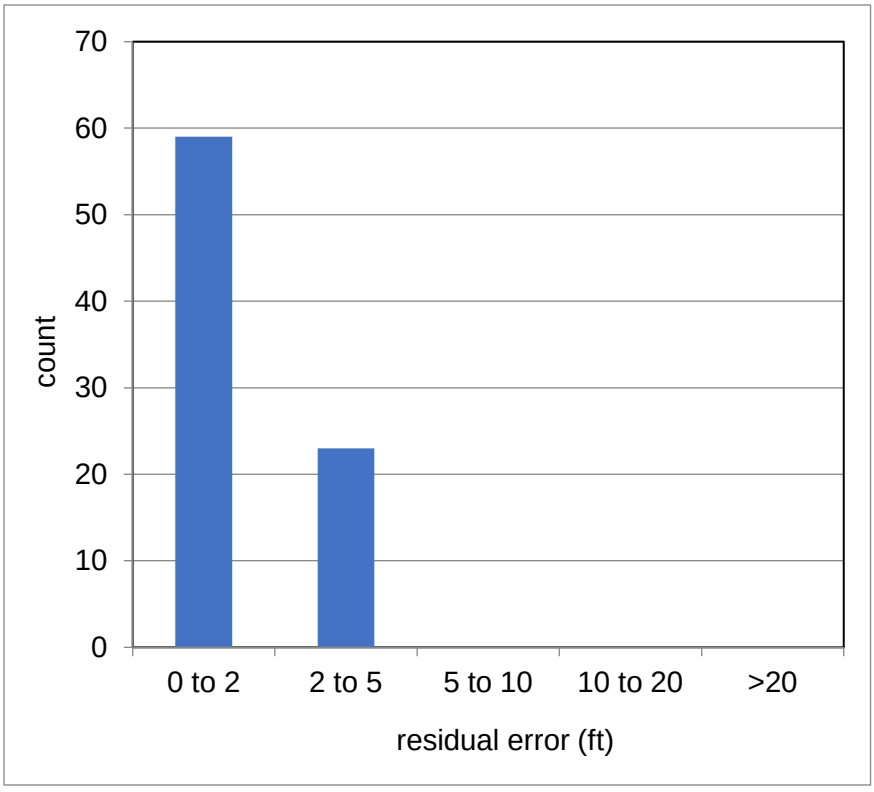


Figure 15. Bar graph showing distribution of model-calibrated residual error in heads.

APPENDICES

Appendix A.

Griggs and Walnut Site plume monitoring point survey data

Table A1. Groundwater Monitoring Wells							
Well Number	**Northing**	**Easting**	**Ground Surface Elevation (ft)**	**Sampling Tube Elevation (ft)**	**Depth: Ground Surface to Sampling Tube (in.)**	**Number of Sampling Tubes**	**Features**
01	479,017.53	1,483,311.09	4,038.00	4,036.27	-21	7	Inside manhole w/24” dia. manhole
03	479,519.93	1,480,644.34	3,976.68	3,975.81	-10	6	Inside manhole w/26” dia. manhole
08	480,044.39	1,483,353.06	4,020.26	4,019.52	-9	7	Inside manhole w/26” dia. manhole
09	480,413.04	1,485,067.28	4,051.39	4,051.14	-3	7	Inside manhole w/26” dia. manhole
10	479,228.44	1,484,920.87	4,064.84	4,064.51	-4	7	Inside manhole w/26” dia. manhole
11I	477,984.90	1,483,175.33	4,022.92	4,022.74	-2	1	Inside manhole w/12” steel casing
11S	477,984.59	1,483,175.29		4,022.72	-2	1	
11D	477,984.86	1,483,175.08		4,022.67	-3	1	
15I	480,905.12	1,486,668.80	4,081.31	4,081.06	-3	1	Inside manhole w/12” steel casing
15S	480,905.28	1,486,669.21		4,081.03	-3	1	
15D	480,905.52	1,486,668.84		4,081.03	-3	1	
16S	479,474.88	1,484,021.82	4,031.16	4,033.07	23	1	Protected by concrete bollards
16D	479,469.58	1,484,002.31	4030.85	4032.73	23	1	Protected by concrete bollards

Table A1. Groundwater Monitoring Wells						
Well Number	**Northing**	**Easting**	**Ground Surface Elevation (ft)**	**Sampling Tube Elevation (ft)**	**Depth: Ground Surface to Sampling Tube (in.)**	**Features**
01	478,753.86	1,483,492.59	4,037.75	4,037.14	-7.3	12" Steel Casing
02	478,838.36	1,483,484.65	4,038.34	4,037.50	-10.1	10" PVC Casing
03	478,918.61	1,483,204.12	4,034.70	4,034.56	-1.7	7" Steel Casing
04	478,680.95	1,483,079.97	4032.11	4,031.59	-6.2	8" Steel Casing
05	478,579.21	1,483,554.43	4,038.26	4,036.24	-24.2	3" Steel Casing
06	478,704.09	1,483,909.93	4,044.85	4,044.47	-4.5	2.5" PVC Casing/Con. Collar
SF1	478,963.50	1,483,448.56	4,038.34	4,037.15	-14.3	6" Steel Casing
SF2	478,837.25	1,483,253.30	4,035.87	4,035.71	-1.9	Missing Lid
SF3	478,740.97	1,482,894.63	4,028.16	4,027.51	-7.8	Plastic Casing
SF4	478,932.59	1,482,728.53	4,026.12	4,025.60	-6.2	
SF5	479,614.56	1,481,960.51	3,996.39	3,995.63	-9.1	7" Cover from Sampling Tube
SF6	479,654.01	1,480,848.85	3979.25	3,978.61	-7.7	
SF9	478,481.44	1,484,637.01	4,032.86	4,032.35	-6.1	12" Steel Casing
SF10	480,156.45	1,484,357.61	4,038.96	4,038.66	-3.6	12 Steel Casing

Table A1. Groundwater Monitoring Wells				
Well Number	**Northing**	**Easting**	**Concrete Floor at Well (ft)**	**Features**
CLC PAZ	480,910.66	1,482,797.07	4,012.60	-
Well 10	480,788.00	1,478,435.00	3,938.42	12-in tall pedestal
Well 18	479,033.01	1,483,114.82	4,037.59	24-in tall pedestal
Well 19	479,464.64	1,486,241.12	4,063.52	15-in tall pedestal
Well 20	477,570.53	1,486,690.77	4,073.34	14-in tall pedestal
Well 21	481,161.95	1,485,245.75	4,075.25	-
Well24	475,131.30	1,486,440.09	4,041.01	-
Well 26	476,624.54	1,484,299.63	4,013.15	12-in tall pedestal
Well 27	478,884.10	1,484,258.63	4,055.62	18-in tall pedestal
Well 28	486,674.38	1,482,030.76	4,061.65	12-in tall pedestal
Well 38	475,113.92	1,488,619.25	4,101.89	17-in tall pedestal
Well 54	484,049.79	1,485,225.99	4,109.4	22-in tall pedestal
Well 57	478,920.91	1,488,486.58	4,129.72	29-in tall pedestal
Well 60	475,323.34	1,480,636.27	3,940.18	26-in tall pedestal
Well 61	476,052.51	1,486,352.59	4,040.12	15-in tall pedestal

Atkins
ENGINEERING ASSOCIATES INC.

2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

03/29/2021

Kelly Jayne, CFM, P.E.
Daniel B. Stephens & Associates, Inc.
13949 West Colfax Avenue, Suite 220
Lakewood, CO 80401

Emailed to: kjayne@geo-logic.com on date of letter.

RE: Griggs-Walnut Ground Water Plume Site

Atkins Engineering Associates, Inc. (AEA) has completed the Monitor Well survey at the Griggs-Walnut Ground Water Plume Site, Las Cruces, NM 88001. The table on the following page summarizes the coordinate and elevation data for the Monitor Well locations and elevations, top-of-casing (TOC) north side and center top of well vault, located at the Griggs-Walnut Ground Water Plume Site.

Horizontal coordinates are in US Survey Feet NAD 83 (2011) (EPOCH:2010.0000) New Mexico State Plane Central Grid Coordinates and New Mexico State Plane Central Grid Coordinates scaled to ground. The combined scale factor used is 1.002620486515057215.

Orthometric Heights for Monitor Well Locations were established by GPS observations referenced to previously used benchmark with a PID of "CX1966". A TBM "WAL" was set in a more centrally located area to be used in future as a check in location and is a set 3" aluminum cap and is referenced to the NGS published Benchmark set by the City of Las Cruces and designated "GPS 14" with a PID of "CX1966" and a published Orthometric Elevation of 4001 feet (NAVD88). For the purposes of this survey the Orthometric Elevation of "CX1966" was referenced as 4000.6 based on earlier monitor well survey data provided. This was honored in order to tie the newer data set to existing data set.

Attached to this email is a .xlsx spreadsheet of the table above.

If you have any questions, please contact me at (575) 624-2420 or ryan@atkinseng.com

Ryan C. Cortez, PS 22761

3/29/2021
Date (Signed)



Description	State Plane Central Grid		State Plane Central Grid		TOC Elevation (USft)	Vault Top Elevation (USft)
	Northing (USft)	Easting (USft)	Latitude (DD)	Longitude (DD)		
GWMW-01-S	479037.04	1483354.28	32.31593331	-106.75842520	4038.69	4039.85
GWMW-01-I	479031.28	1483330.09	32.31591716	-106.75850341	4038.96	4039.75
GWMW-01-D	479017.94	1483311.09	32.31588025	-106.75856471	4038.29	4038.56
GWMW-6-S	480268.97	1478869.86	32.31926030	-106.77296062	3946.78	3947.54
GWMW-8-S	480048.70	1483371.14	32.31871437	-106.75838615	4020.09	4020.46
GWMW-8-D	480044.88	1483351.73	32.31870361	-106.75844893	4019.85	4020.17
GWMW-9-S	480421.60	1485085.00	32.31976161	-106.75284391	4051.10	4051.65
GWMW-9-D1	480413.76	1485054.43	32.31973967	-106.75294275	4050.79	4051.34
GWMW-9-D2	480413.19	1485068.27	32.31973828	-106.75289794	4051.11	4051.36
GWMW-10-S	479213.78	1484883.41	32.31643898	-106.75347812	4063.84	4064.47
GWMW-10-I	479221.57	1484902.26	32.31646063	-106.75341722	4063.95	4064.70
GWMW-10-D	479228.62	1484920.89	32.31648025	-106.75335702	4064.60	4064.84
CX1966	482269.20	1482127.94	32.32480175	-106.76244487	4000.60	--
CX1963	475662.54	1487719.61	32.30671365	-106.74424432	4093.60	--
TBM "WAL"	479683.91	1483699.55	32.31771592	-106.75731748	4027.14	--

Description	State Plane Central Ground		State Plane Central Ground		TOC Elevation (USft)	Vault Top Elevation (USft)
	Northing (USft)	Easting (USft)	Latitude (DD)	Longitude (DD)		
GWMW-01-S	479036.97	1483354.12	32.31593312	-106.75842571	4038.69	4039.85
GWMW-01-I	479031.21	1483329.93	32.31591696	-106.75850394	4038.96	4039.75
GWMW-01-D	479017.86	1483310.91	32.31588004	-106.75856528	4038.29	4038.56
GWMW-6-S	480269.22	1478868.52	32.31926098	-106.77296495	3946.78	3947.54
GWMW-8-S	480048.89	1483370.98	32.31871489	-106.75838667	4020.09	4020.46
GWMW-8-D	480045.08	1483351.57	32.31870415	-106.75844945	4019.85	4020.17
GWMW-9-S	480421.90	1485085.29	32.31976243	-106.75284299	4051.10	4051.65
GWMW-9-D1	480414.05	1485054.72	32.31974048	-106.75294183	4050.79	4051.34
GWMW-9-D2	480413.48	1485068.56	32.31973909	-106.75289701	4051.11	4051.36
GWMW-10-S	479213.75	1484883.65	32.31643891	-106.75347734	4063.84	4064.47
GWMW-10-I	479221.55	1484902.50	32.31646057	-106.75341643	4063.95	4064.70
GWMW-10-D	479228.60	1484921.13	32.31648020	-106.75335623	4064.60	4064.84
CX1966	482269.98	1482127.46	32.32480390	-106.76244643	4000.60	--
CX1963	475661.69	1487720.49	32.30671133	-106.74424146	4093.60	--
TBM "WAL"	479684.01	1483699.48	32.31771620	-106.75731771	4027.14	--



FID	Descriptio	Northing	Easting	TOC_Elevat	Vault_Elev	Latitude	Longitude
0	GWMW-01-S	479036.9715	1483354.122	4038.69	4039.85	32.31593312	-106.7584257
1	GWMW-01-I	479031.2063	1483329.926	4038.96	4039.75	32.31591696	-106.7585039
2	GWMW-01-D	479017.8643	1483310.913	4038.29	4038.56	32.31588004	-106.7585653
3	GWMW-6-S	480269.2216	1478868.524	3946.78	3947.54	32.31926098	-106.7729649
4	GWMW-8-S	480048.8924	1483370.982	4020.09	4020.46	32.31871489	-106.7583867
5	GWMW-8-D	480045.0755	1483351.571	4019.85	4020.17	32.31870415	-106.7584494
6	GWMW-9-S	480421.897	1485085.288	4051.1	4051.65	32.31976243	-106.752843
7	GWMW-9-D1	480414.0543	1485054.717	4050.79	4051.34	32.31974048	-106.7529418
8	GWMW-9-D2	480413.484	1485068.561	4051.11	4051.36	32.31973909	-106.752897
9	GWMW-10-S	479213.7535	1484883.651	4063.84	4064.47	32.31643891	-106.7534773
10	GWMW-10-I	479221.5456	1484902.503	4063.95	4064.7	32.31646057	-106.7534164
11	GWMW-10-D	479228.5983	1484921.134	4064.6	4064.84	32.3164802	-106.7533562
12	CX1966	482269.9828	1482127.459	4000.6	0	32.3248039	-106.7624464
13	CX1963	475661.6926	1487720.49	4093.6	0	32.30671133	-106.7442415
14	TBMWAL	479684.0133	1483699.479	4027.14	0	32.3177162	-106.7573177

Appendix B.

Hydrographs for Griggs and Walnut Site plume monitoring network wells and selected City of Las Cruces wells

Appendix B.

Figure B1. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 18.

Figure B2. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 27.

Figure B3. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 61.

Figure B4. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Paz Park Well.

Figure B5. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 26.

Figure B6. Graph of water-level data collected by the City of Las Cruces for Well 21, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 26, 61, and Paz Park).

Figure B7. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 19, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

Figure B8. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 20, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

Figure B9. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 21, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

Figure B10. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 24, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

Figure B11. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 28.

Figure B12. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 38, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

Figure B13. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 54, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

Figure B14. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 57, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

Figure B15. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 60, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

Figure B16. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 61.

Figure B17. Graph of GWMW-01 (Ports 1 through 7 and inside liner) observed water levels, Griggs and Walnut site.

Figure B18. Graph of GWMW-03 (Ports 1 through 6 and inside liner) observed water levels, Griggs and Walnut site.

Figure B19. Graph of GWMW-08 (Ports 1 through 7 and inside liner) observed water levels, Griggs and Walnut site.

Figure B20. Graph of GWMW-09 (Ports 1 through 7 and inside liner) observed water levels, Griggs and Walnut site.

Figure B21. Graph of GWMW-10 (Ports 1 through 7 and inside liner) observed water levels, Griggs and Walnut site.

Figure B22. Graph of GWMW-11 (S, I, D) (shallow, intermediate, and deep) observed water levels, Griggs and Walnut site.

Figure B23. Graph of GWMW-15 (S, I, D) (shallow, intermediate, and deep) observed water levels, Griggs and Walnut site.

Figure B24. Graph of GWMW-16 (S, D) (shallow and deep) observed water levels, Griggs and Walnut site.

Figure B25. Graph of MW-1 through MW-5 observed water levels, Griggs and Walnut site.

Figure B26. Graph of observed water levels for selected MW-SF series monitor wells, Griggs and Walnut site.

Figure B27. Graph of Griggs and Walnut site GWMW-16(S,D) transducer-measured water-level elevations, City of Las Cruces, New Mexico.

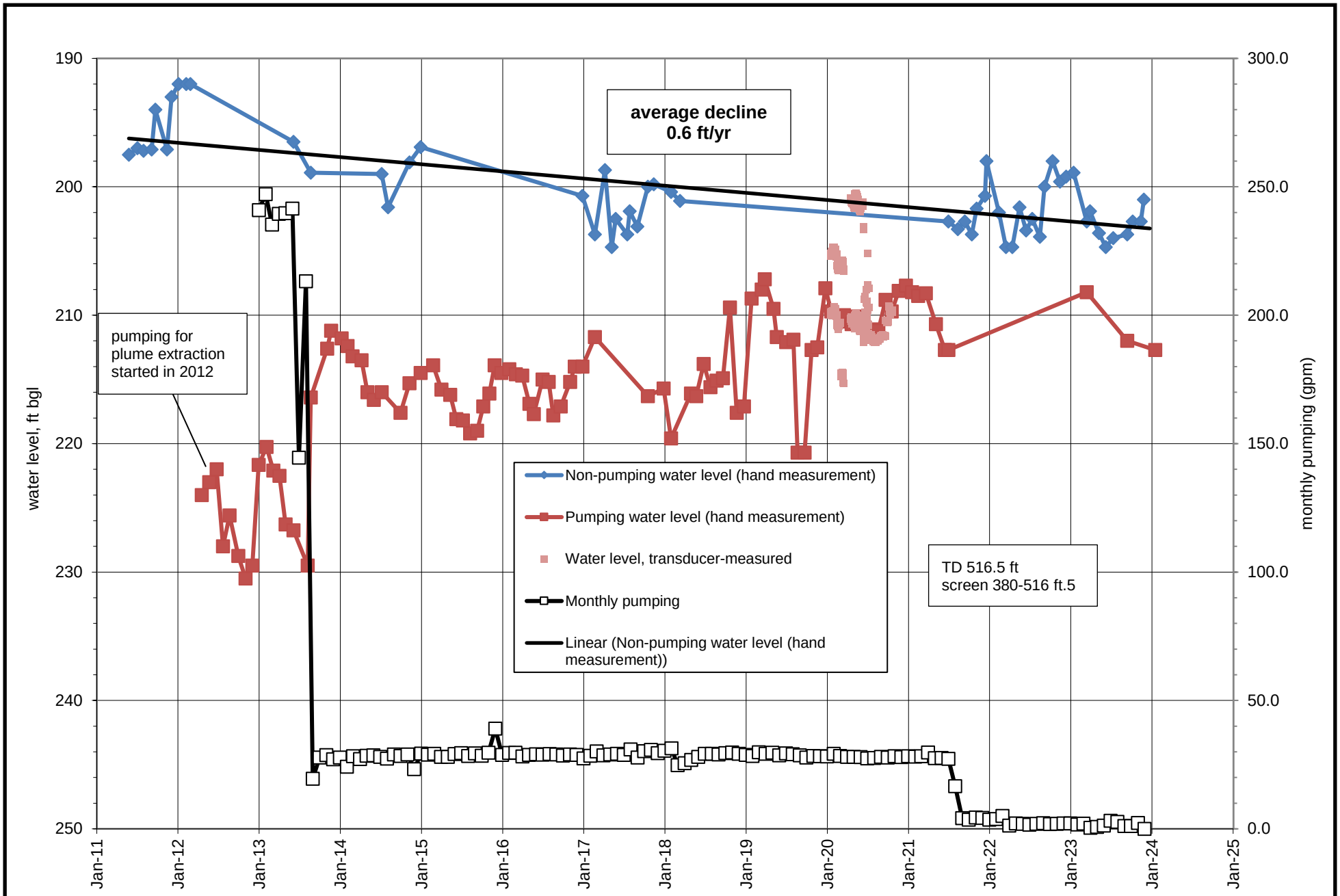


Figure B1. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 18.

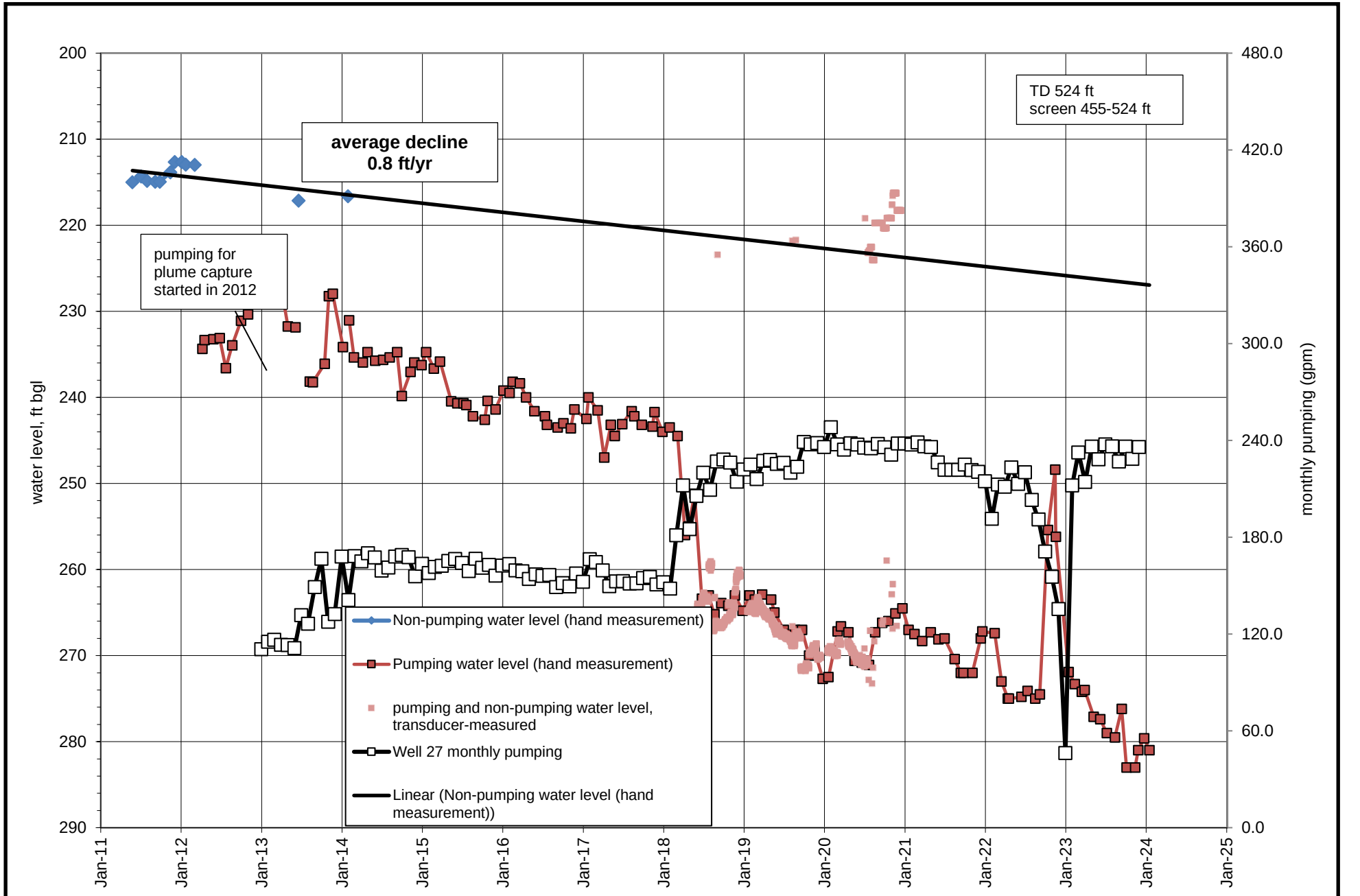


Figure B2. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 27.

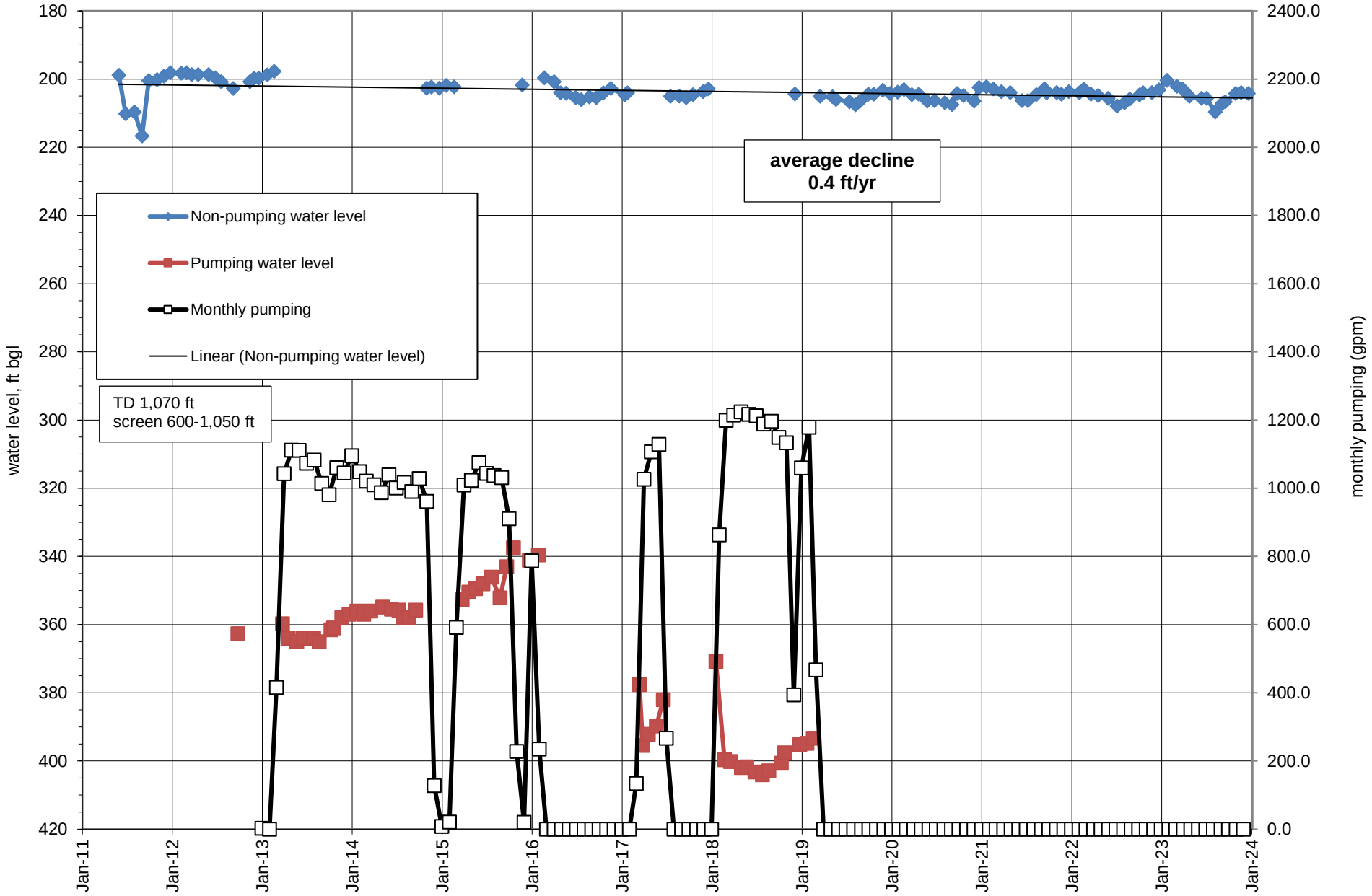


Figure B3. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 61.

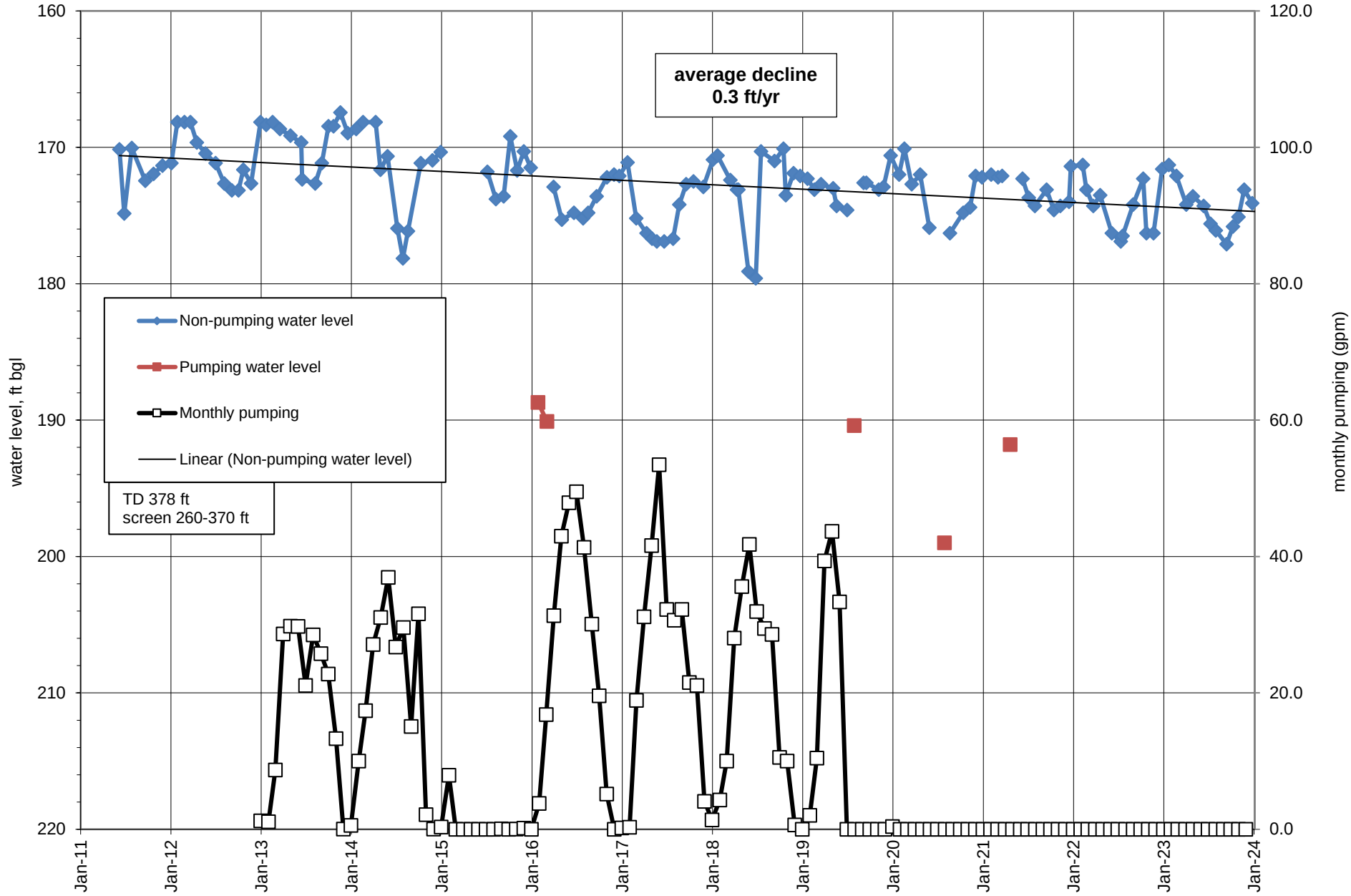


Figure B4. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Paz Park Well.

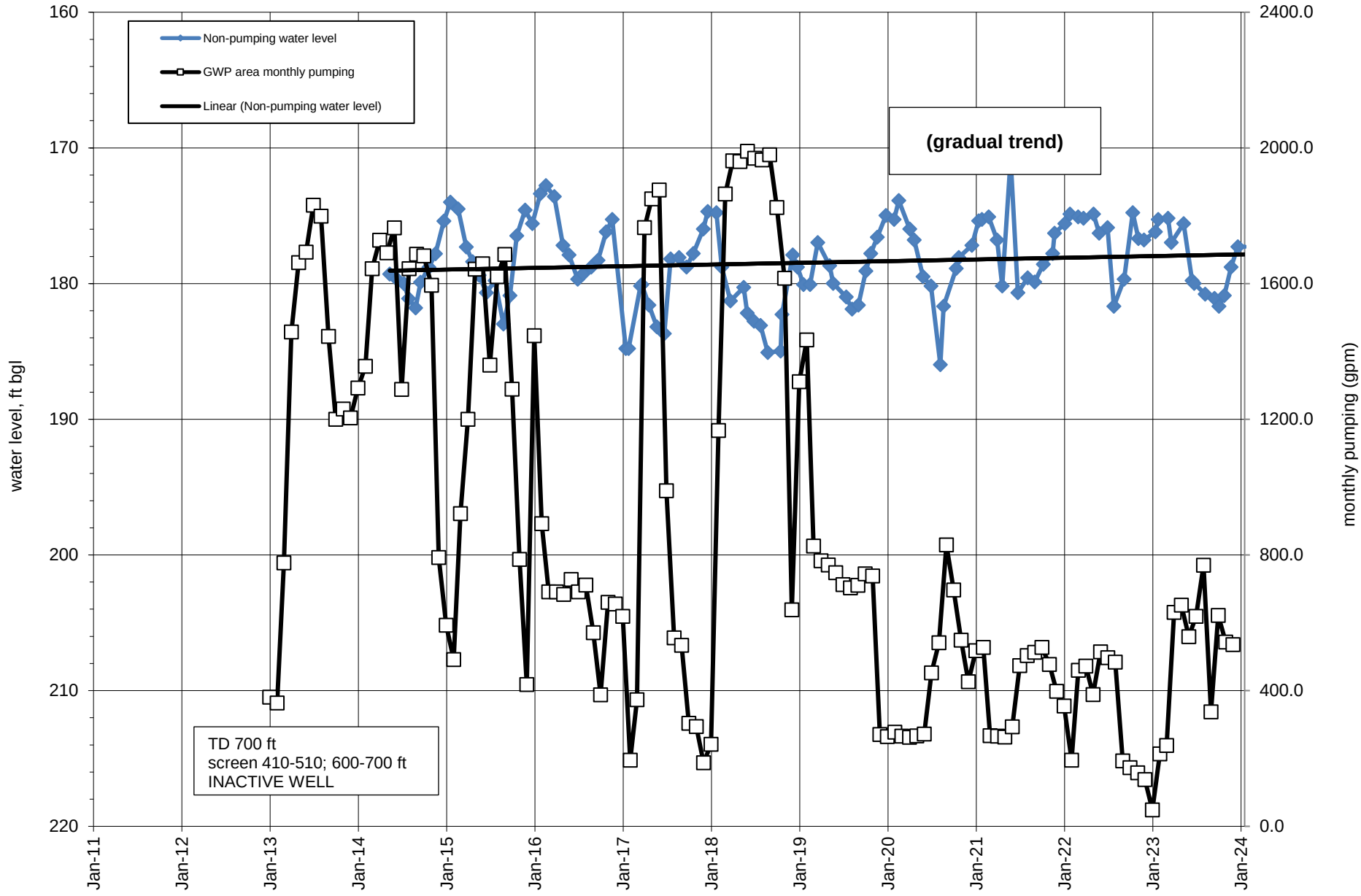


Figure B5. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 26.

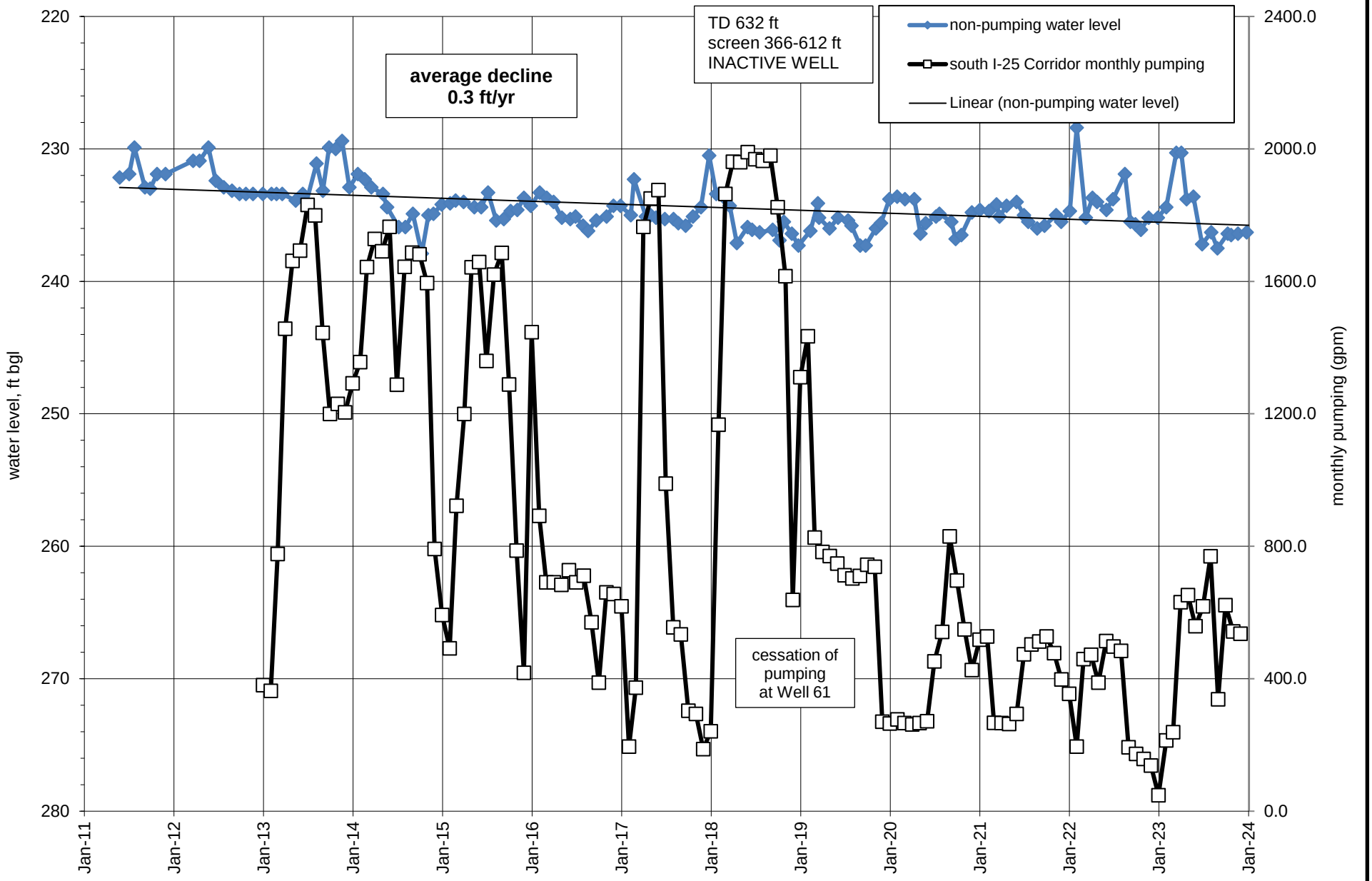


Figure B6. Graph of water-level data collected by the City of Las Cruces for Well 21, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

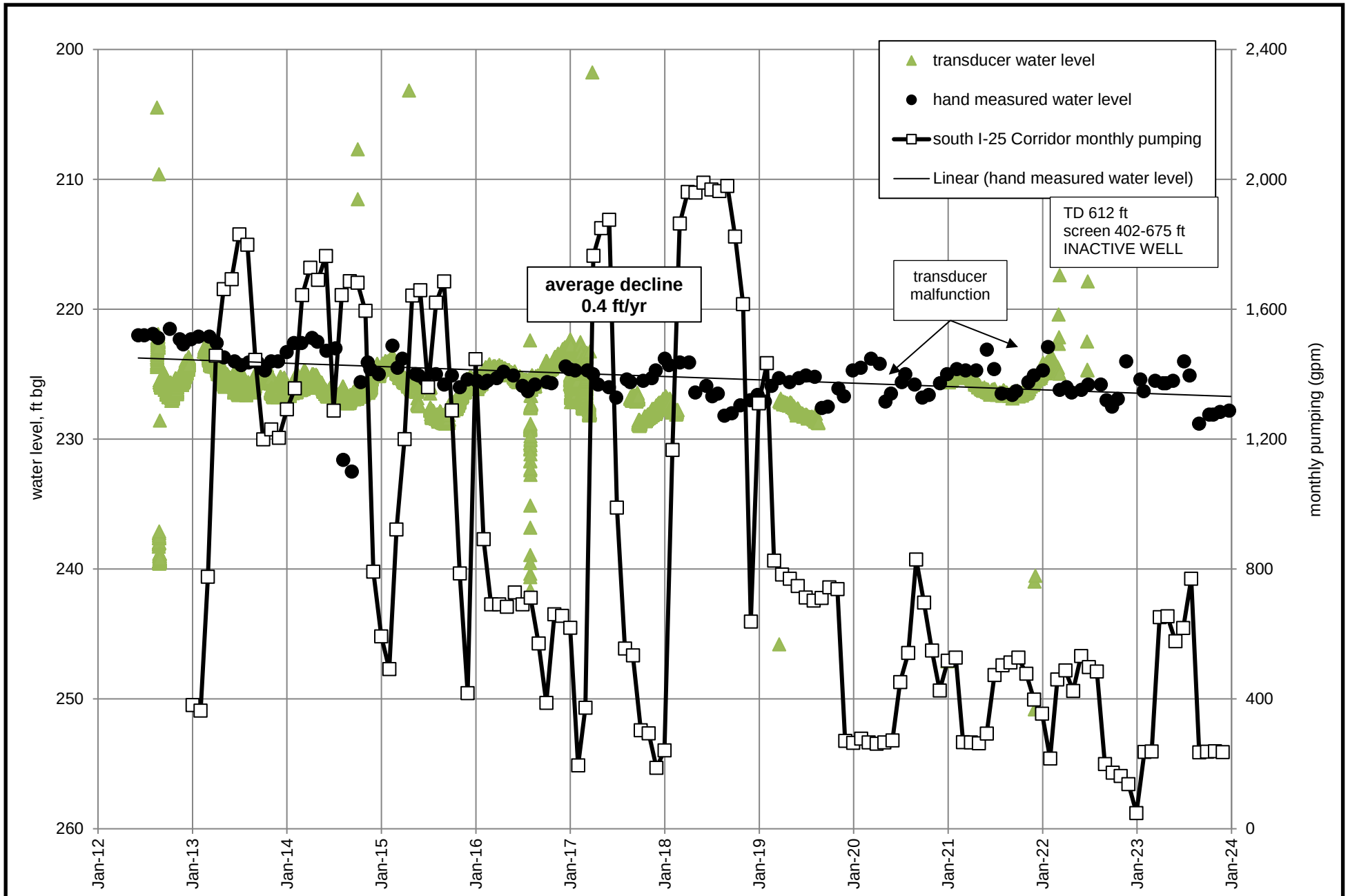


Figure B7. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 19, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

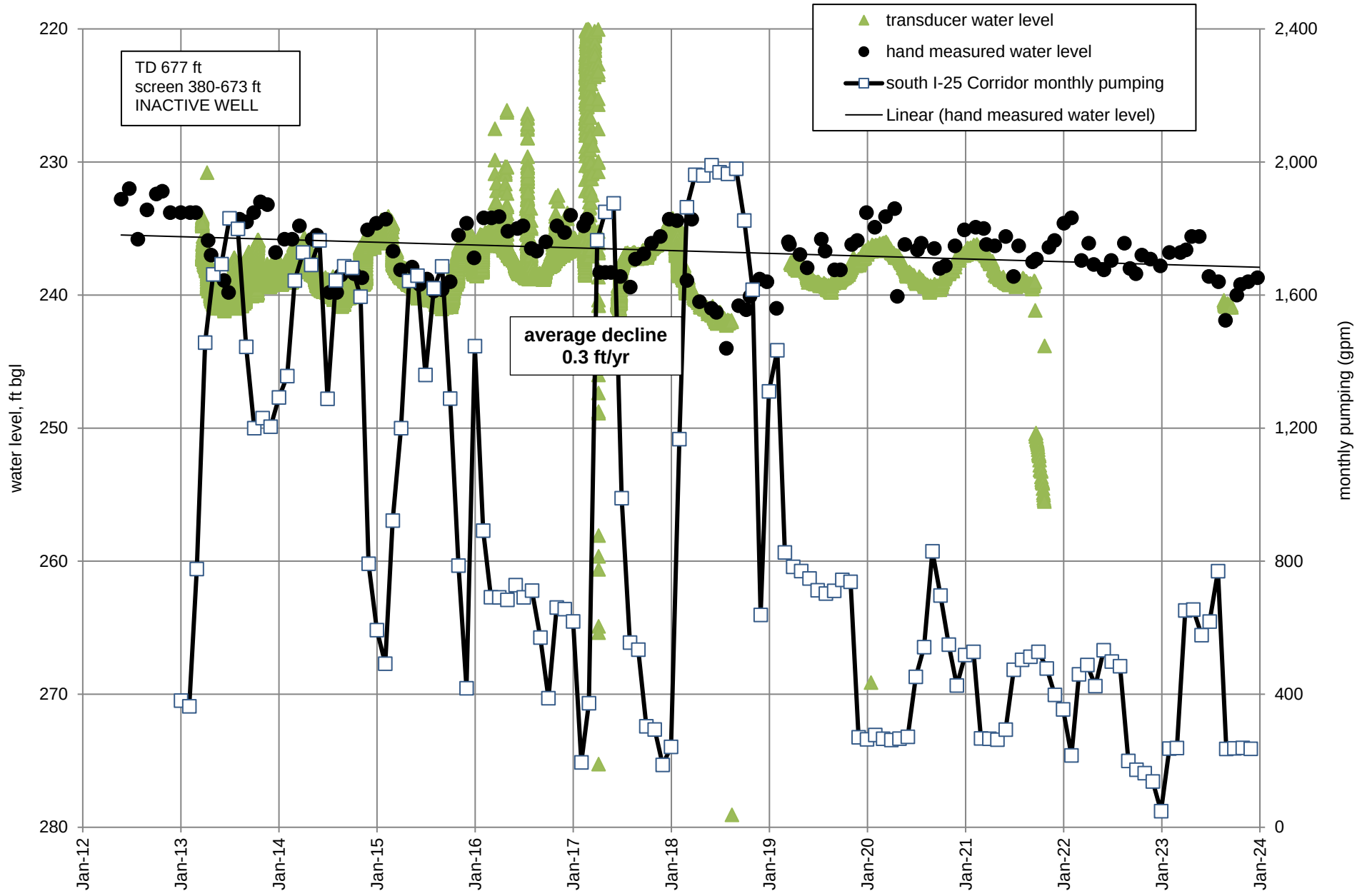


Figure B8. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 20, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

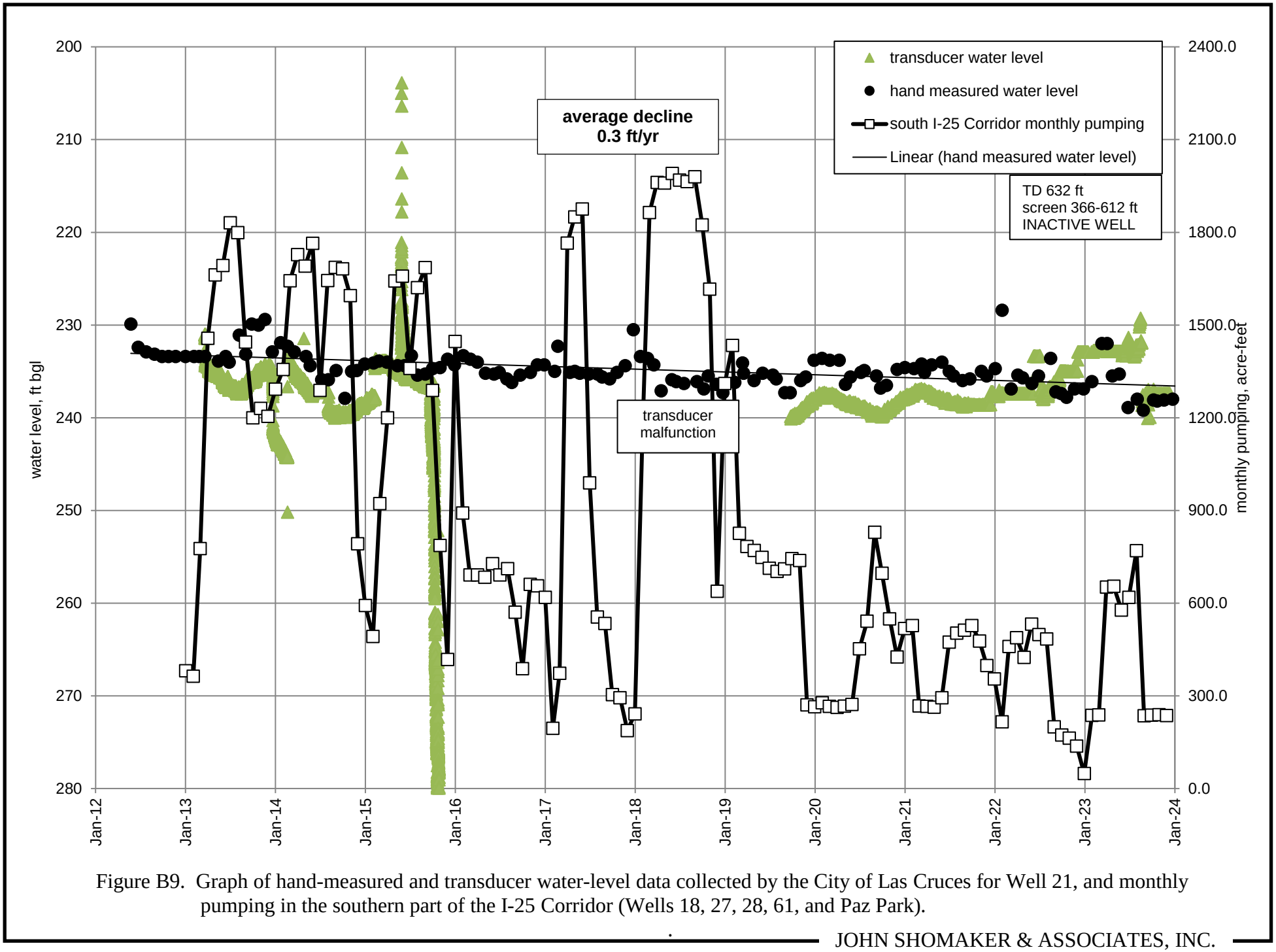


Figure B9. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 21, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

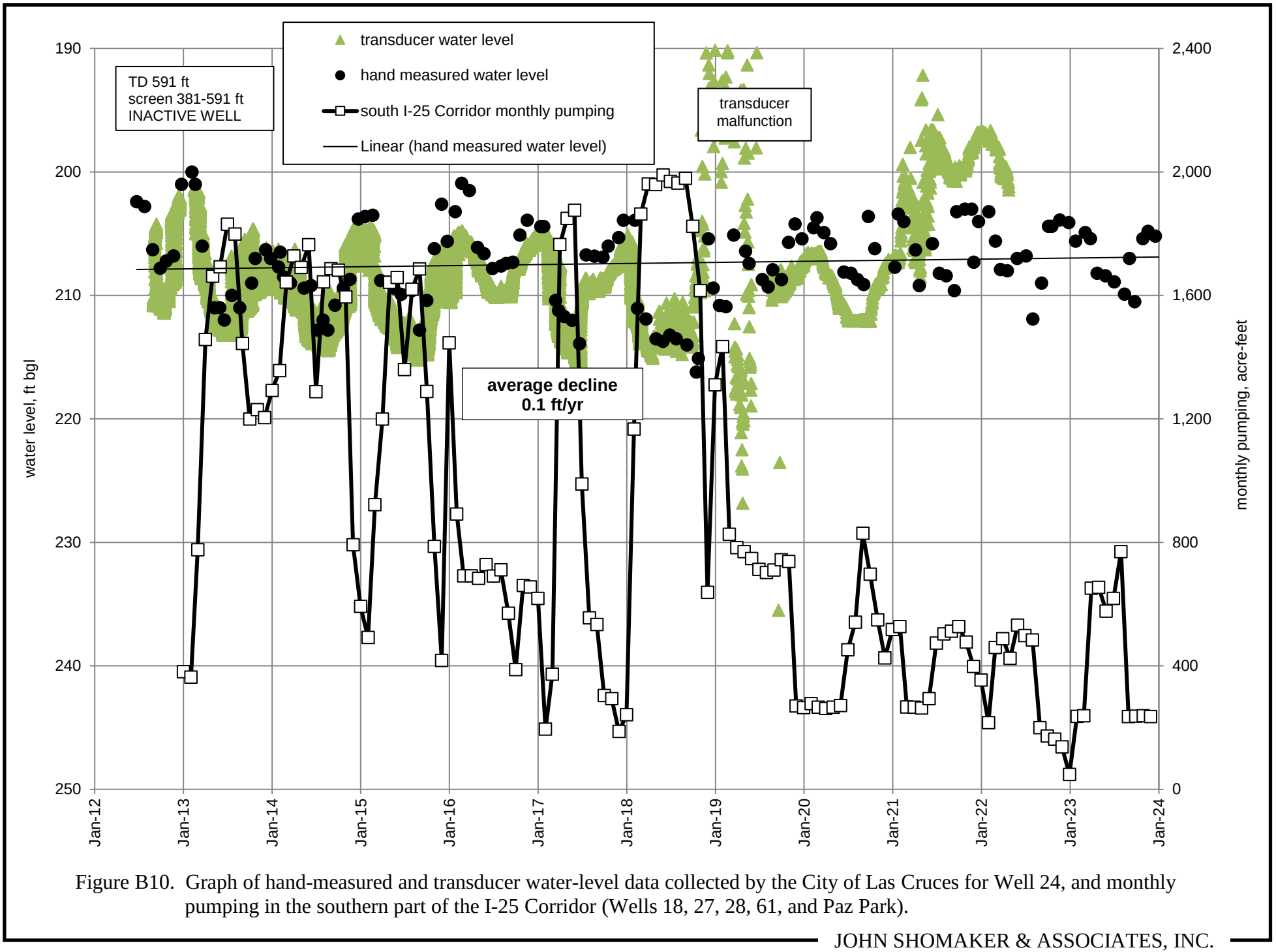


Figure B10. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 24, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

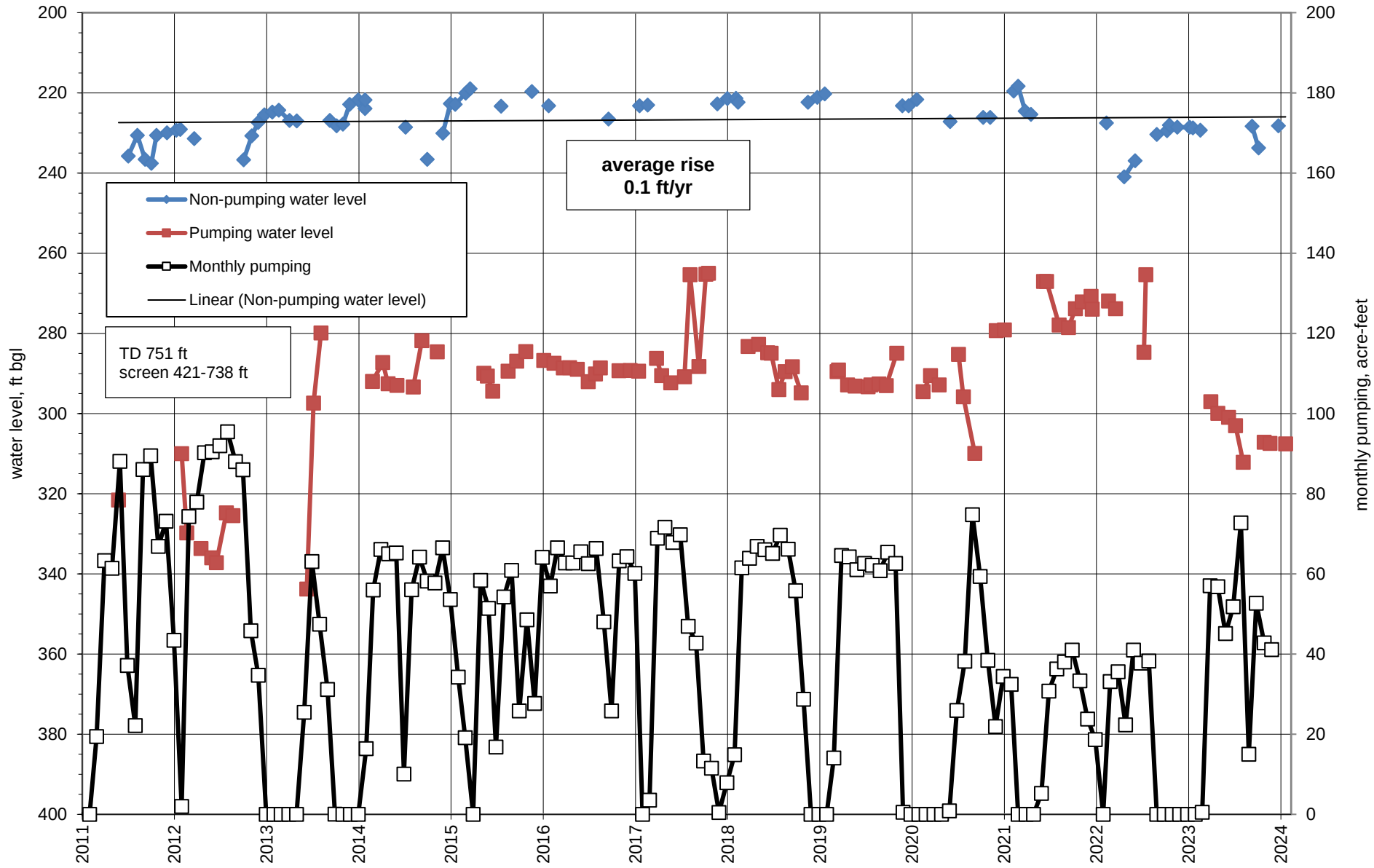


Figure B11. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 28.

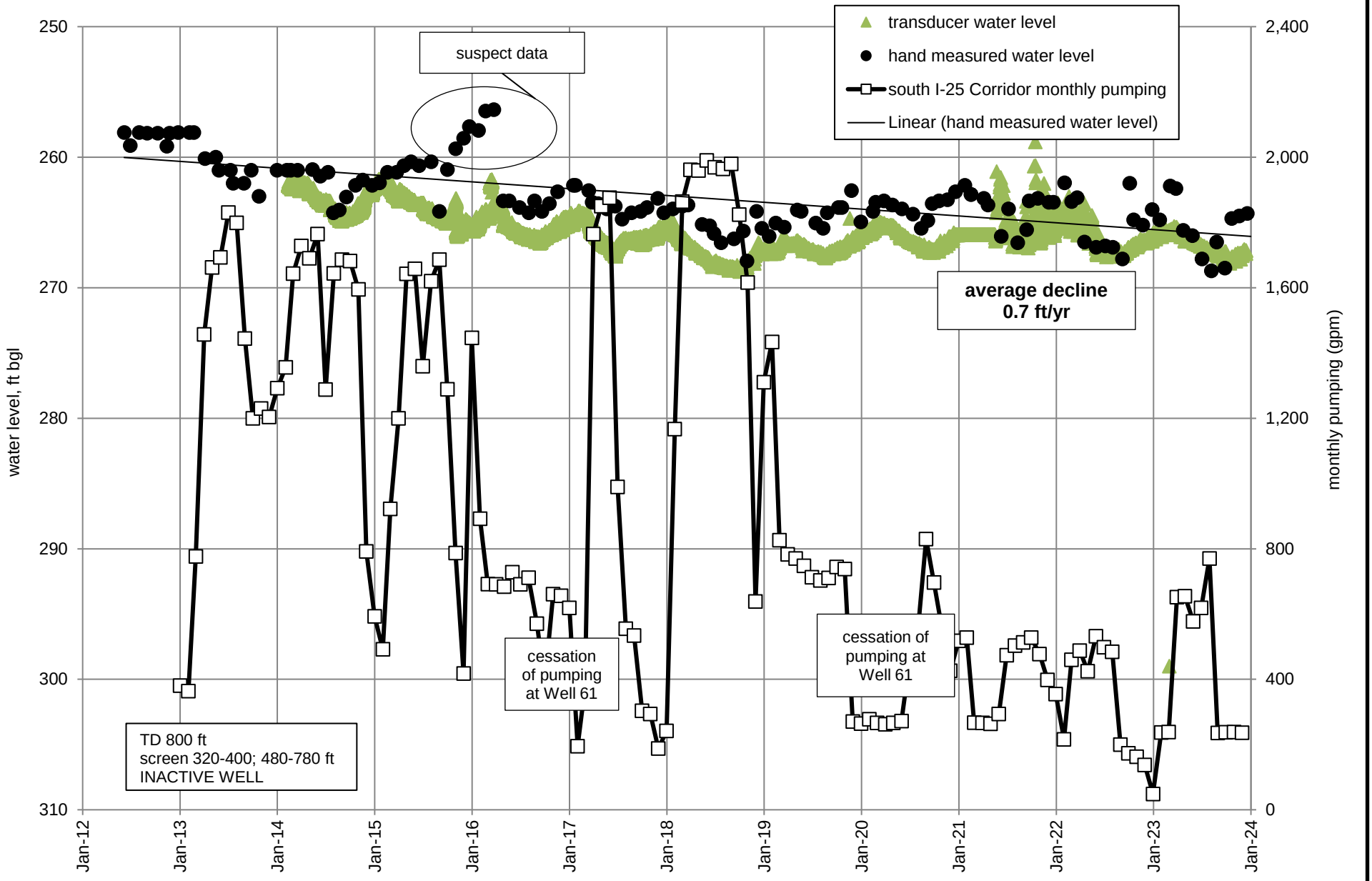


Figure B12. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 38, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

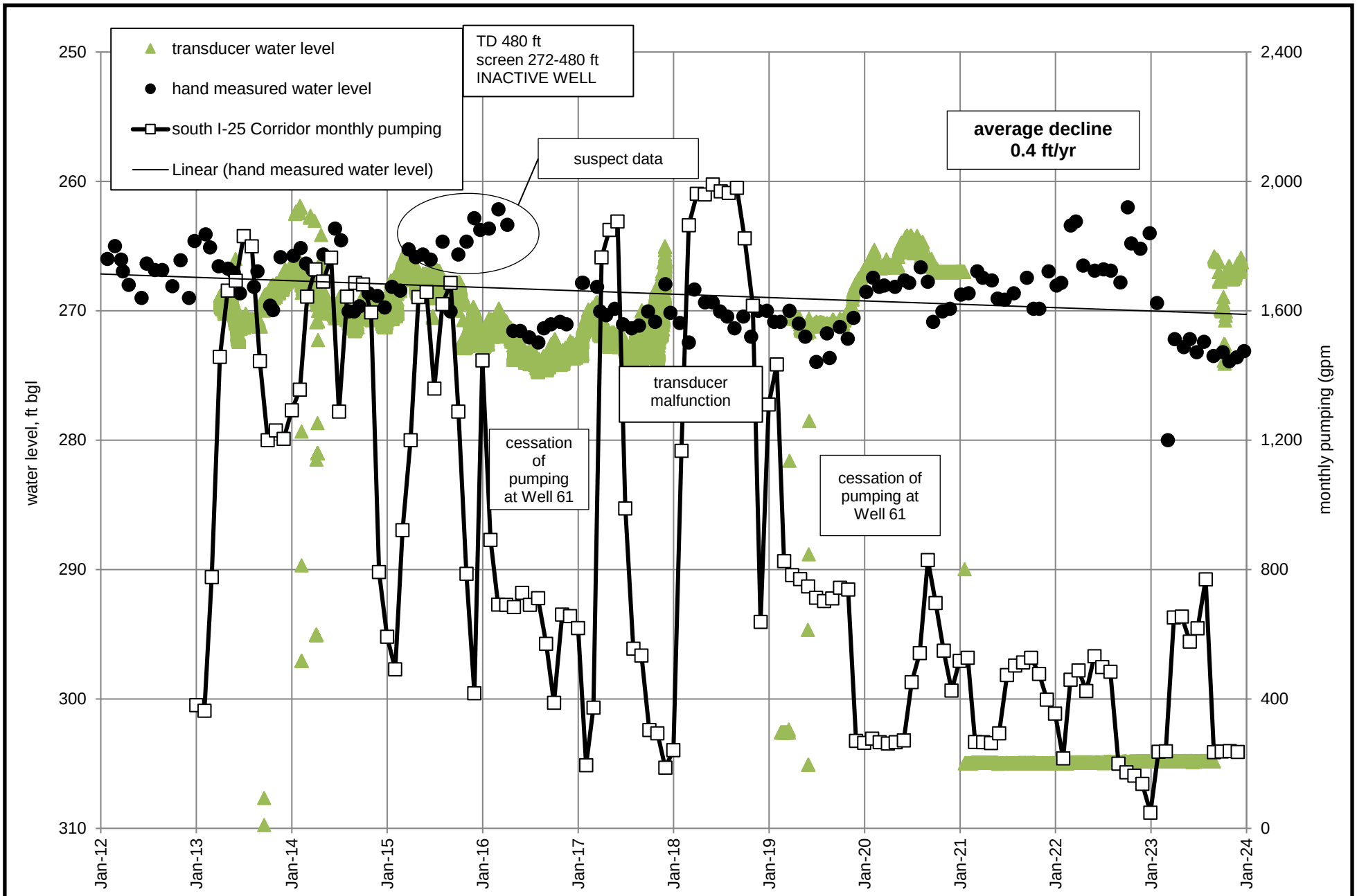


Figure B13. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 54, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

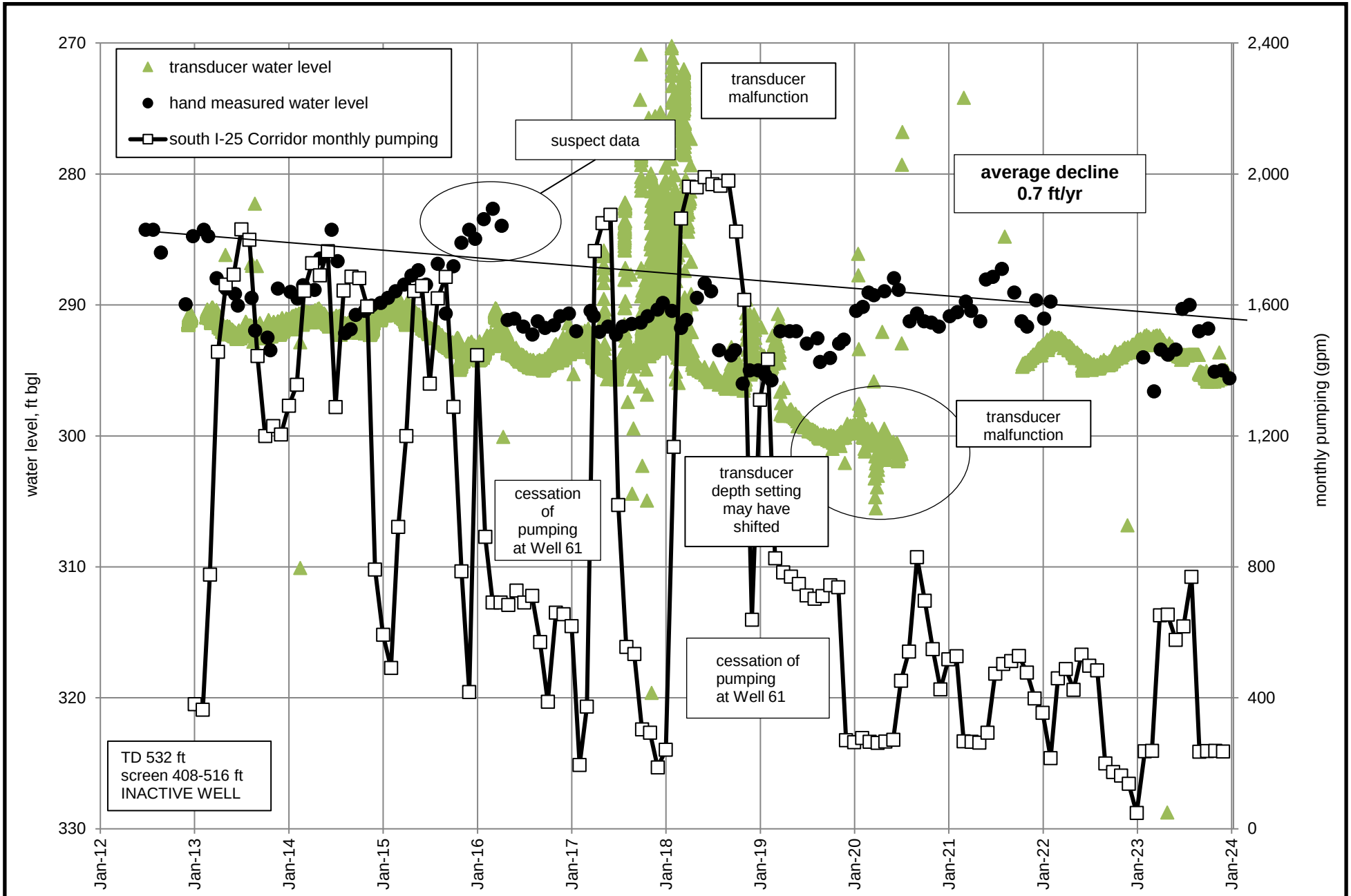


Figure B14. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 57, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

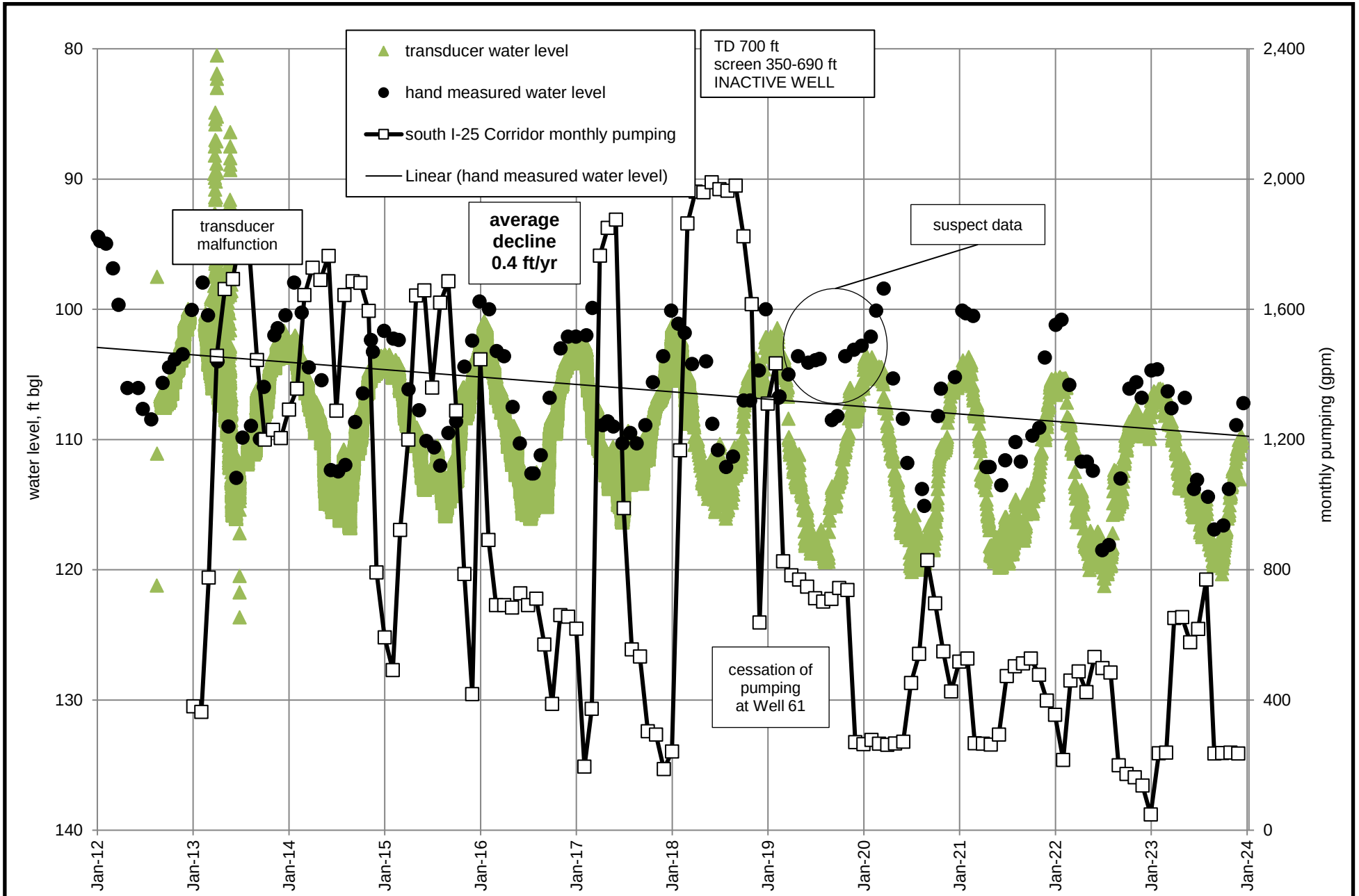


Figure B15. Graph of hand-measured and transducer water-level data collected by the City of Las Cruces for Well 60, and monthly pumping in the southern part of the I-25 Corridor (Wells 18, 27, 28, 61, and Paz Park).

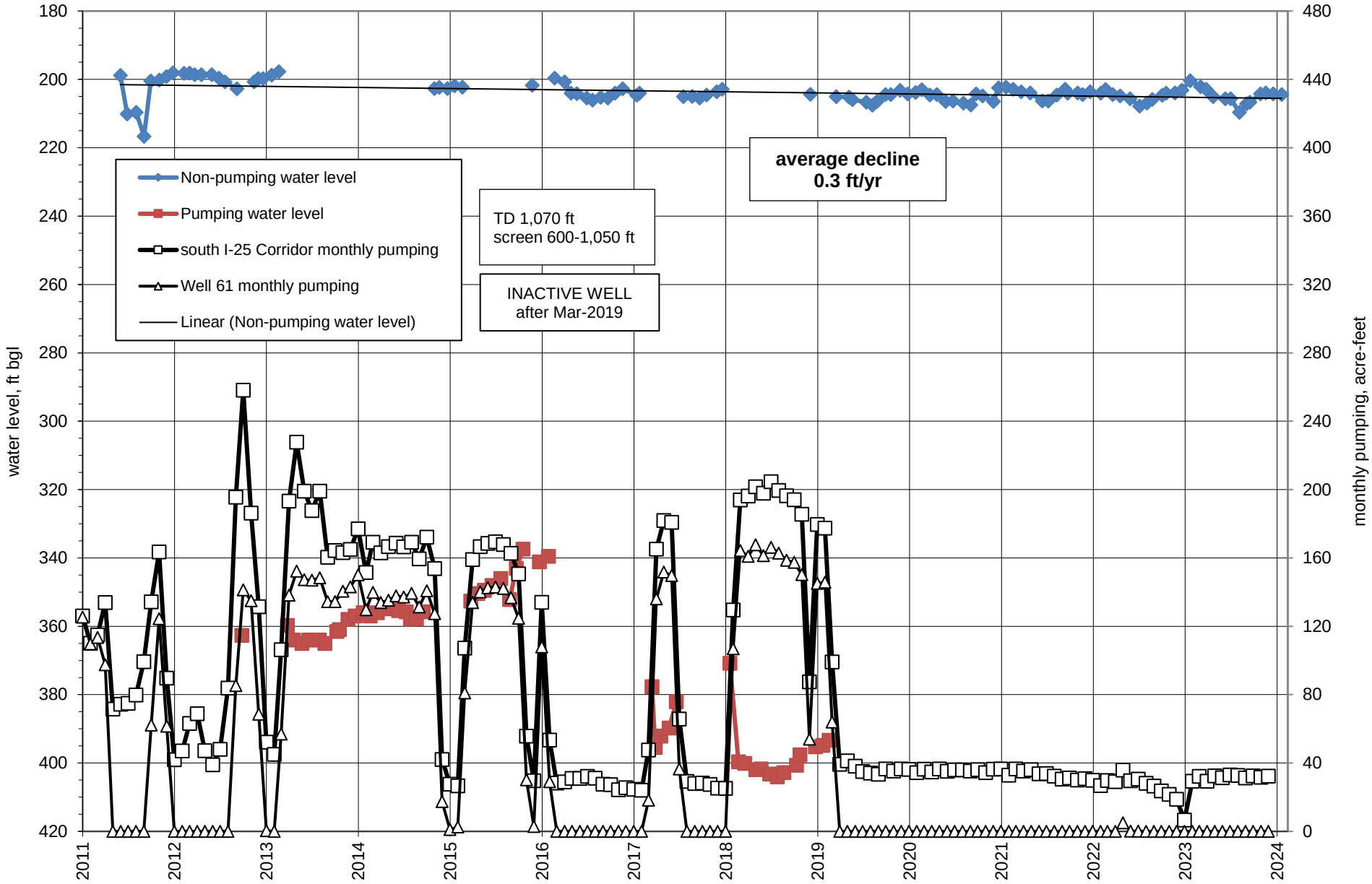


Figure B16. Graph of water-level data and monthly pumping data collected by the City of Las Cruces for Well 61.

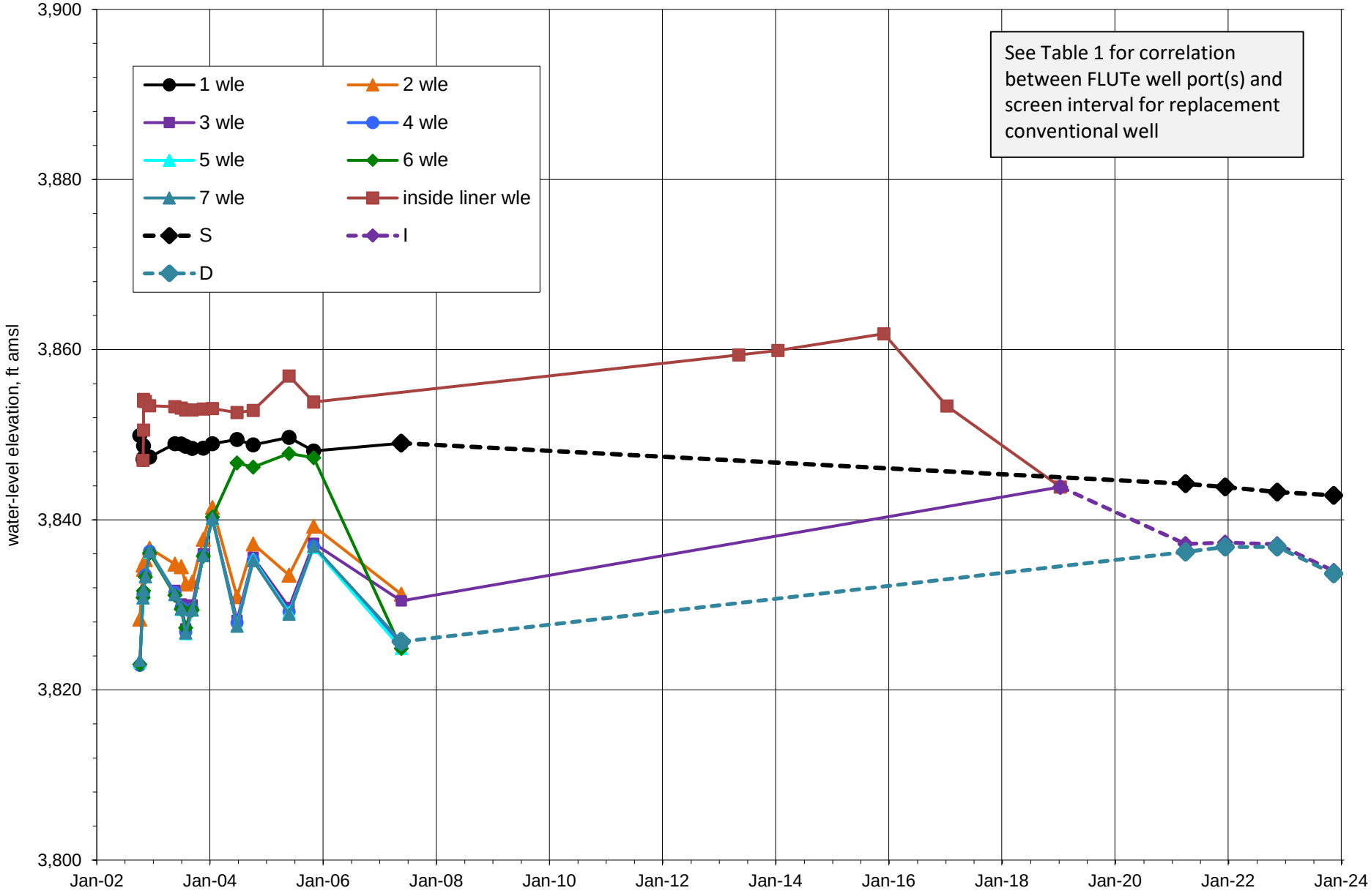


Figure B17. Graph of GWMW-01 (Ports 1 through 7 and inside liner) observed water levels, Griggs and Walnut site.

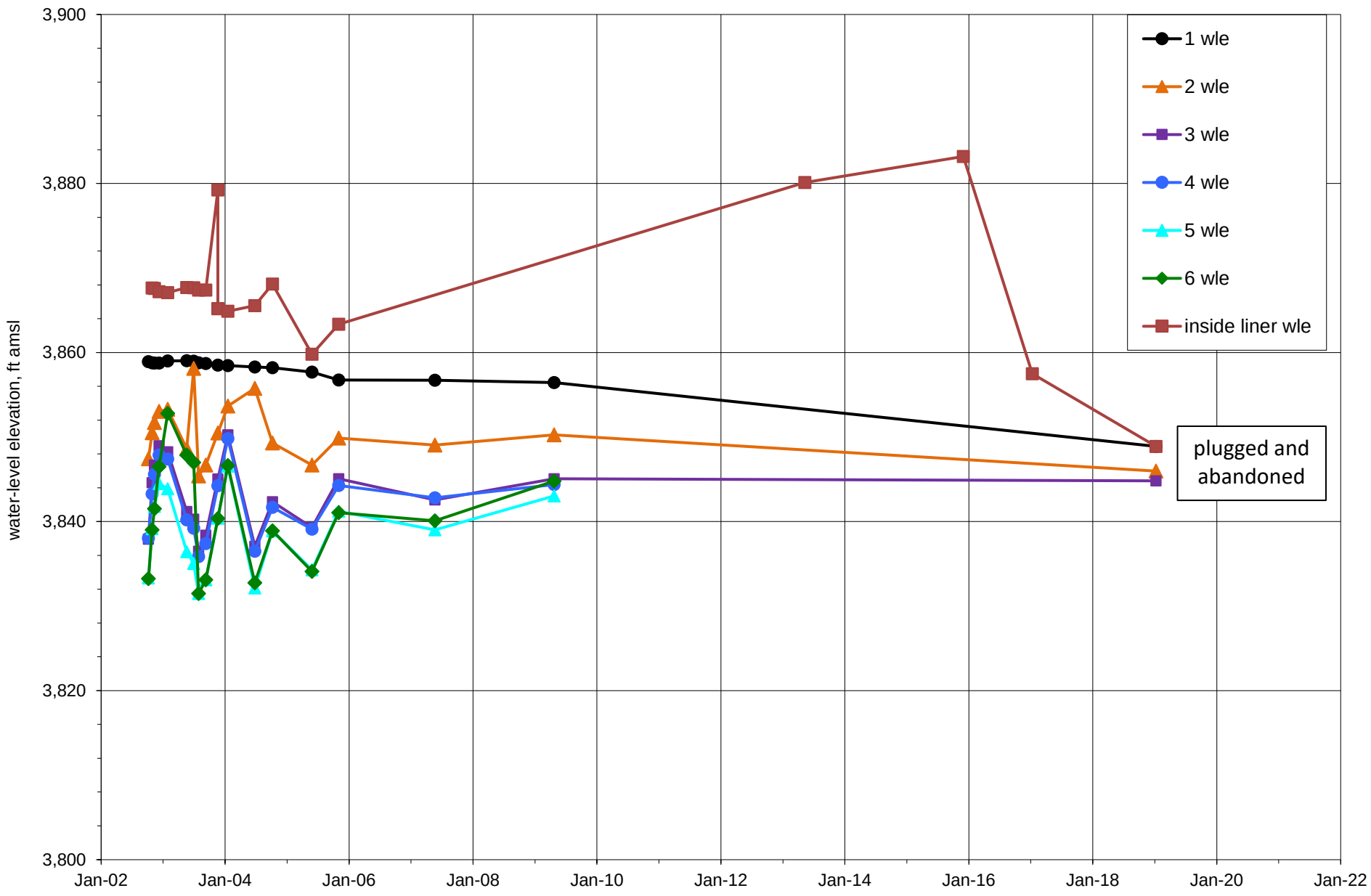


Figure B18. Graph of GWMW-03 (Ports 1 through 6 and inside liner) observed water levels, Griggs and Walnut site.

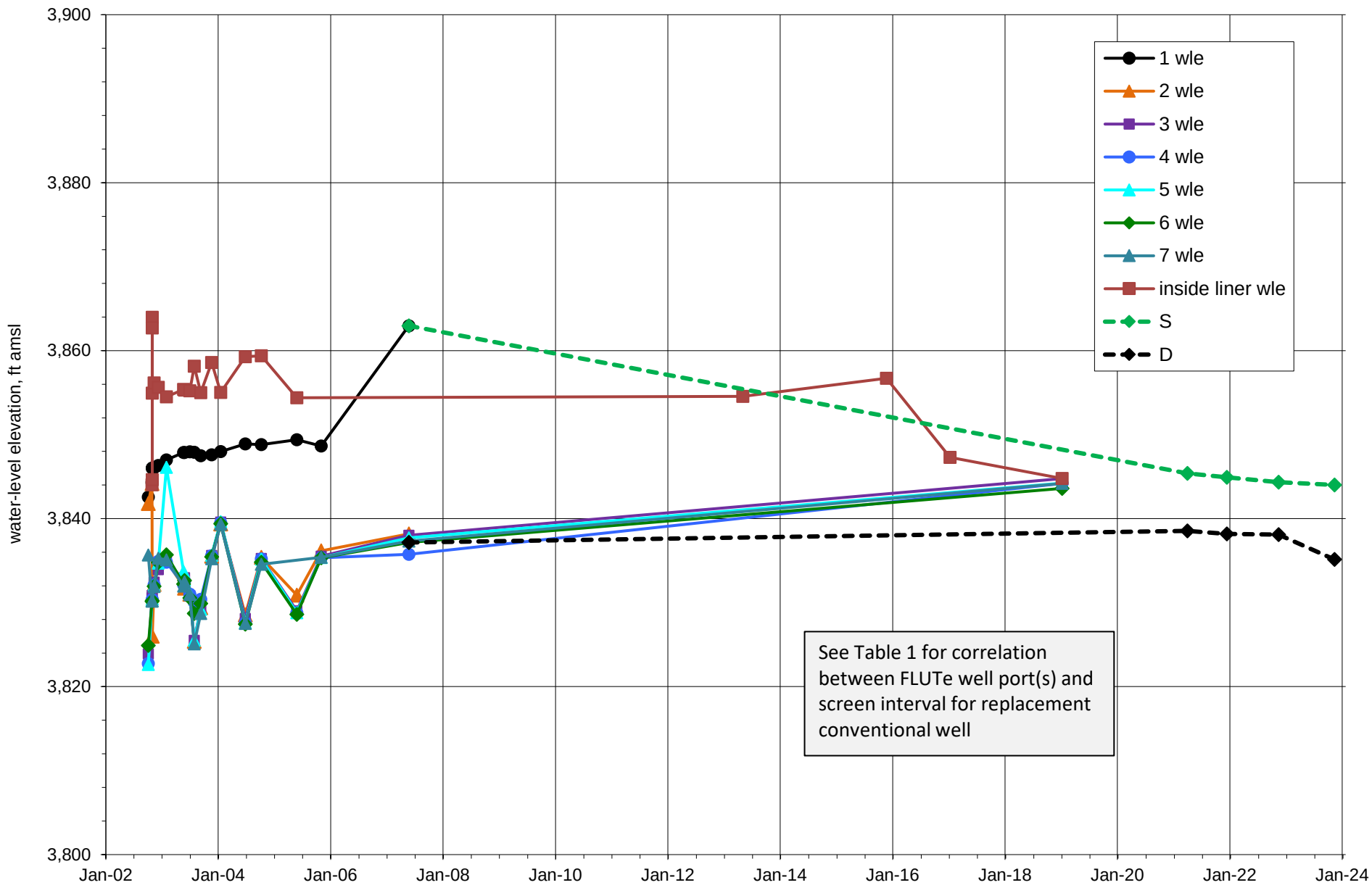


Figure B19. Graph of GWMW-08 (Ports 1 through 7 and inside liner) observed water levels, Griggs and Walnut site.

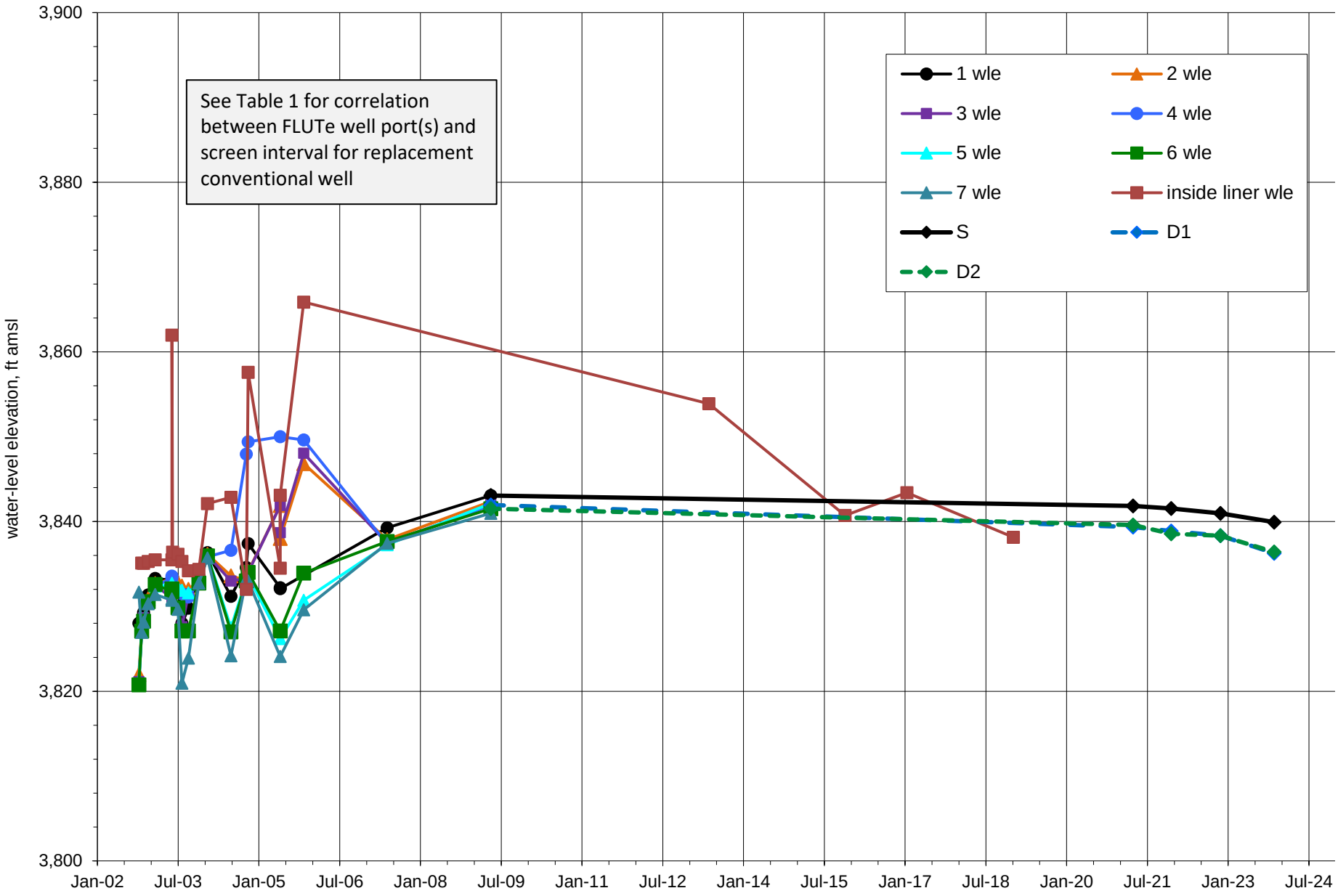


Figure B20. Graph of GWMW-09 (Ports 1 through 7 and inside liner) observed water levels, Griggs and Walnut site.

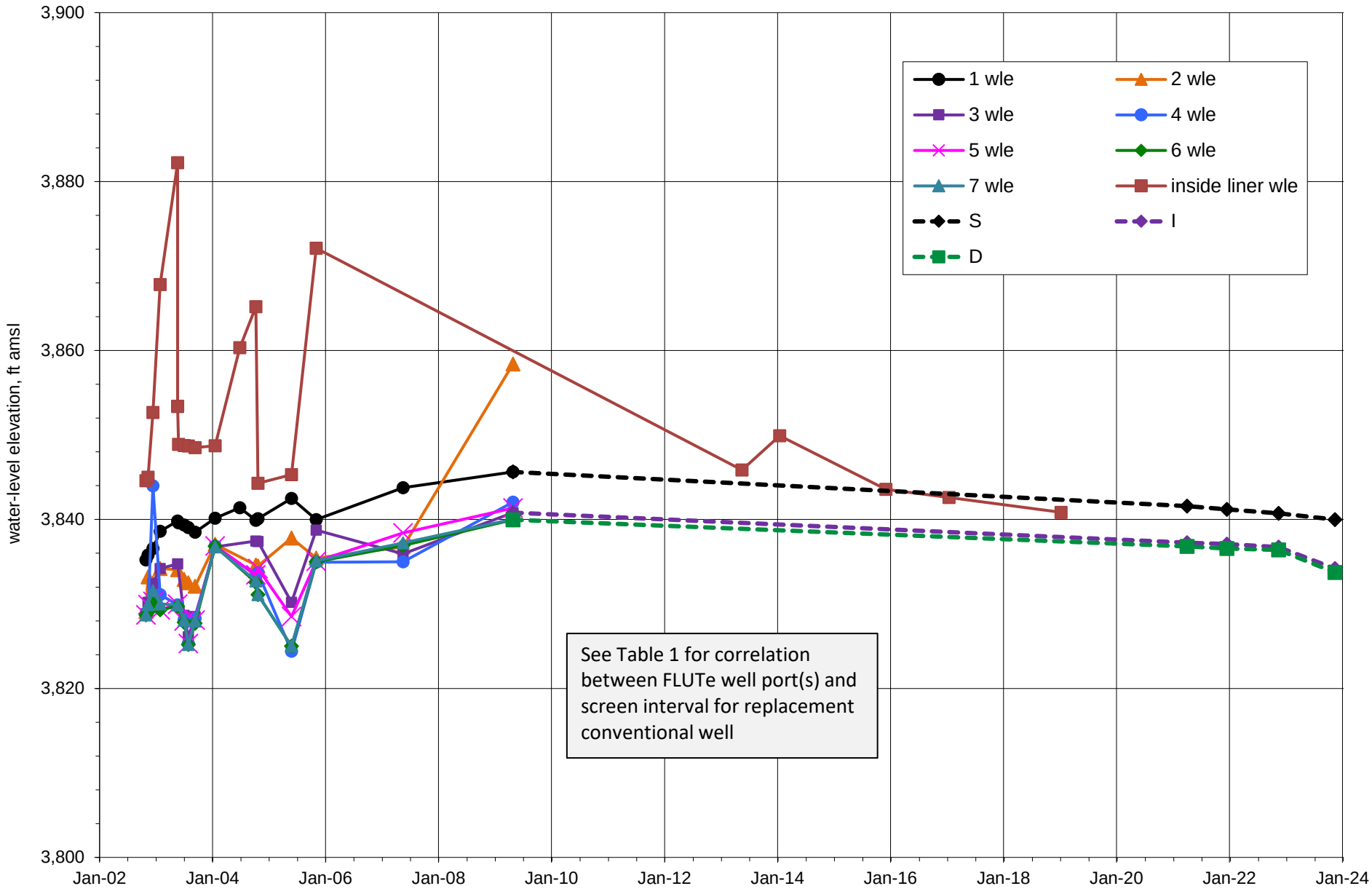


Figure B21. Graph of GWMW-10 (Ports 1 through 7 and inside liner) observed water levels, Griggs and Walnut site.

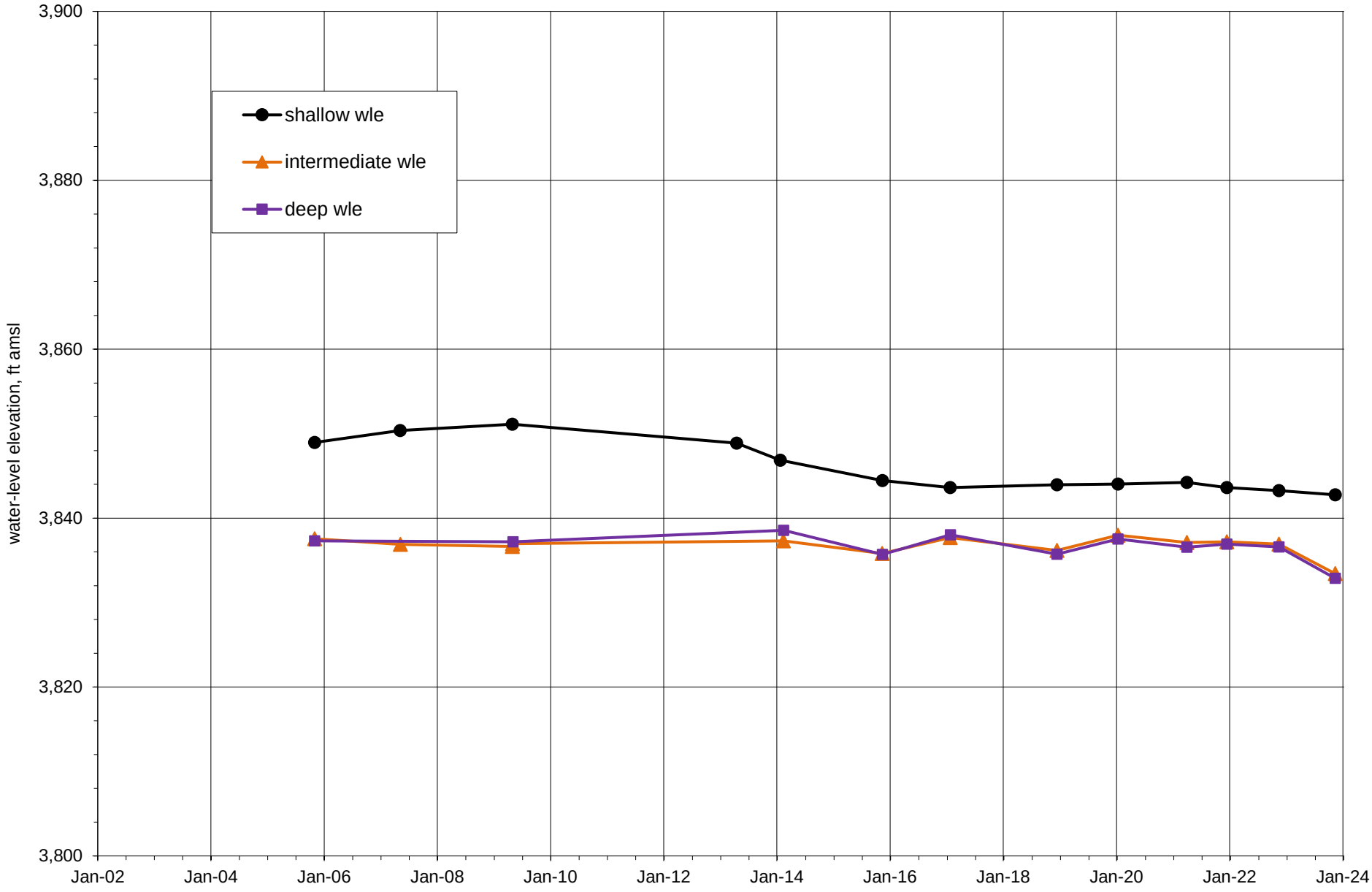


Figure B22. Graph of GWMW-11 (S, I, D) (shallow, intermediate, and deep) observed water levels, Griggs and Walnut site.

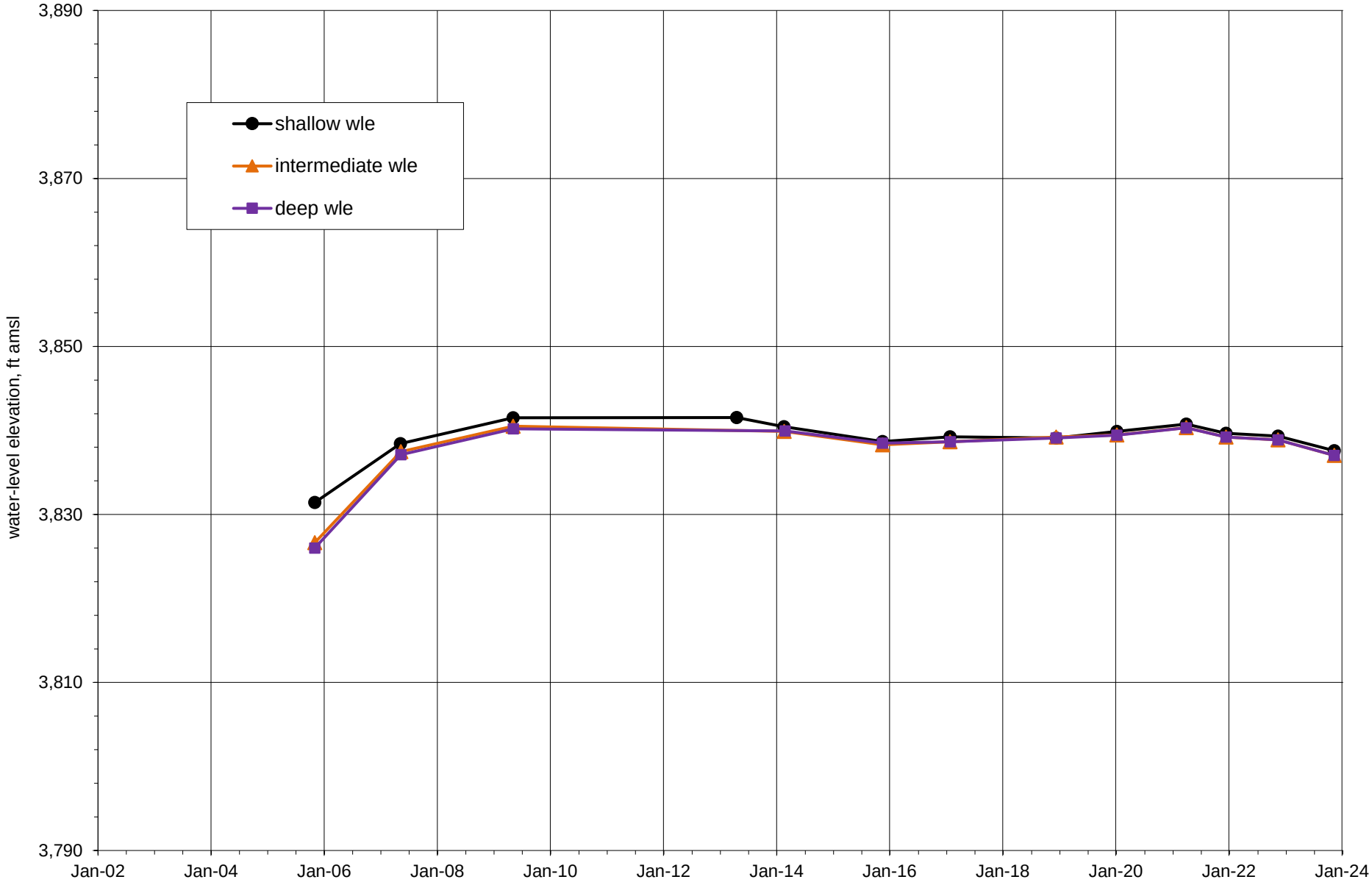


Figure B23. Graph of GWMW-15 (S, I, D) (shallow, intermediate, and deep) observed water levels, Griggs and Walnut site.

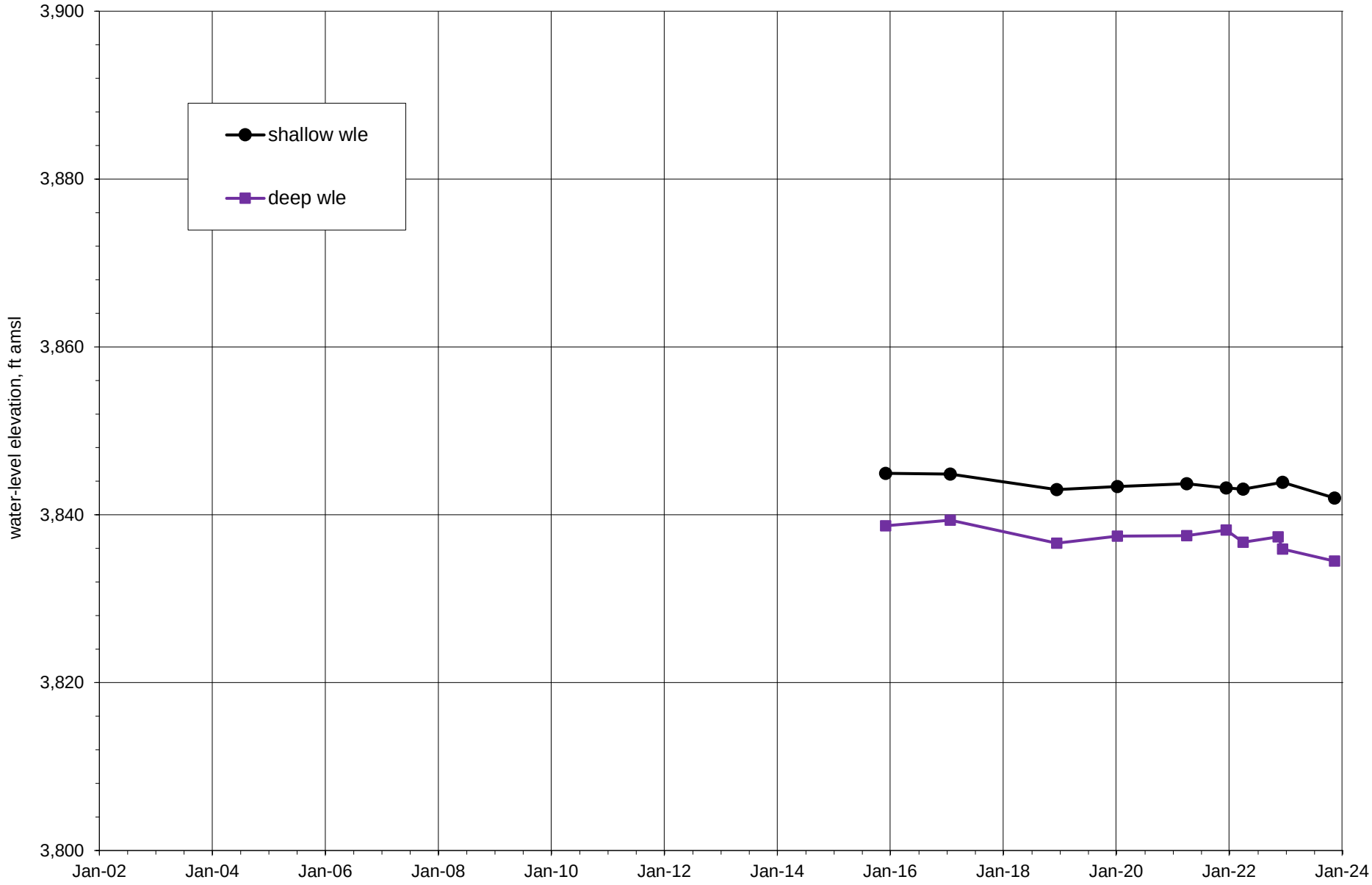


Figure B24. Graph of GWMW-16 (S, D) (shallow and deep) observed water levels, Griggs and Walnut site.

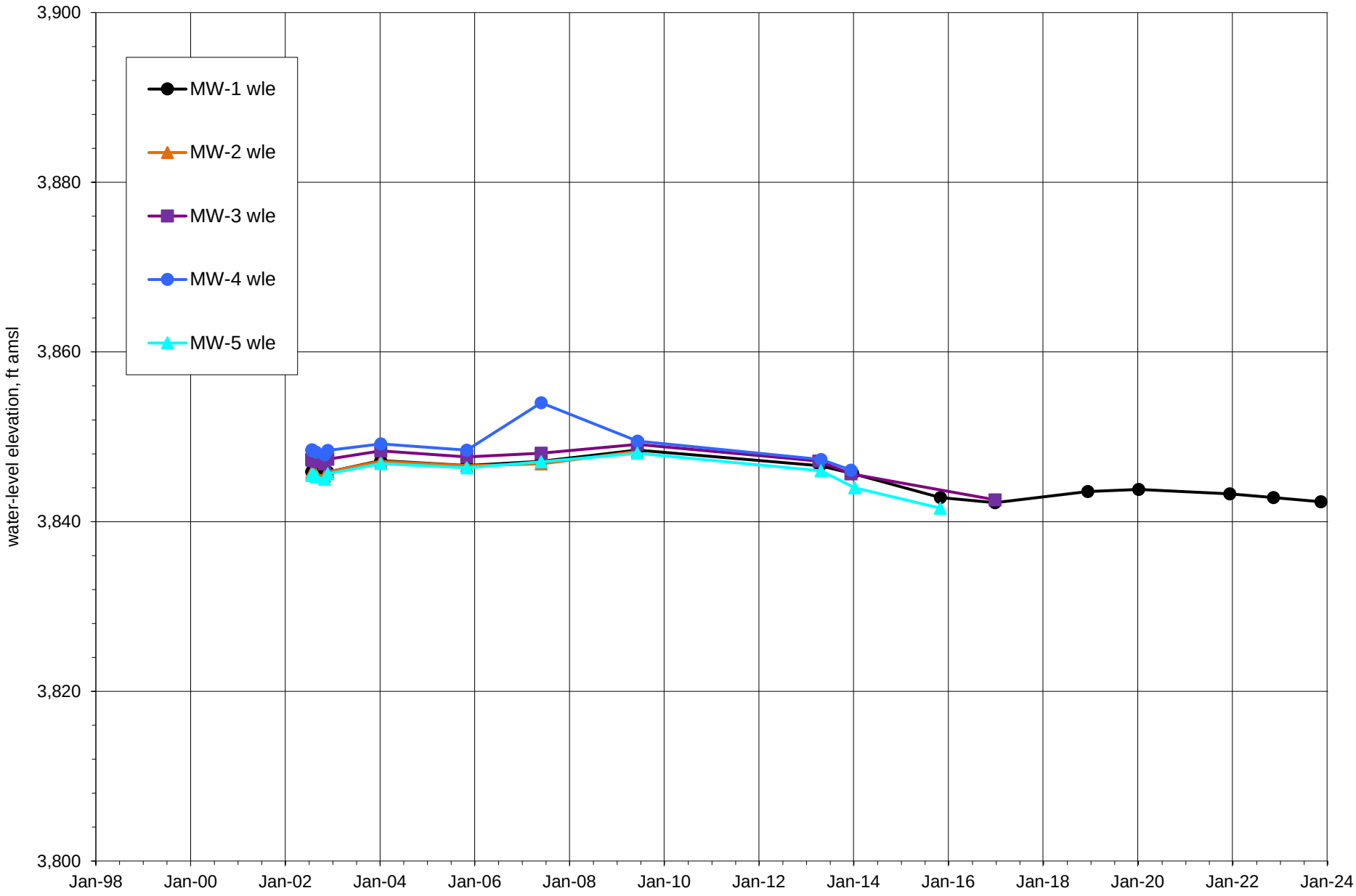


Figure B25. Graph of MW-1 through MW-5 observed water levels, Griggs and Walnut site.

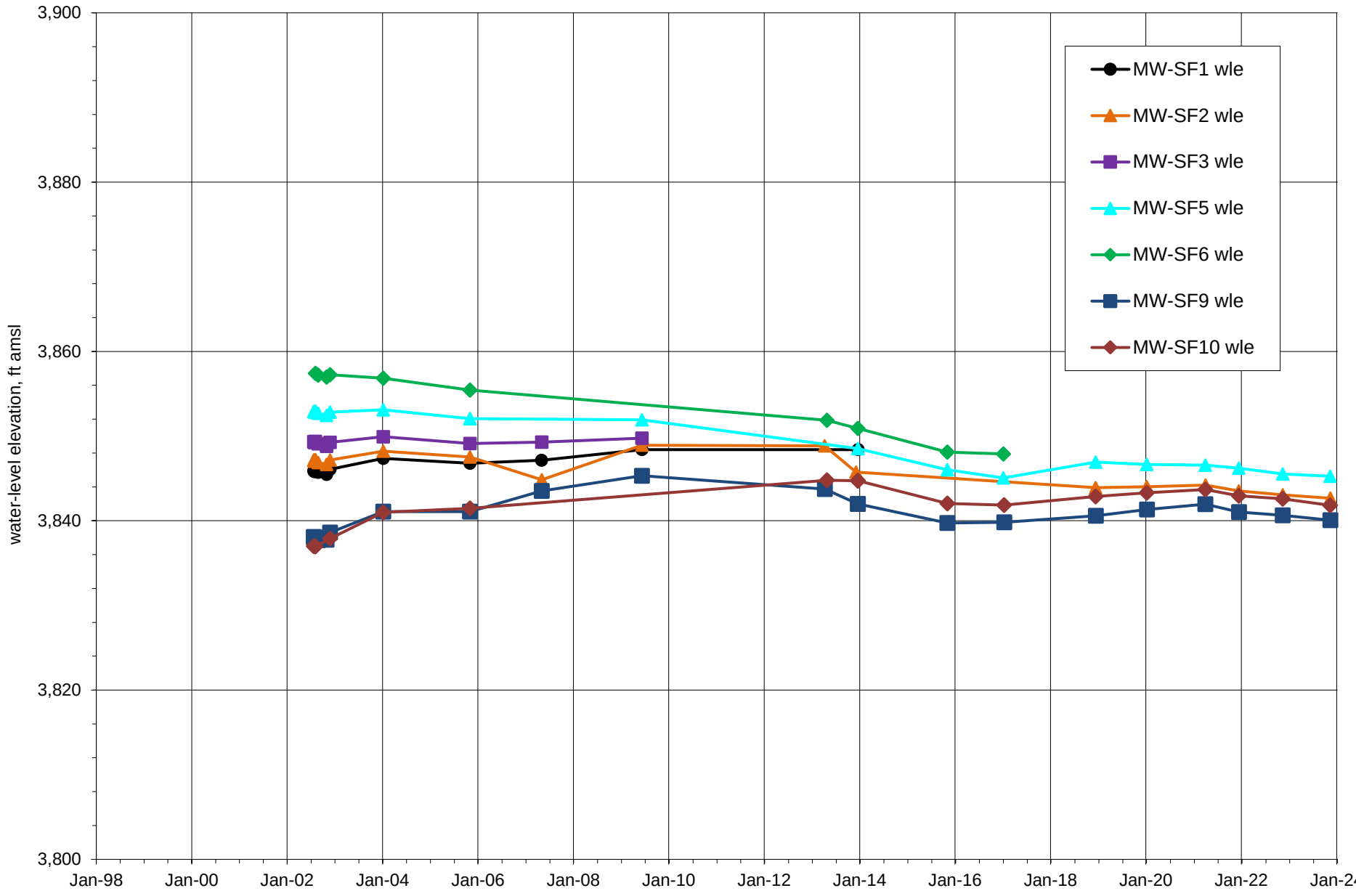


Figure B26. Graph of observed water levels for selected MW-SF series monitor wells, Griggs and Walnut site.

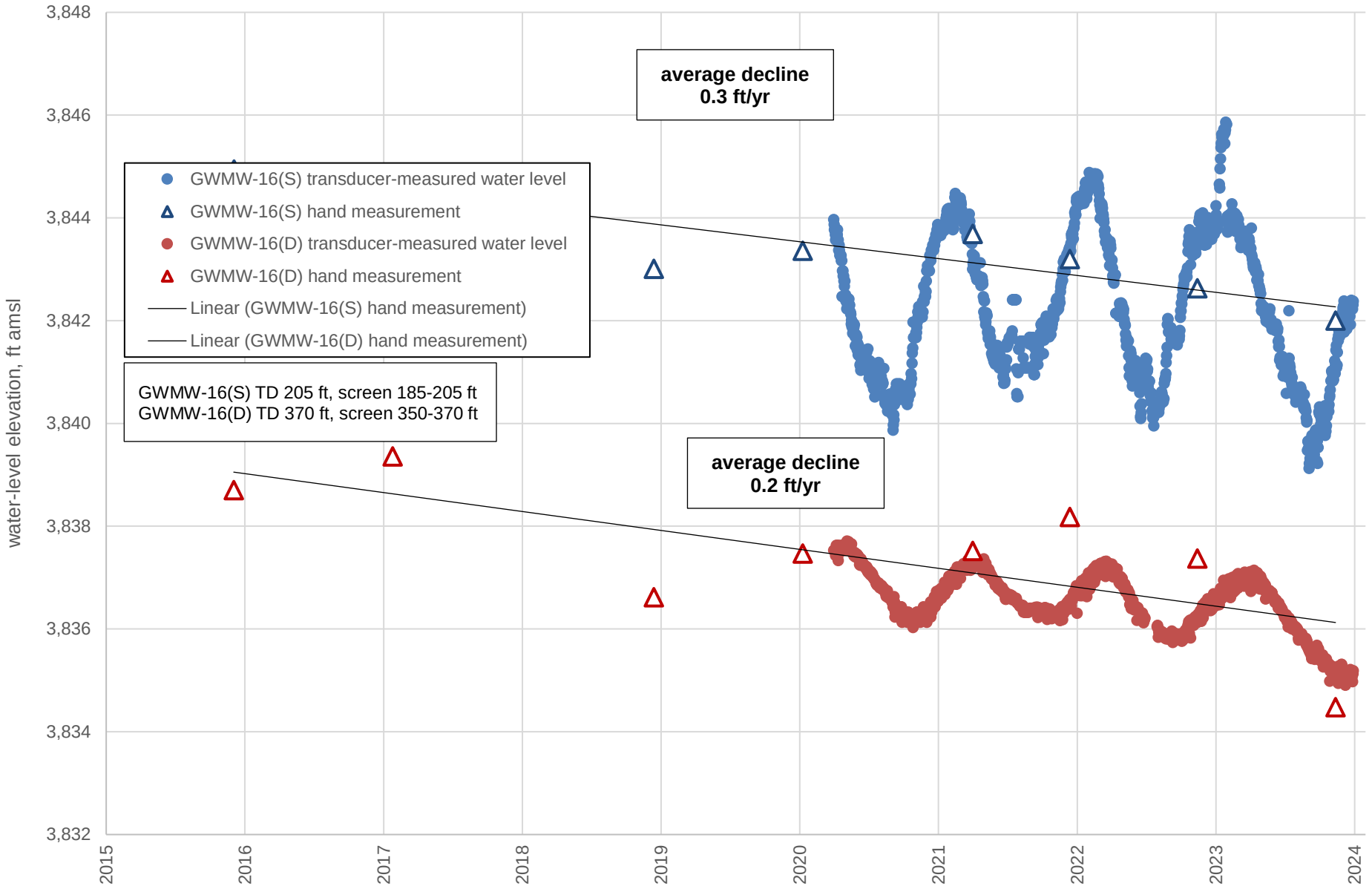


Figure B27. Graph of Griggs and Walnut site GWMW-16(S,D) transducer-measured water-level elevations, City of Las Cruces, New Mexico.

Appendix C.

Summary of Griggs and Walnut Site plume area pumping data

Table C1. Summary of Griggs and Walnut plume area pumping data

year	CLC 10	CLC 18	CLC 19	CLC 20	CLC 21	CLC 24	CLC 26	CLC 27	CLC 28*	CLC 54	CLC 57	CLC 61	Paz Park	east pumping (ac-ft/yr)	source
1958	550	0	0	0	0	0	0	0	0	0	0	0	0	550	JSAI (2006)
1959	550	0	0	0	0	0	0	0	0	0	0	0	0	550	JSAI (2006)
1960	550	1,470	0	0	0	0	0	0	0	0	0	0	0	2,020	JSAI (2006)
1961	550	1,470	0	0	0	0	0	0	0	0	0	0	0	2,020	JSAI (2006)
1962	550	1,470	0	0	0	0	0	0	0	0	0	0	0	2,020	JSAI (2006)
1963	417	1,240	592	721	0	0	0	0	0	0	0	0	0	2,969	JSAI (2006)
1964	417	1,240	592	721	869	0	0	0	0	0	0	0	0	3,838	JSAI (2006)
1965	417	1,240	592	721	869	0	0	0	0	0	0	0	0	3,838	JSAI (2006)
1966	417	1,240	592	721	869	268	0	0	0	0	0	0	0	4,106	JSAI (2006)
1967	417	1,240	592	721	869	268	0	0	0	0	0	0	0	4,106	JSAI (2006)
1968	361	1,073	699	866	946	969	0	0	127	0	0	0	0	5,042	JSAI (2006)
1969	361	1,073	699	866	946	969	518	0	593	0	0	0	0	6,025	JSAI (2006)
1970	361	1,073	699	866	946	969	518	0	593	0	0	0	0	6,025	JSAI (2006)
1971	361	1,073	699	866	946	969	518	443	593	0	0	0	0	6,468	JSAI (2006)
1972	361	1,073	699	866	946	969	518	443	593	0	0	0	0	6,468	JSAI (2006)
1973	338	1,006	699	866	946	969	495	177	593	0	0	0	0	6,090	JSAI (2006)
1974	338	1,006	699	866	946	969	495	177	593	0	0	0	0	6,090	JSAI (2006)
1975	338	1,006	699	866	946	969	495	177	593	0	0	0	0	6,090	JSAI (2006)
1976	338	1,006	699	866	946	969	495	177	593	0	0	0	0	6,090	JSAI (2006)
1977	338	1,006	699	866	946	969	495	177	593	0	0	0	0	6,090	JSAI (2006)
1978	299	918	699	866	946	969	442	177	593	0	0	0	0	5,909	JSAI (2006)
1979	299	918	699	866	946	969	442	177	593	0	0	0	0	5,909	JSAI (2006)
1980	299	918	699	866	946	969	442	177	593	0	0	0	0	5,909	JSAI (2006)
1981	299	918	699	866	946	969	442	177	593	0	0	0	0	5,909	JSAI (2006)
1982	299	918	699	866	946	969	442	177	593	0	0	0	0	5,909	JSAI (2006)
1983	117	1,025	699	866	946	969	427	177	593	0	0	0	0	5,819	JSAI (2006)
1984	117	1,025	699	866	946	969	427	177	593	0	0	0	0	5,819	JSAI (2006)
1985	117	1,025	699	866	946	969	427	177	593	0	0	0	0	5,819	JSAI (2006)
1986	117	1,025	699	866	946	969	427	177	593	0	0	0	0	5,819	JSAI (2006)
1987	117	1,025	699	866	946	969	427	177	593	0	0	0	0	5,819	JSAI (2006)
1988	246	977	578	787	1,136	807	468	413	415	0	0	0	0	5,827	JSAI (2006)
1989	246	977	578	787	1,136	807	468	413	415	0	0	0	0	5,827	JSAI (2006)
1990	246	977	578	787	1,136	807	468	413	415	272	123	0	0	6,222	JSAI (2006)
1991	246	977	578	787	1,136	807	468	413	415	272	123	0	0	6,222	JSAI (2006)
1992	246	977	578	787	1,136	807	468	413	415	272	123	0	0	6,222	JSAI (2006)
1993	349	1,031	649	791	1,107	807	475	318	599	315	514	0	0	6,955	LCU metered data
1994	250	779	582	707	980	777	406	371	518	274	608	0	0	6,251	LCU metered data
1995	150	528	515	623	852	747	337	423	437	233	702	0	0	5,548	LCU metered data
1996	20	517	542	531	1,000	585	449	467	243	281	582	0	0	5,216	LCU metered data
1997	33	0	94	673	1,240	414	380	565	351	344	462	762	39	5,356	LCU metered data
1998	159	0	285	949	826	340	340	766	400	352	560	671	0	5,649	LCU metered data
1999	129	0	602	340	1,052	628	599	1,269	392	615	711	243	21	6,600	LCU metered data
2000	174	0	395	1,166	1,296	641	228	916	738	438	691	561	45	7,290	LCU metered data
2001	0	0	434	755	1,379	837	880	386	610	559	193	706	60	6,799	LCU metered data
2002	226	58	430	741	655	887	588	224	766	500	20	241	61	5,396	LCU metered data
2003	179	17	4	1,008	225	929	447	37	591	10	0	116	56	3,619	LCU metered data
2004	281	1	7	555	196	1,027	487	0	480	0	0	161	47	3,242	LCU metered data
2005	369	8	39	408	376	1,028	419	0	736	0	0	289	19	3,692	LCU metered data
2006	0	29	0	676	324	822	145	85	788	0	0	87	45	3,001	LCU metered data
2007	0	57	0	0	0	0	350	77	718	0	0	534	94	1,830	LCU metered data
2008	0	110	0	0	0	0	548	0	276	0	0	456	58	1,448	LCU metered data
2009	0	0	0	0	0	0	113	55	315	0	0	150	12	645	LCU metered data
2010	0	0	0	0	0	0	242	31	575	0	0	676	32	1,556	LCU metered data
2011	0	0	0	0	0	0	540	0	607	0	0	694	39	1,880	LCU metered data
2012	0	218	0	0	0	0	428	120	820	0	0	430	14	2,030	LCU metered data
2013	0	255	0	0	0	0	33	204	167	0	0	1,343	28	2,030	LCU metered data
2014	0	44	0	0	0	0	0	264	581	0	0	1,520	21	2,430	LCU metered data
2015	0	48	0	0	0	0	0	262	451	0	0	1,081	1	1,843	LCU metered data
2016	0	47	0	0	0	0	0	252	709	0	0	137	39	1,184	LCU metered data
2017	0	47	0	0	0	0	0	250	457	0	0	492	39	1,285	LCU metered data
2018	0	47	0	0	0	0	0	324	566	0	0	1,673	24	2,634	LCU metered data
2019	0	47	0	0	0	0	0	367	518	0	0	355	17	1,304	LCU metered data
2020	0	45	0	0	0	0	0	382	259	0	0	0	0	687	LCU metered data
2021	0	31	0	0	0	0	0	369	275	0	0	0	0	675	LCU metered data
2022	0	4	0	0	0	0	0	321	227	0	0	5	0	557	LCU metered data
2023	0	3	0	0	0	0	0	352	436	0	0	0	0	791	LCU metered data

* located north of Site
CLC - City of Las Cruces
JSAI - John Shomaker & Associates, Inc.
LCU - Las Cruces Utilities
ac-ft/yr - acre-feet per year

Appendix D.

Time-series graphs of Griggs and Walnut Site PCE concentration

Appendix D.

Figure D1. Graph showing PCE concentrations versus time for CLC 18 and CLC 27, Griggs and Walnut site.

Figure D2. Graph of GWMW-01 (Ports 1 through 7) observed PCE concentrations, Griggs and Walnut site.

Figure D3. Graph of GWMW-03 (Ports 1 through 6) observed PCE concentrations, Griggs and Walnut site.

Figure D4. Graph of GWMW-08 (Ports 1 through 7) observed PCE concentrations, Griggs and Walnut site.

Figure D5. Graph of GWMW-09 (Ports 1 through 7) observed PCE concentrations, Griggs and Walnut site.

Figure D6. Graph of GWMW-10 (Ports 1 through 7) observed PCE concentrations, Griggs and Walnut site.

Figure D7. Graph of GWMW-11(S,I,D) (shallow, intermediate, and deep) observed PCE concentrations, Griggs and Walnut site.

Figure D8. Graph of GWMW-15(S,I,D) (shallow, intermediate, and deep) observed PCE concentrations, Griggs and Walnut site.

Figure D9. Graph of GWMW-16(S,D) (shallow and deep) observed PCE concentrations, Griggs and Walnut site.

Figure D10. Graph of DACTD Monitoring Wells (PTSB) MW-1 through MW-5 observed PCE concentrations, Griggs and Walnut site.

Figure D10a. Graph of DACTD Monitoring Wells (PTSB) MW-1 through MW-5 observed PCE concentrations, Griggs and Walnut site.

Figure D11. Graph of observed PCE concentrations for selected MW-SF-series monitor wells, Griggs and Walnut site.

Figure D12. Graph of observed PCE concentrations for selected MW-SF5, MW-SF6, and MW-SF9 monitor wells, Griggs and Walnut site.

Figure D13. Graph of observed PCE concentrations for MW-SF2 monitor well, Griggs and Walnut site.

Figure D14. Graph of observed PCE concentrations for MW-SF10 monitor well, Griggs and Walnut site.

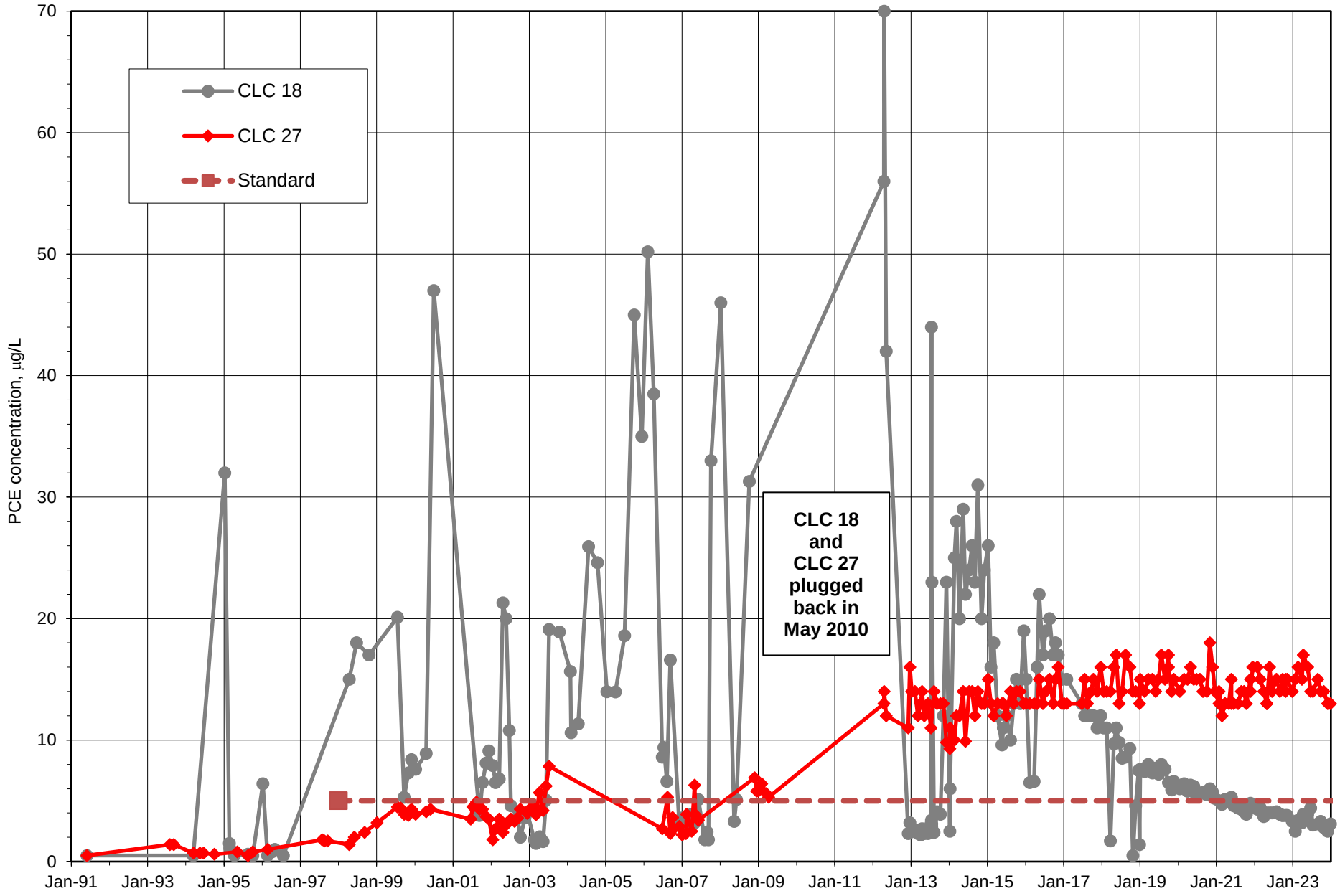


Figure D1. Graph showing PCE concentrations versus time for CLC 18 and CLC 27, Griggs and Walnut site.

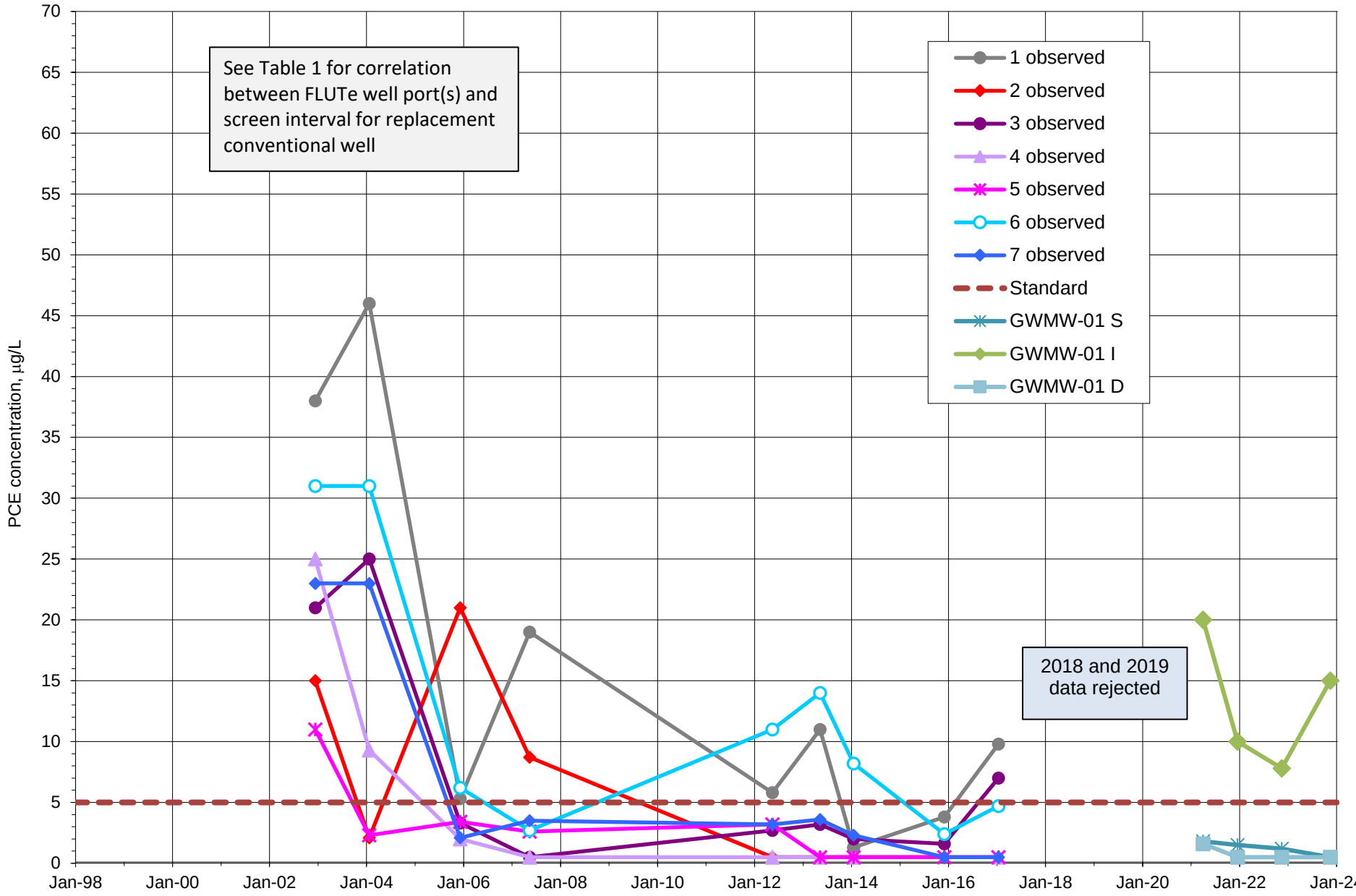


Figure D2. Graph of GWMW-01 (Ports 1 through 7) observed PCE concentrations, Griggs and Walnut site.

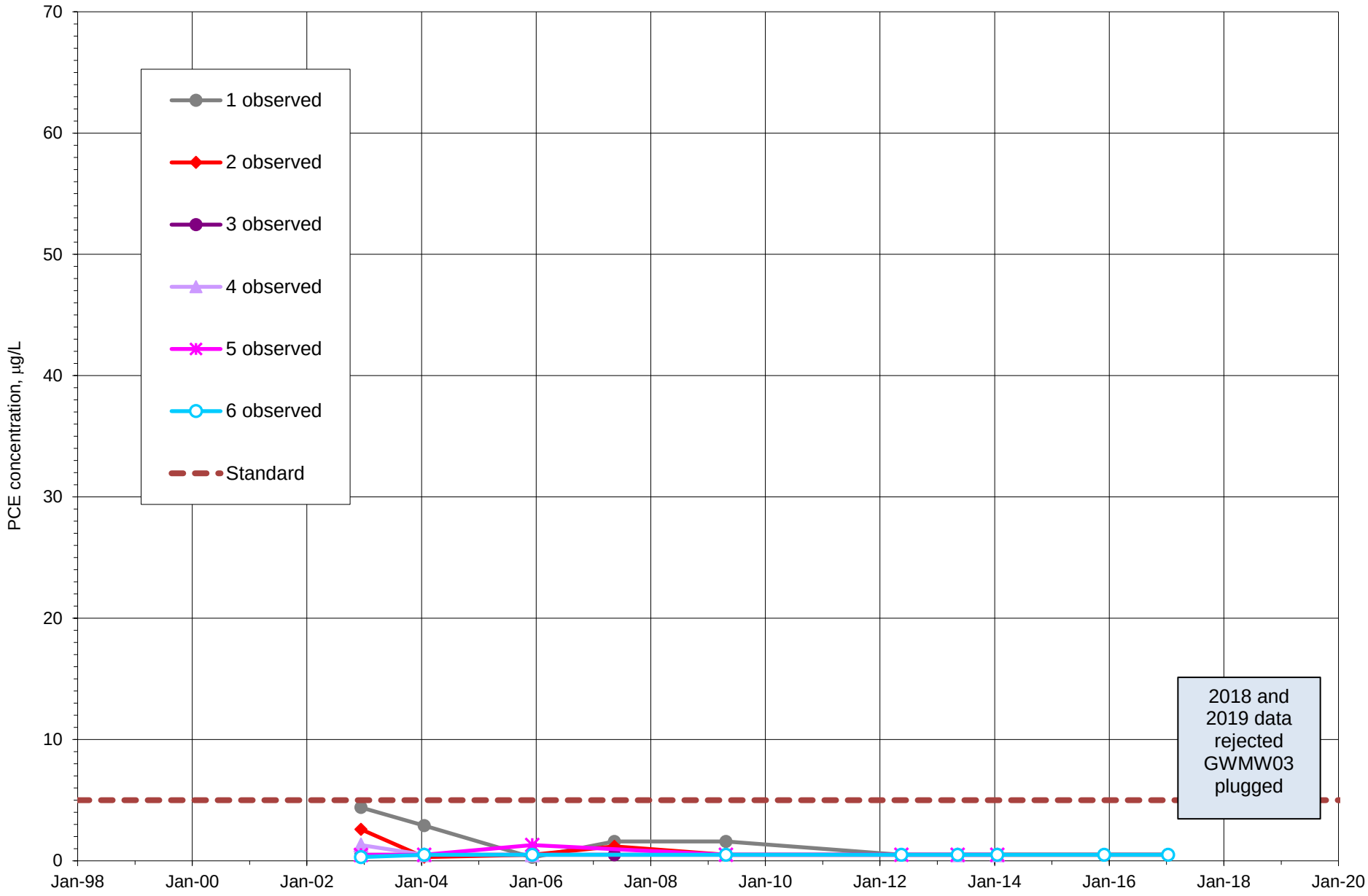


Figure D3. Graph of GWMW-03 (Ports 1 through 6) observed PCE concentrations, Griggs and Walnut site.

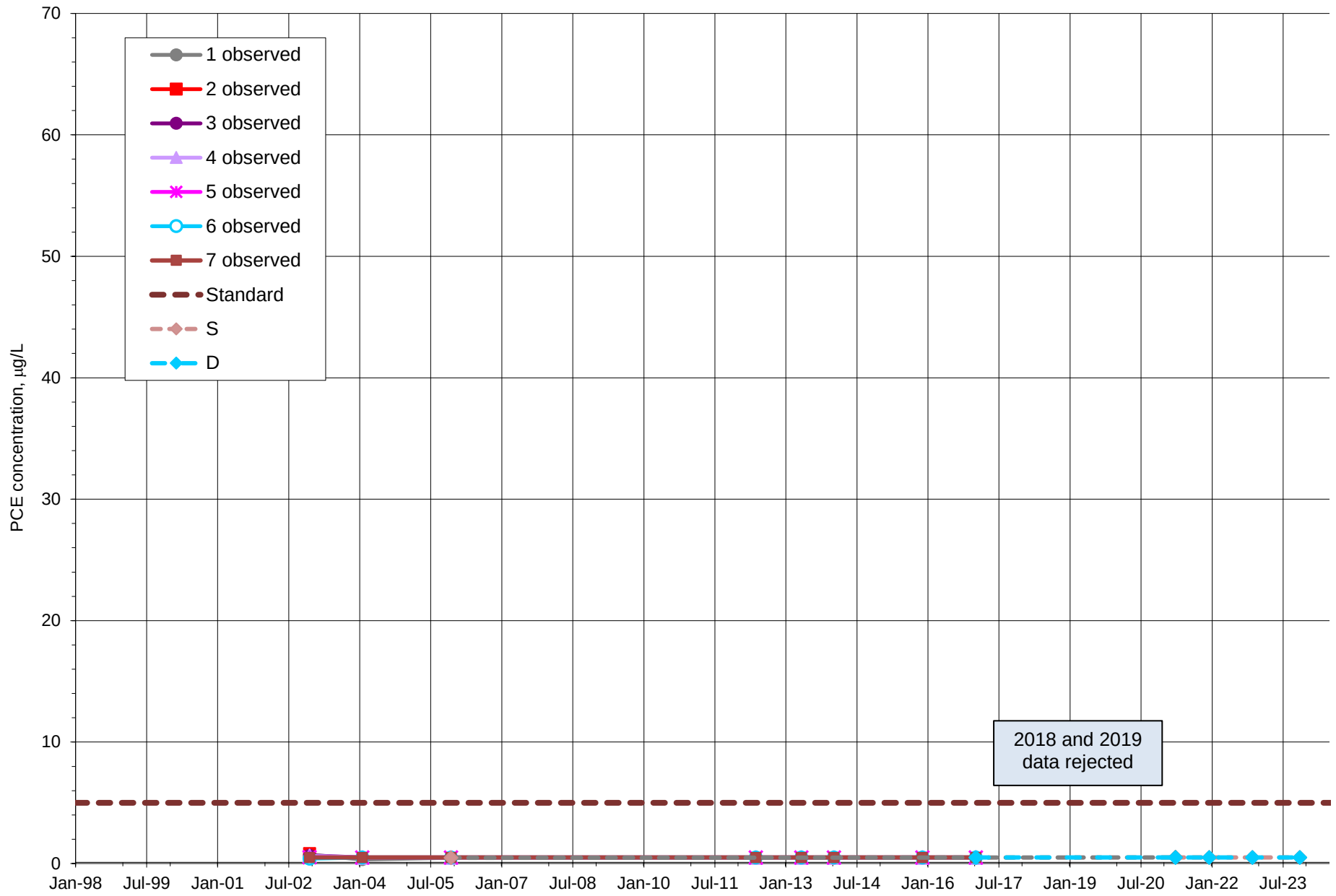


Figure D4. Graph of GWMW-08 (Ports 1 through 7) observed PCE concentrations, Griggs and Walnut site.

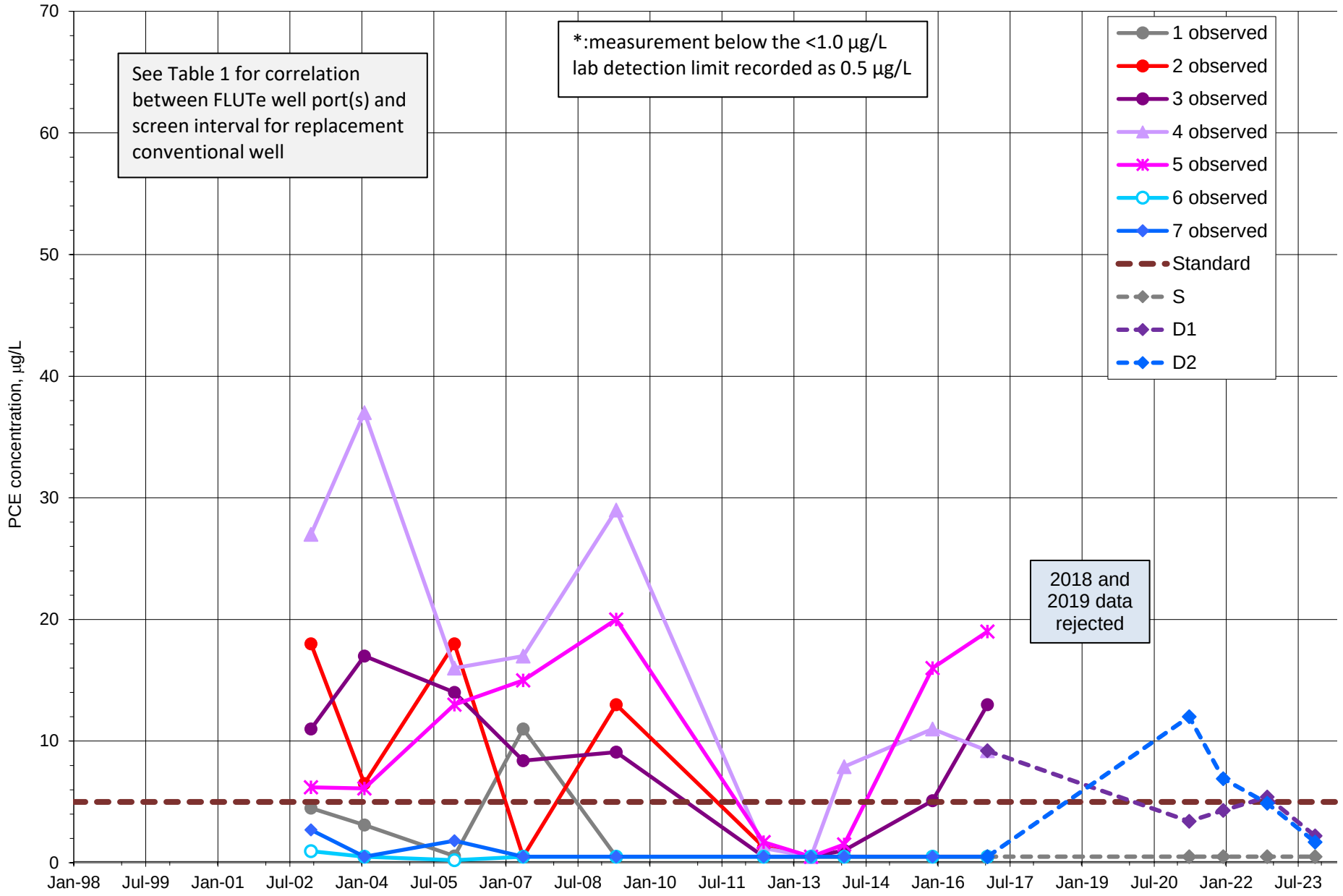


Figure D5. Graph of GWMW-09 (Ports 1 through 7) observed PCE concentrations, Griggs and Walnut site.

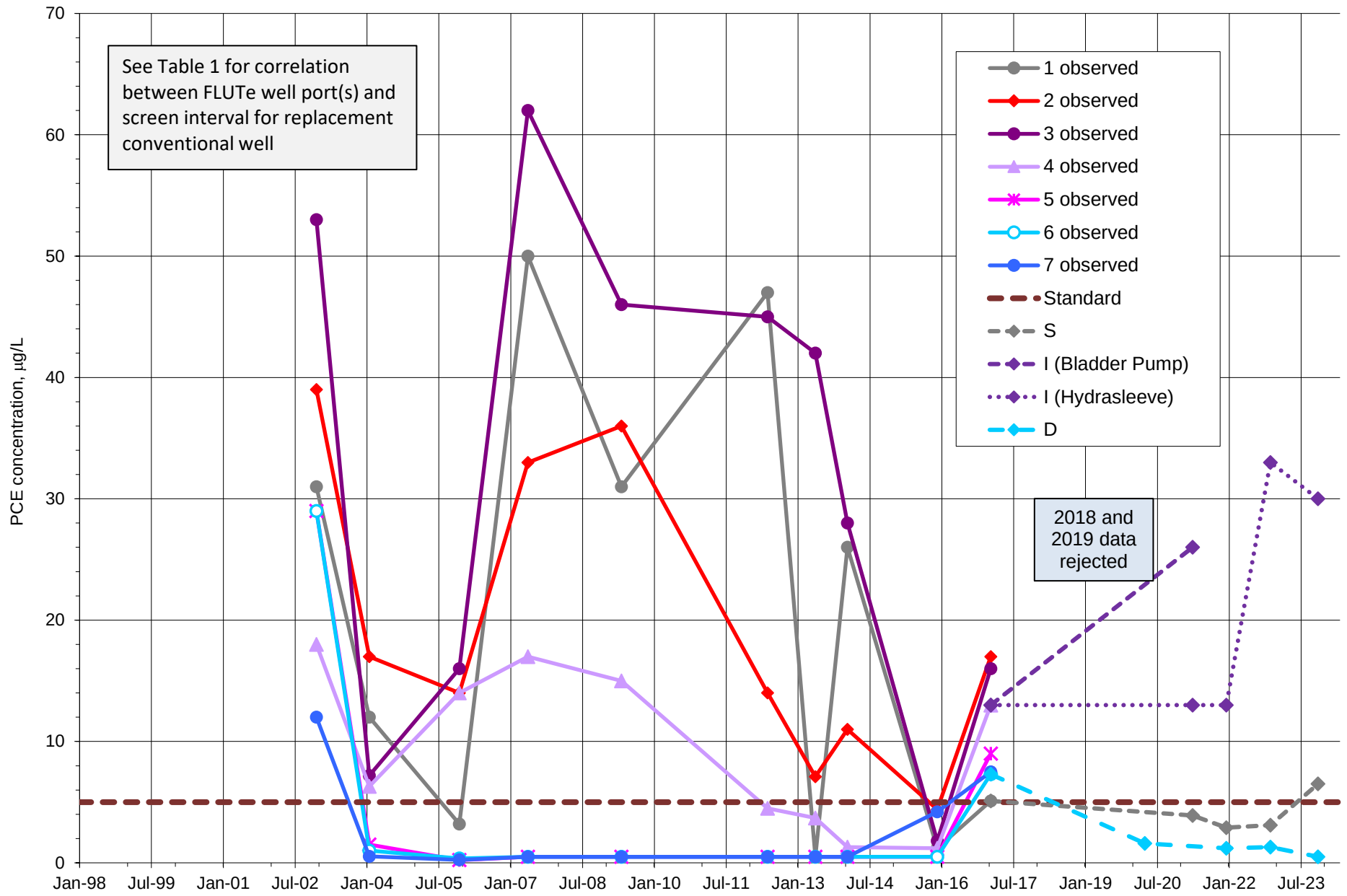


Figure D6. Graph of GWMW-10 (Ports 1 through 7) observed PCE concentrations, Griggs and Walnut site.

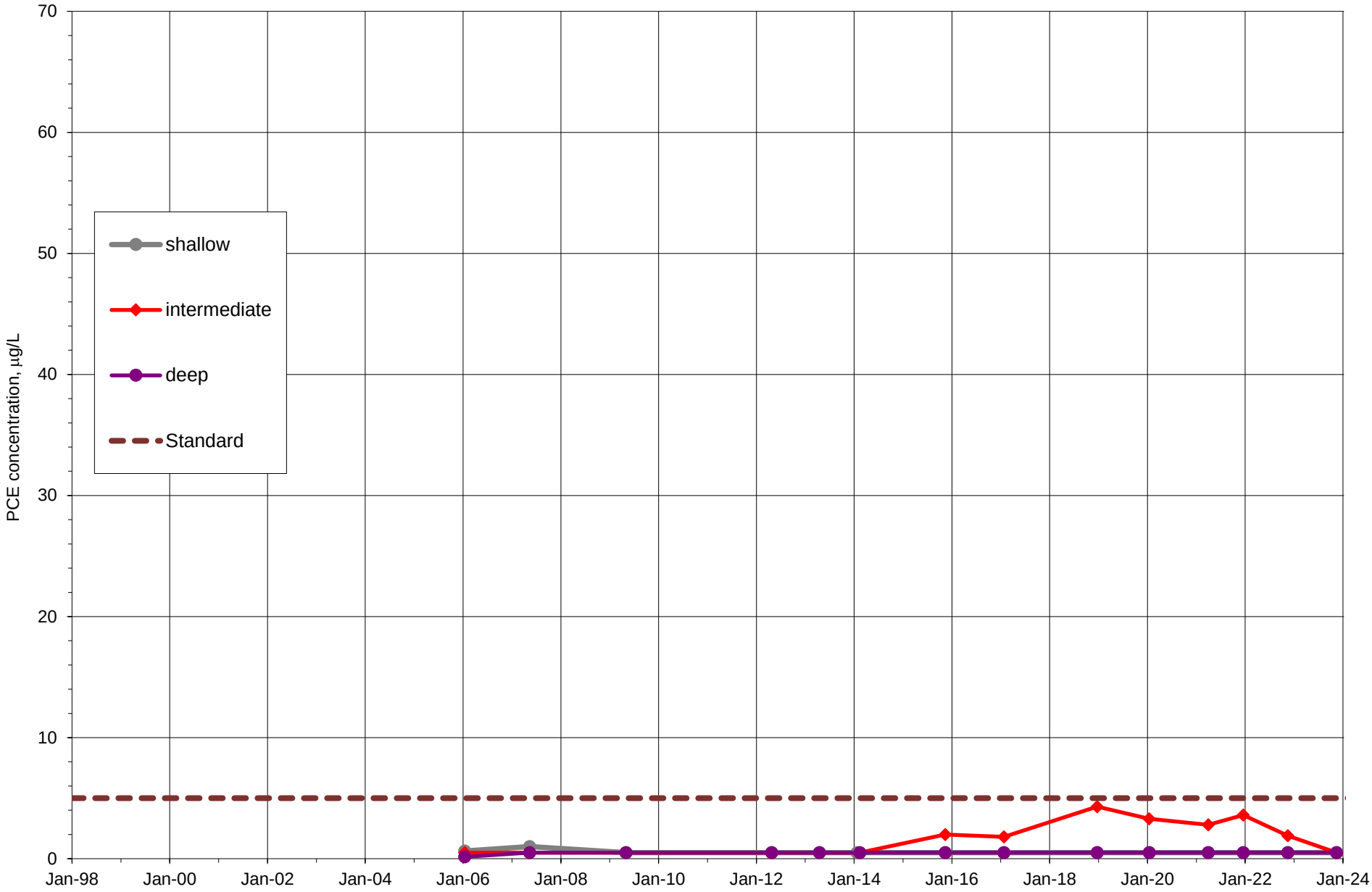


Figure D7. Graph of GWMW-11(S,I,D) (shallow, intermediate, and deep) observed PCE concentrations, Griggs and Walnut site.

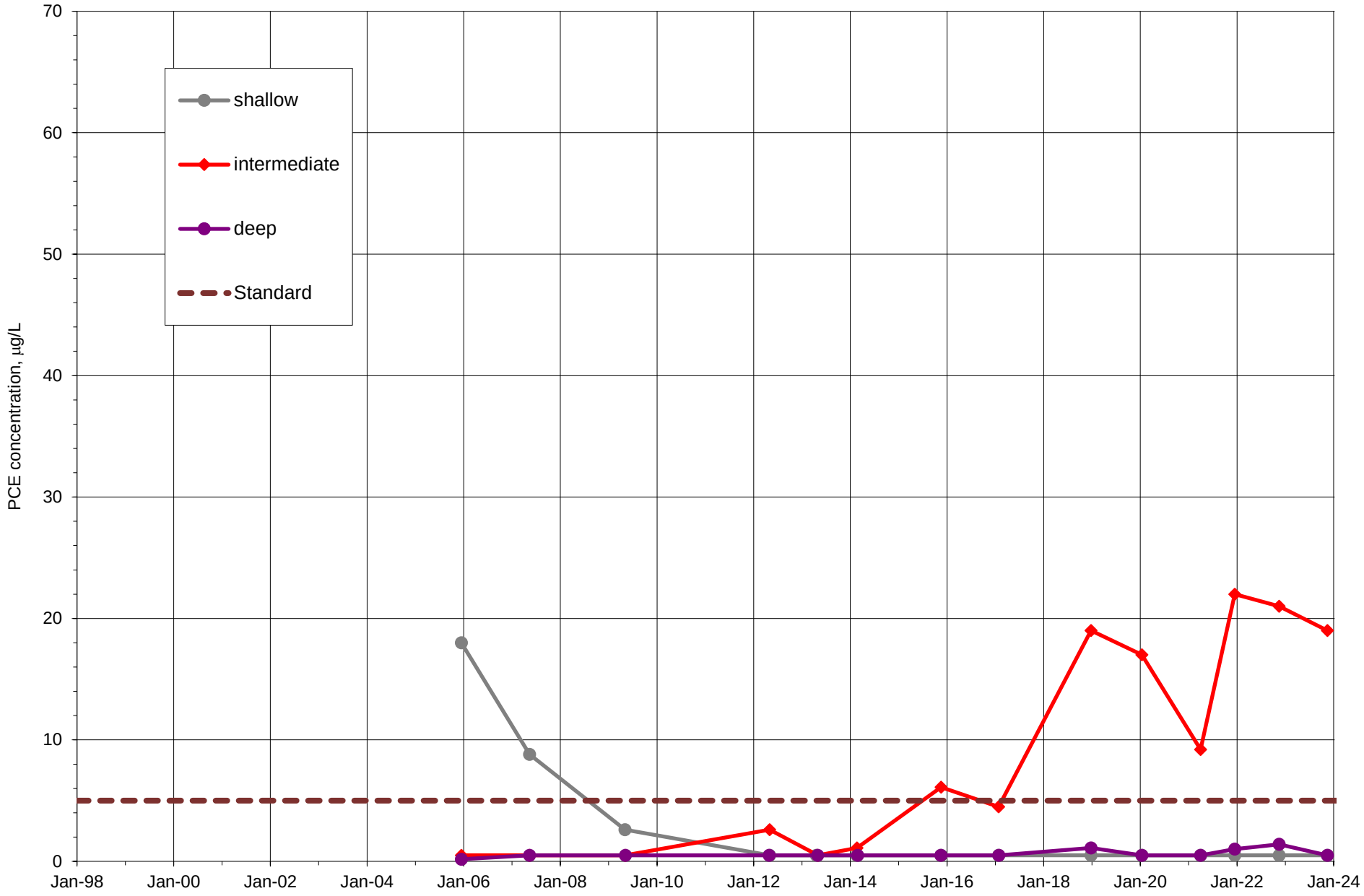


Figure D8. Graph of GWMW-15(S,I,D) (shallow, intermediate, and deep) observed PCE concentrations, Griggs and Walnut site.

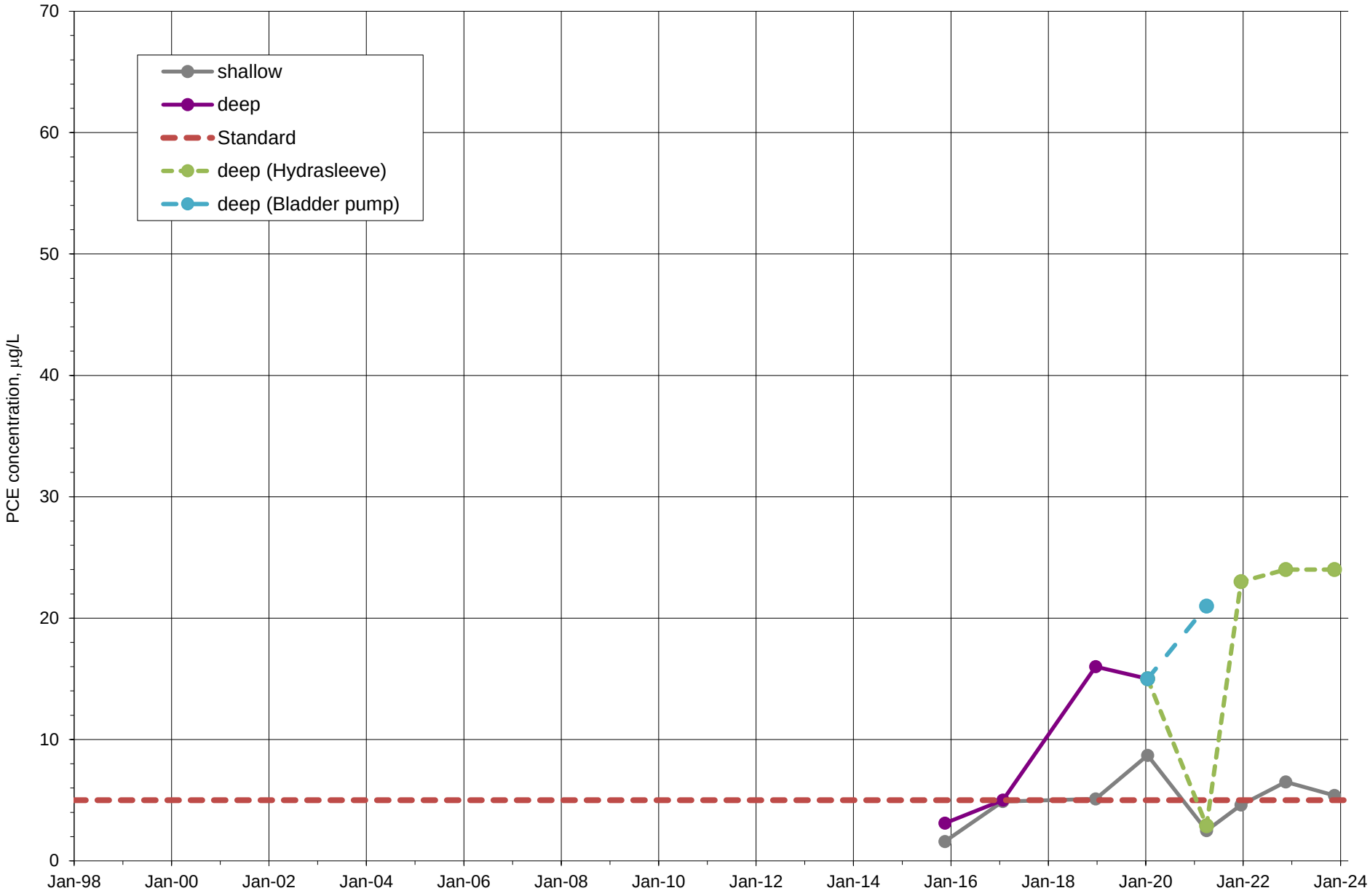


Figure D9. Graph of GWMW-16(S,D) (shallow and deep) observed PCE concentrations, Griggs and Walnut site.

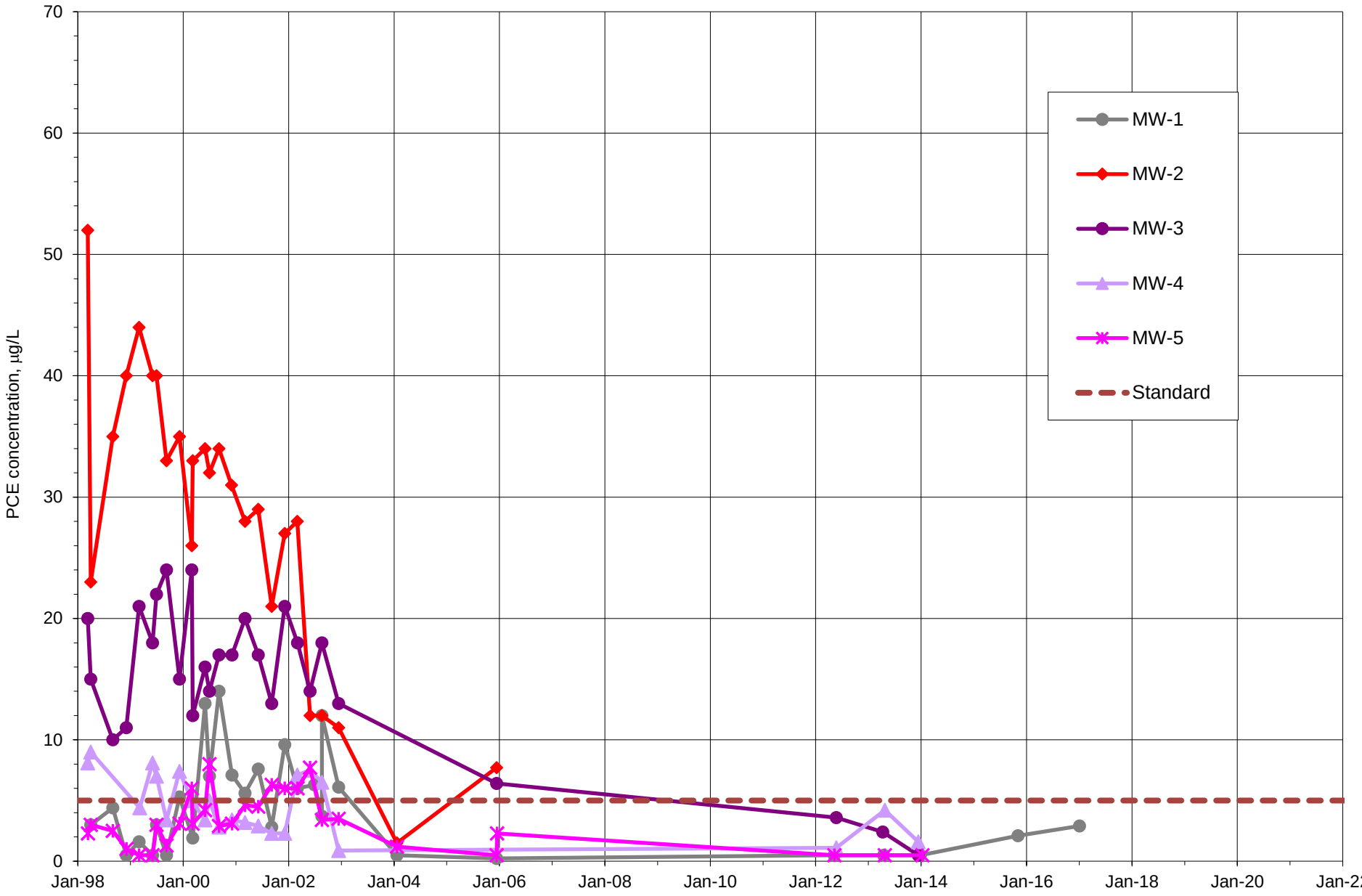


Figure D10. Graph of DACTD Monitoring Wells (PTSB) MW-1 through MW-5 observed PCE concentrations, Griggs and Walnut site.

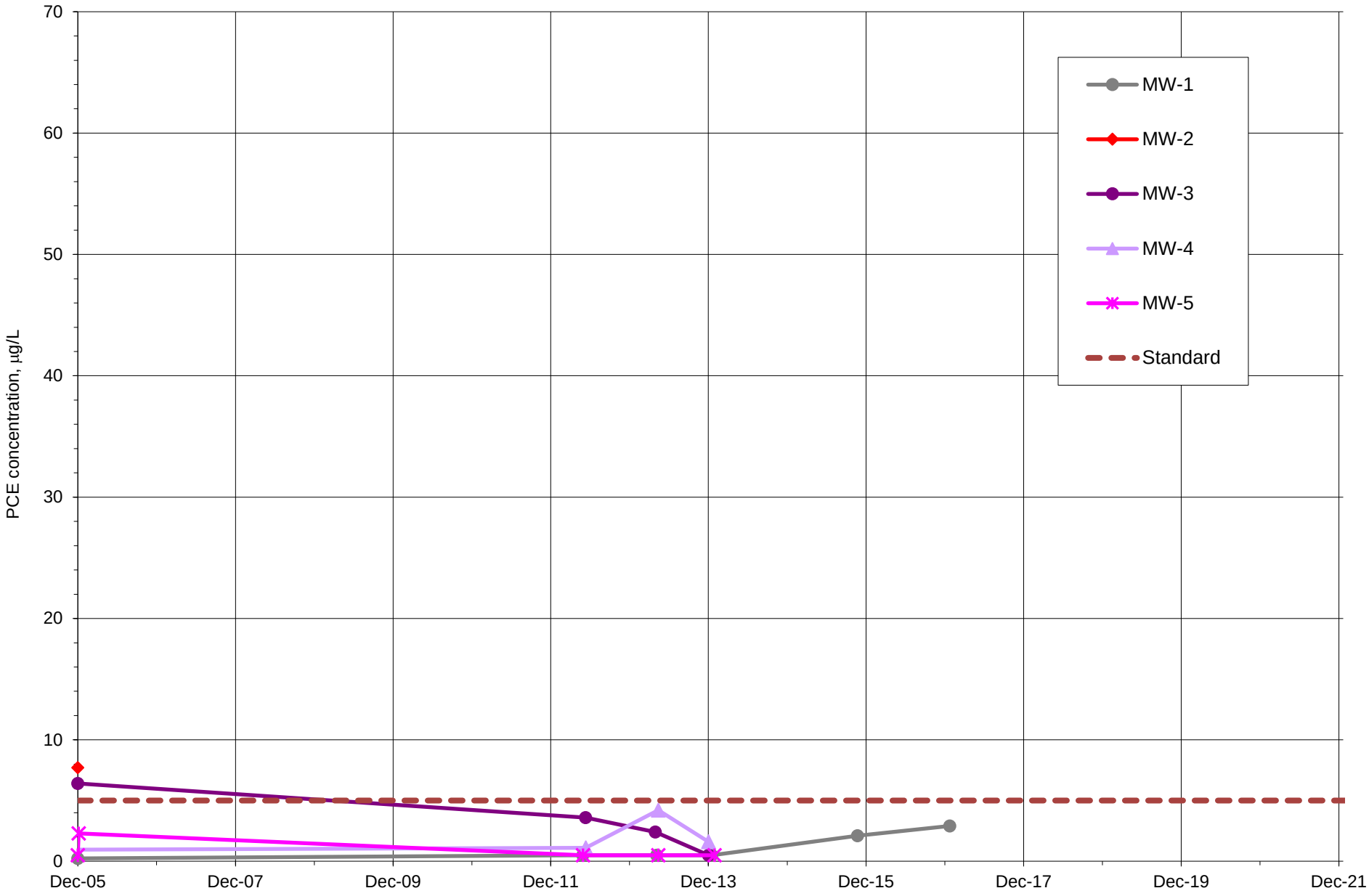


Figure D10a. Graph of DACTD Monitoring Wells (PTSB) MW-1 through MW-5 observed PCE concentrations, Griggs and Walnut site.

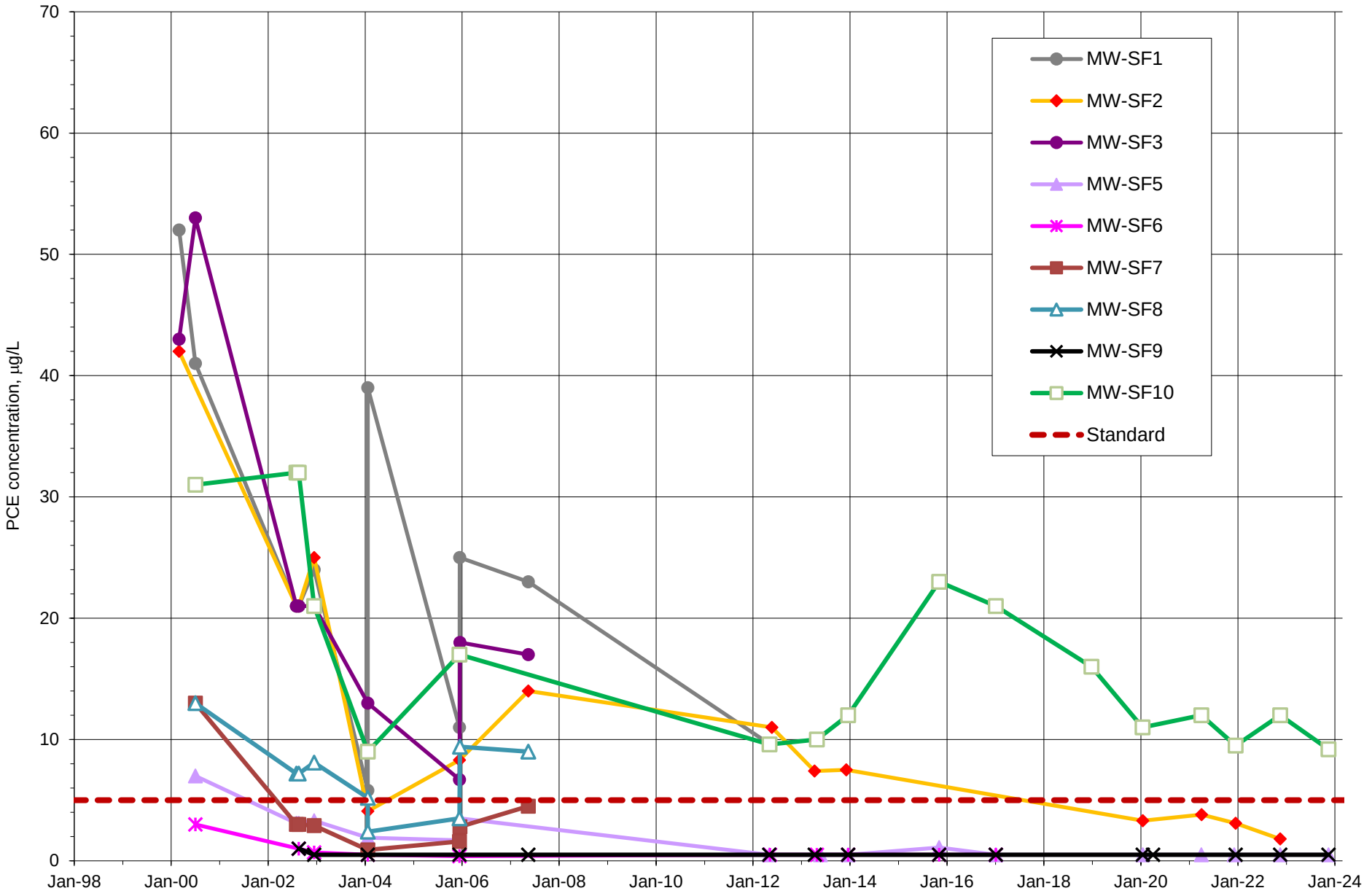


Figure D11. Graph of observed PCE concentrations for selected MW-SF-series monitor wells, Griggs and Walnut site.

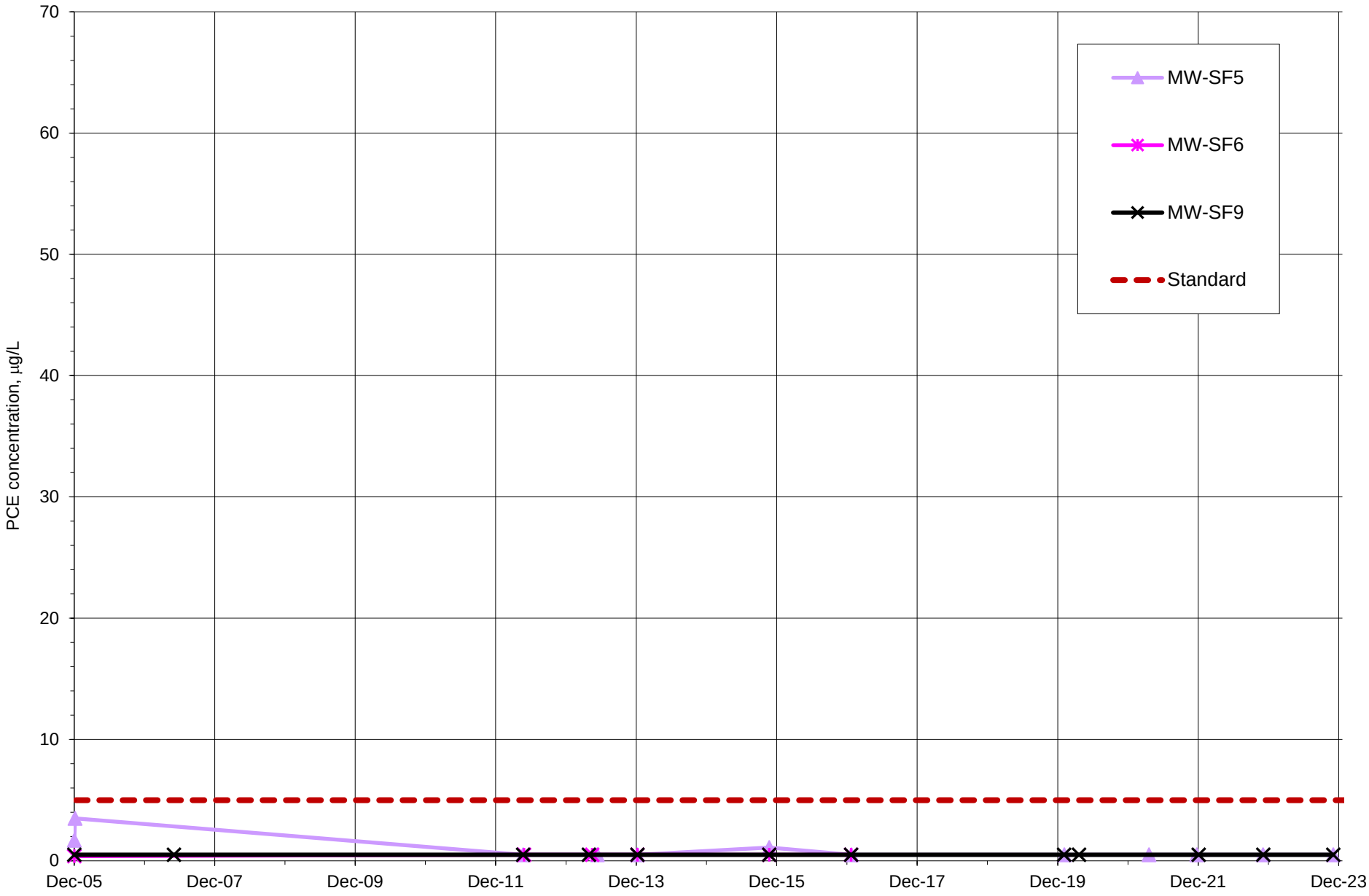


Figure D12. Graph of observed PCE concentrations for selected MW-SF5, MW-SF6, and MW-SF9 monitor wells, Griggs and Walnut site.

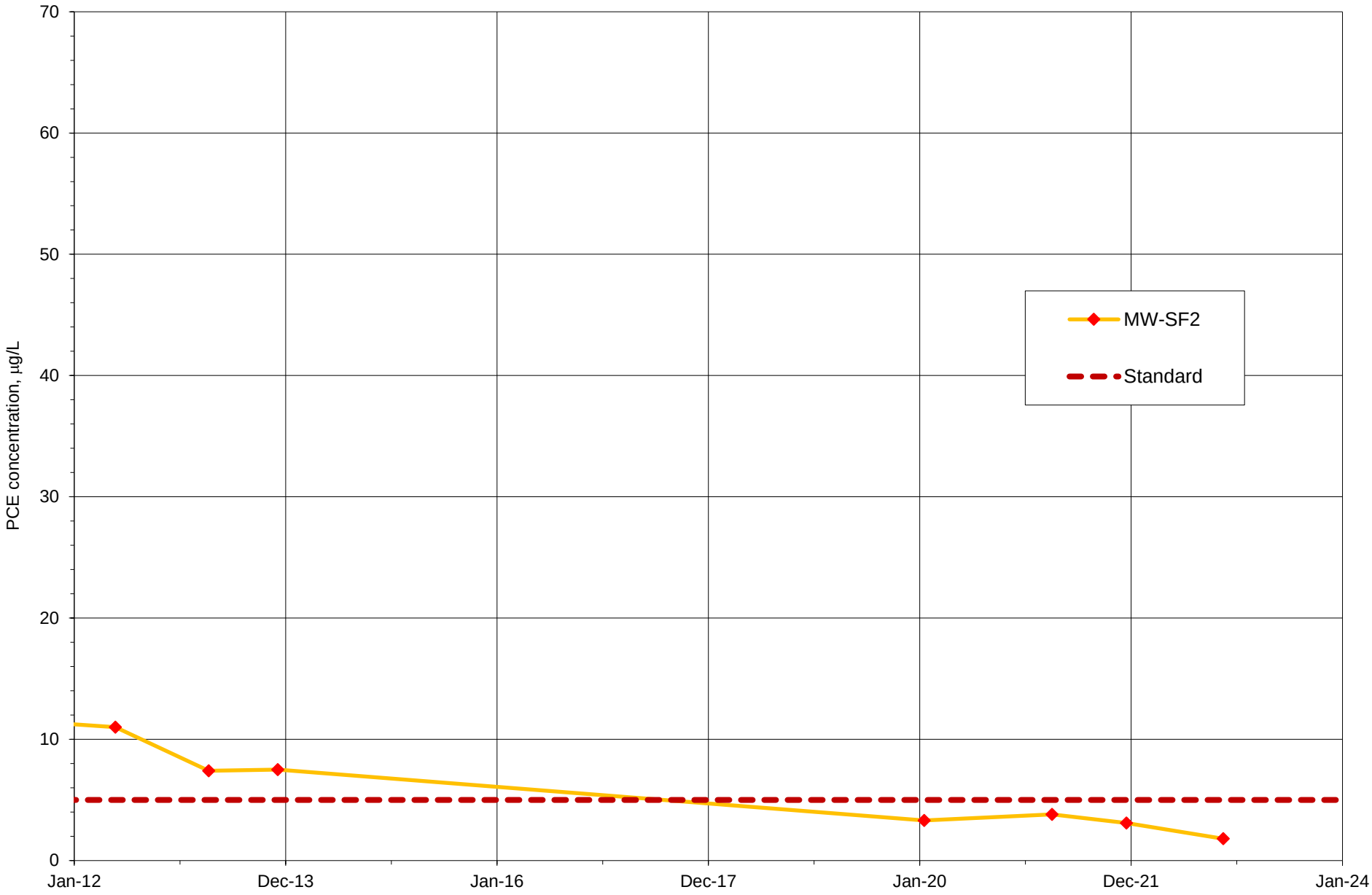


Figure D13. Graph of observed PCE concentrations for MW-SF2 monitor well, Griggs and Walnut site.

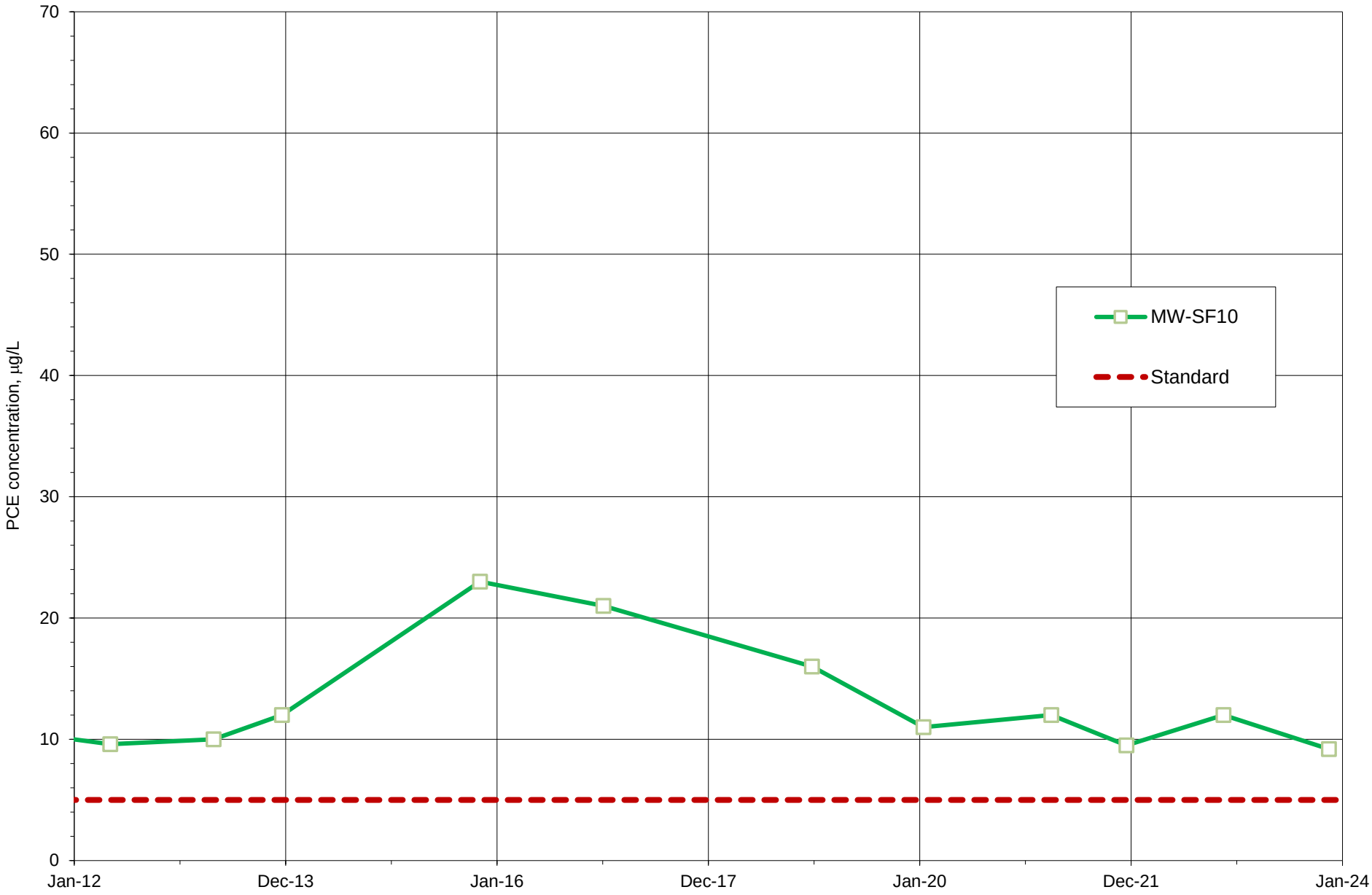


Figure D14. Graph of observed PCE concentrations for MW-SF10 monitor well, Griggs and Walnut site.

Appendix E.

Griggs and Walnut Site time-series model-calibration graphs

Appendix E.

Figure E1. Graph of City of Las Cruces Well 18 observed and model-simulated water levels, Griggs and Walnut site.

Figure E2. Graph of City of Las Cruces Well 27 observed and model-simulated water levels, Griggs and Walnut site.

Figure E3. Graph of City of Las Cruces Well 18 and Well 27 observed and model-simulated water levels, Griggs and Walnut site.

Figure E4. Graph of GWMW-11 (shallow, intermediate, and deep) observed and model-simulated water levels, Griggs and Walnut site.

Figure E5. Graph of GWMW-15 (shallow, intermediate, and deep) observed and model-simulated water levels, Griggs and Walnut site.

Figure E6. Graph of MW-1 through MW-5 observed and model simulated water levels, Griggs and Walnut site.

Figure E7. Graph of MW-SF1 through MW-SF10 observed and model-simulated water levels, Griggs and Walnut site.

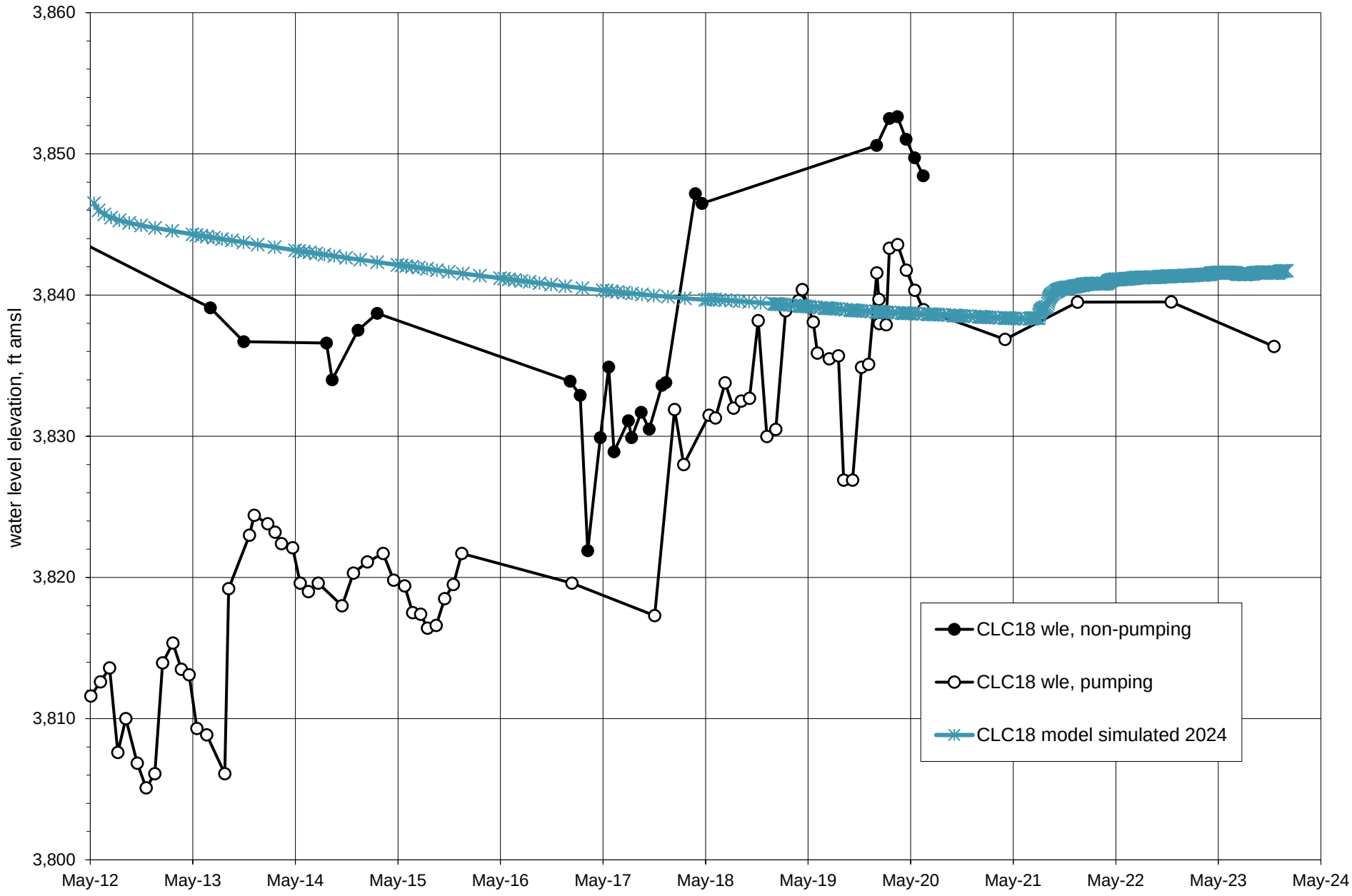


Figure E1. Graph of City of Las Cruces Well 18 observed and model-simulated water levels, Griggs and Walnut site.

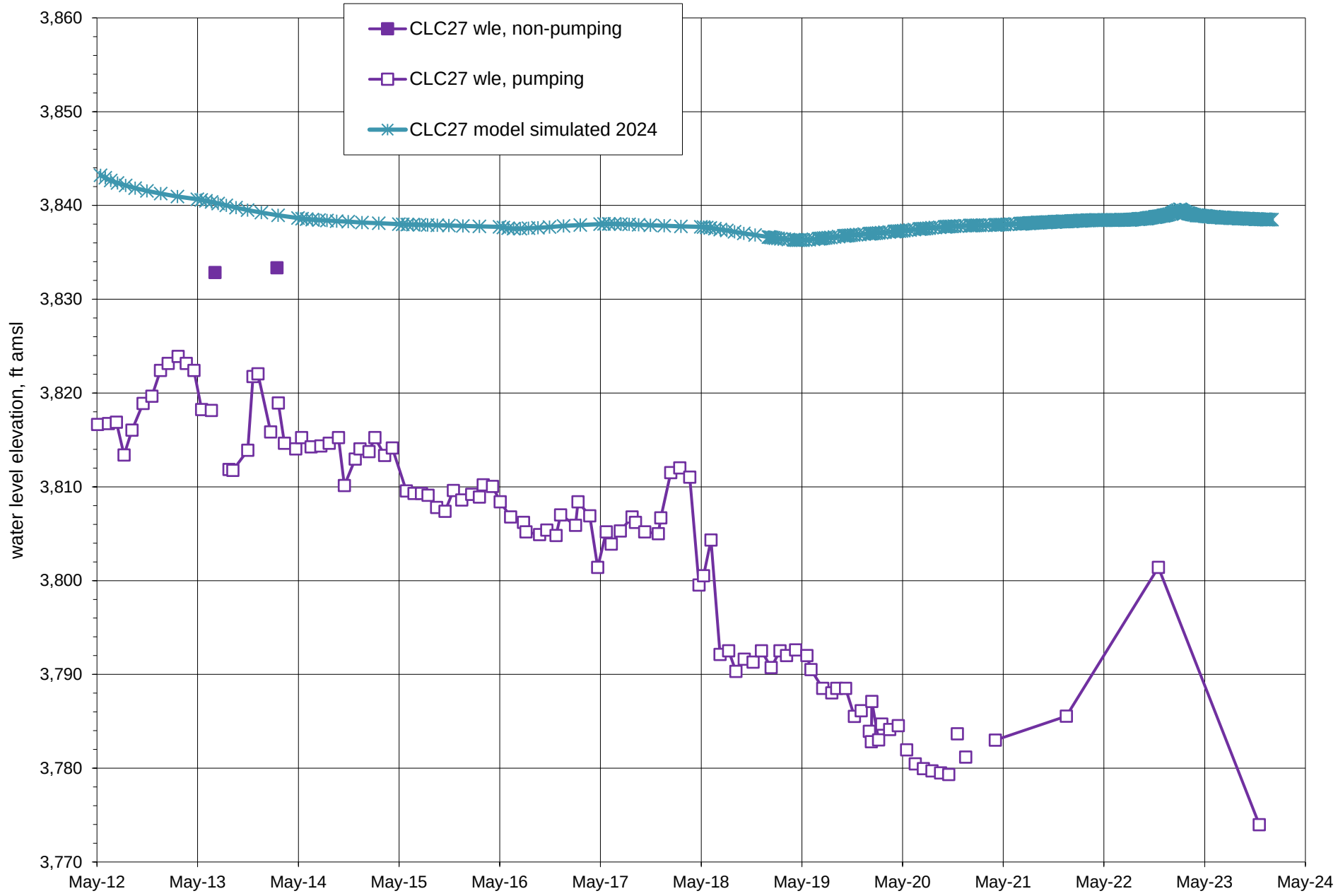


Figure E2. Graph of City of Las Cruces Well 27 observed and model-simulated water levels, Griggs and Walnut site.

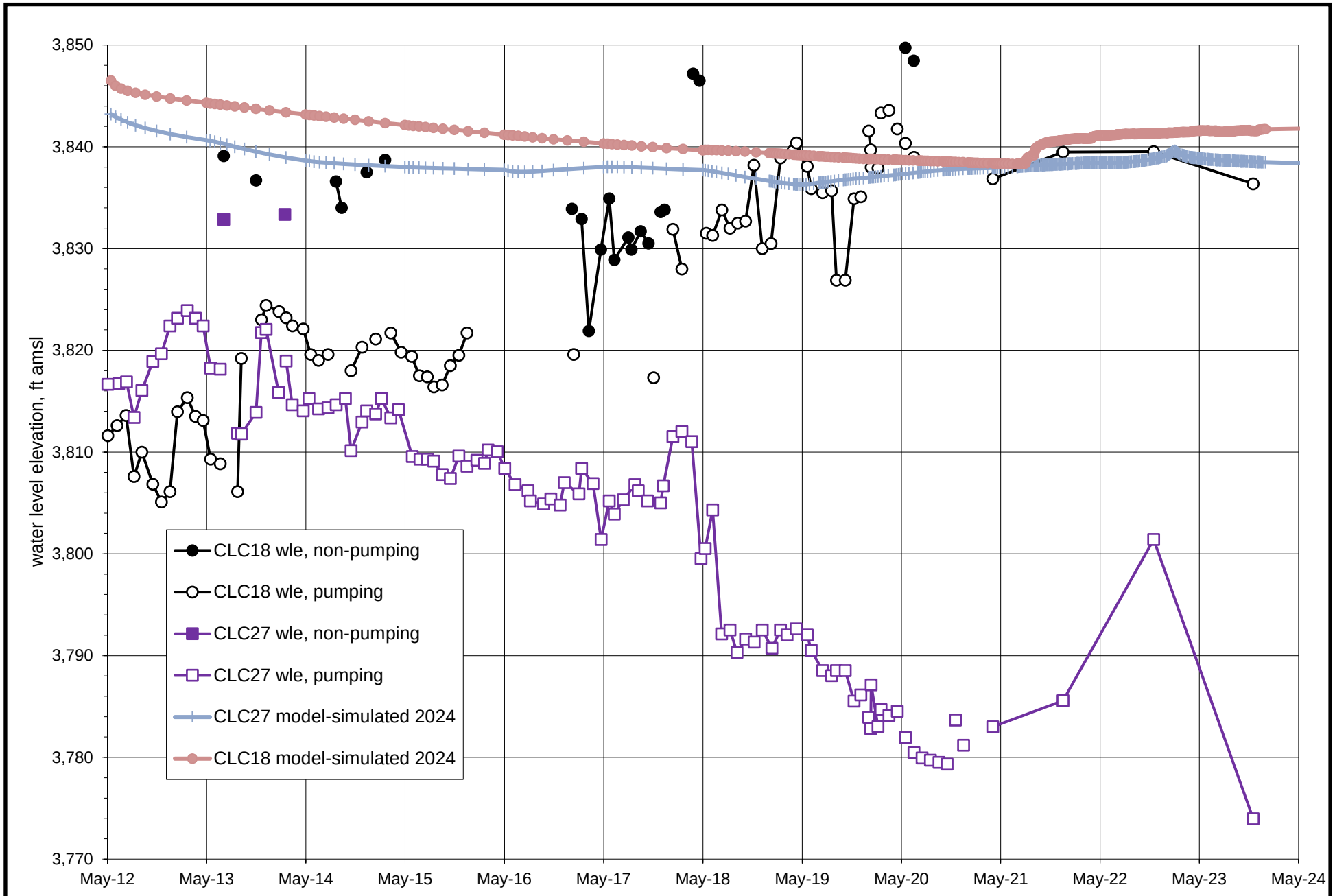


Figure E3. Graph of City of Las Cruces Well 18 and Well 27 observed and model-simulated water levels, Griggs and Walnut site.

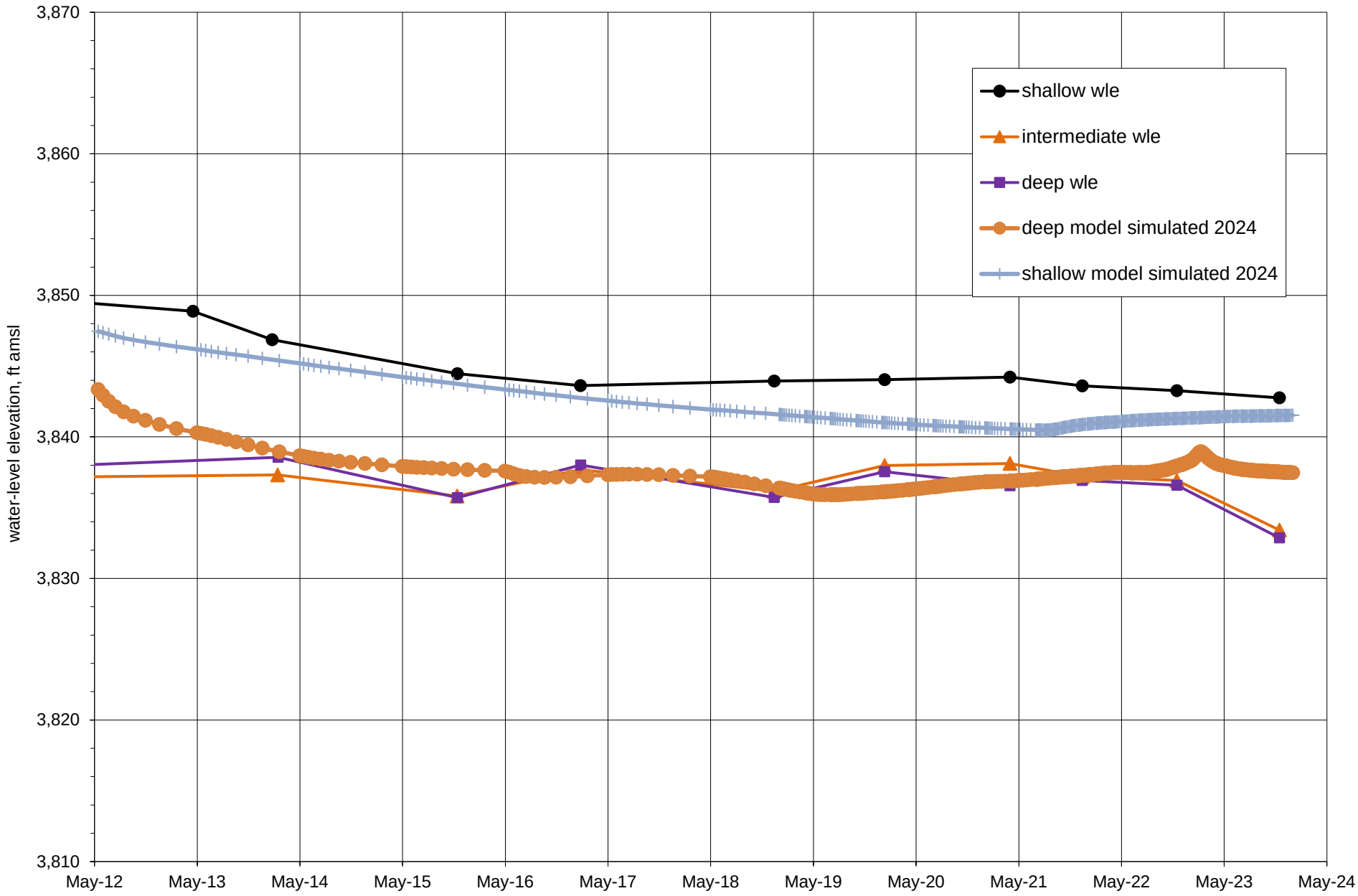


Figure E4. Graph of GWMW11 (shallow, intermediate, and deep) observed and model-simulated water levels, Griggs and Walnut site.

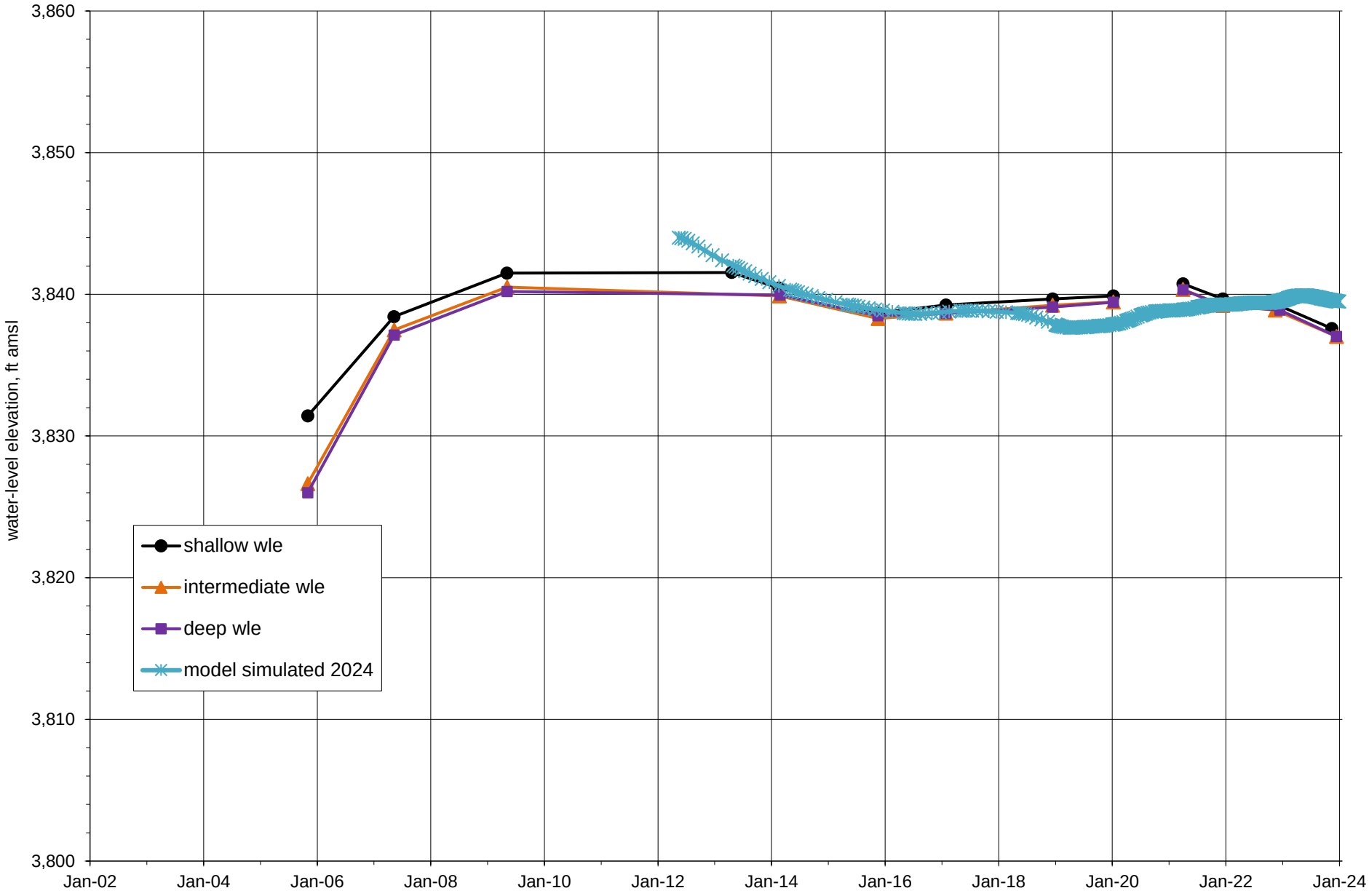


Figure E5. Graph of GWMW15 (shallow, intermediate, and deep) observed and model-simulated water levels, Griggs and Walnut site.

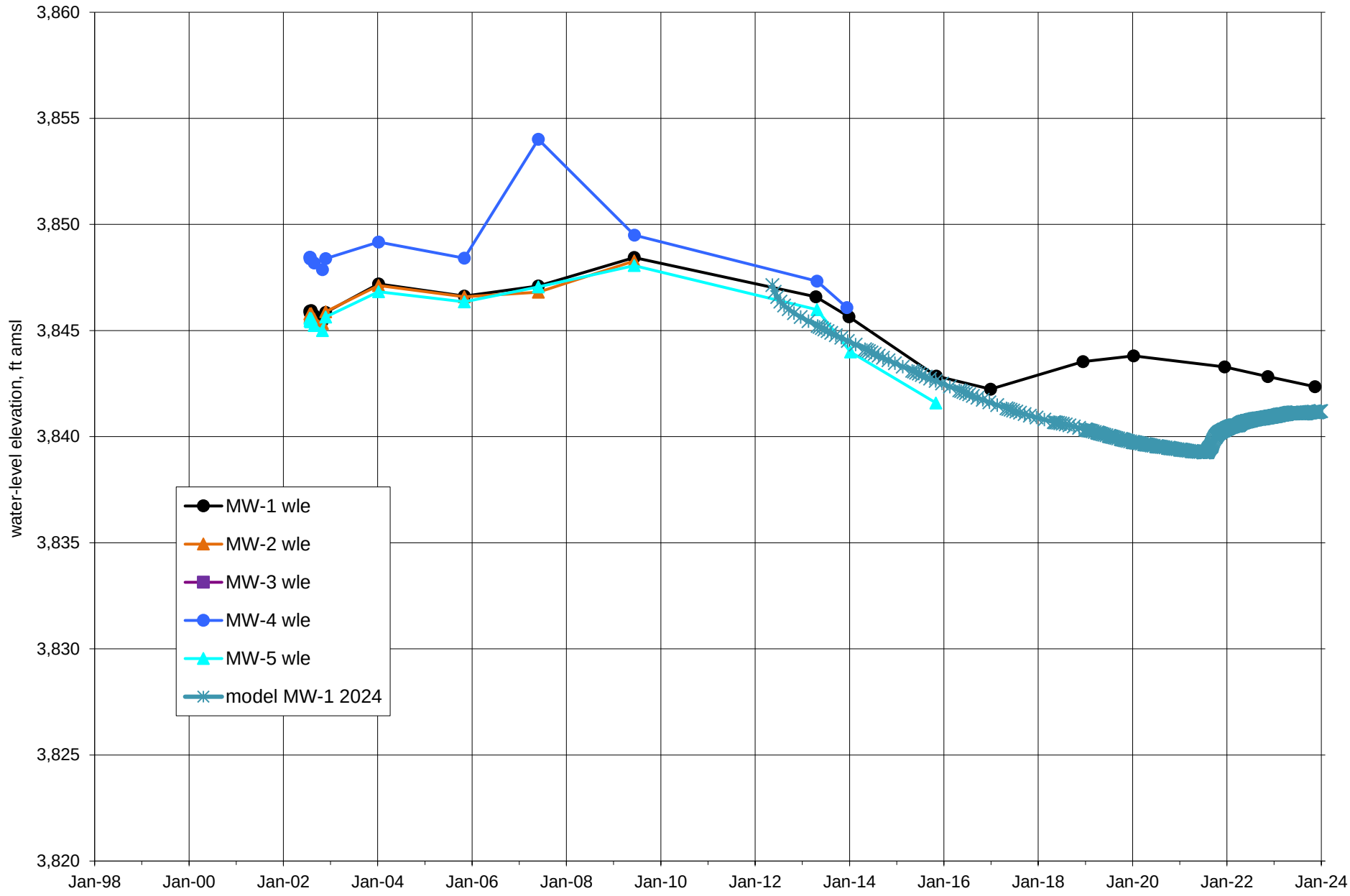


Figure E6. Graph of MW-1 through MW-5 observed and model simulated water levels, Griggs and Walnut site.

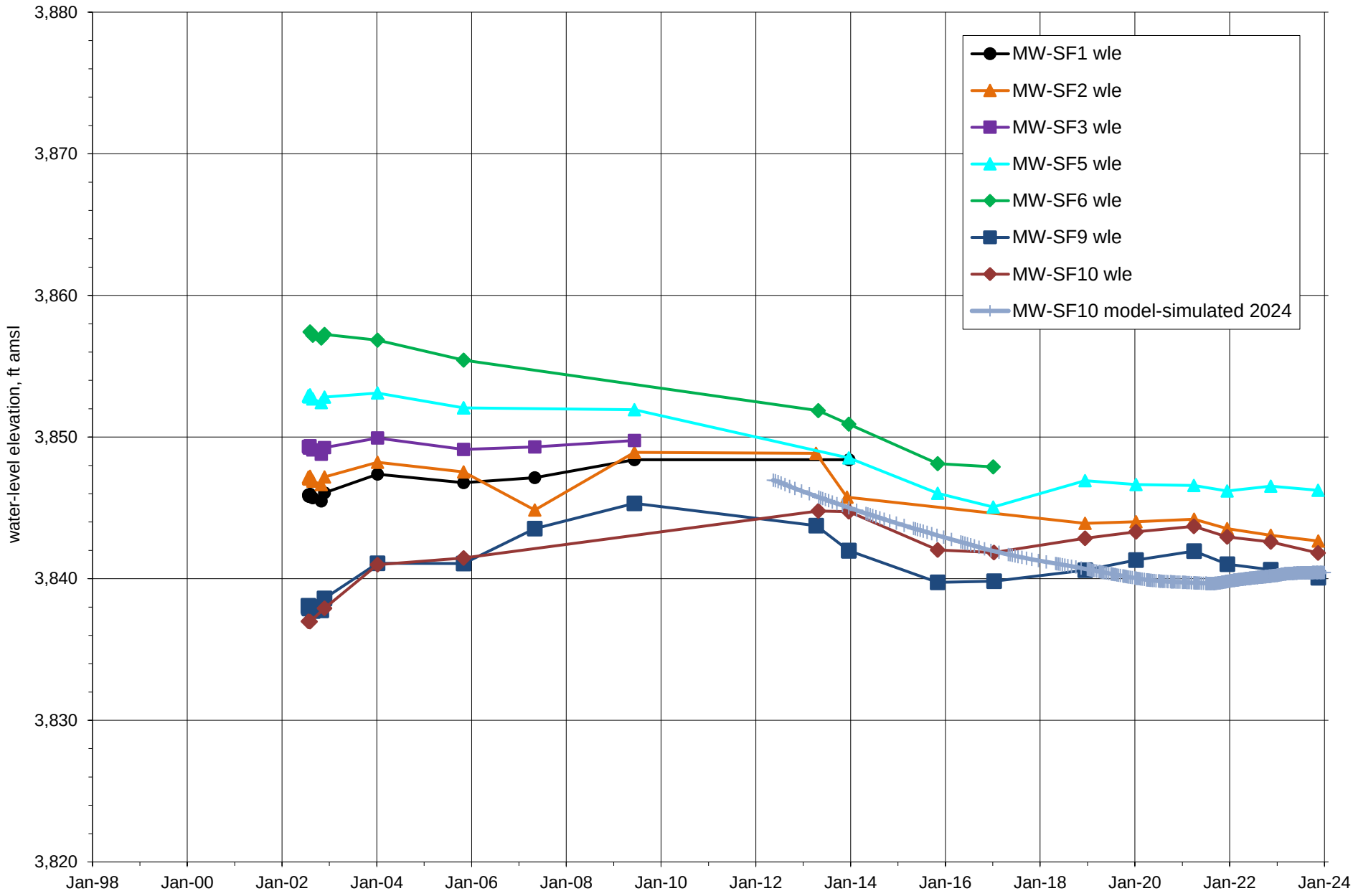


Figure E7. Graph of MW-SF1 through MW-SF10 observed and model-simulated water levels, Griggs and Walnut site.

Appendix B

Groundwater Remediation Optimization Report

DBS&A
a Geo-Logic Company

JULY 2024
REVISED OCTOBER 2024

CALENDAR YEAR 2023

OPTIMIZATION ASSESSMENT REPORT

GRIGGS AND WALNUT GROUNDWATER PLUME SUPERFUND SITE

LAS CRUCES, NEW MEXICO

prepared for





DBS&A
a Geo-Logic Company

JSAI
JOHN SHOMAKER & ASSOCIATES, INC.
WATER-RESOURCE AND ENVIRONMENTAL CONSULTANTS
ALBUQUERQUE, NM * www.shomaker.com * 505-345-3407

CALENDAR YEAR 2023
OPTIMIZATION ASSESSMENT REPORT
GRIGGS AND WALNUT
GROUNDWATER PLUME SUPERFUND SITE
LAS CRUCES, NEW MEXICO

prepared by

Steven T. Finch, Jr., CPG, PG
JOHN SHOMAKER & ASSOCIATES, INC.
Water-Resource and Environmental Consultants
2611 Broadbent Parkway NE
Albuquerque, New Mexico 87107
505-345-3407
www.shomaker.com

prepared for

Daniel B. Stephens & Associates, Inc.
Albuquerque, New Mexico

City of Las Cruces
New Mexico

and

Doña Ana County
New Mexico

July 29, 2024
Revised October 16, 2024

CALENDAR YEAR 2023 OPTIMIZATION ASSESSMENT REPORT GRIGGS AND WALNUT GROUNDWATER PLUME SUPERFUND SITE, LAS CRUCES, NEW MEXICO

EXECUTIVE SUMMARY

The purpose of the annual performance evaluation and optimization assessment of Griggs and Walnut Site groundwater extraction wells is to assess whether operation of the extraction and treatment system is making adequate progress toward achieving the Remedial Action Objectives and Remedial Goals, and to ensure the Joint Superfund Project (JSP) is removing the mass of contaminants in the aquifer in an effective manner, each year, as part of the Operation and Maintenance reporting requirements specified in the Statement of Work (EPA, 2020).

The last several years of Griggs and Walnut capture pumping and data collection have provided evidence that the plume is decreasing in mass and remedial progress is being made. The sampling events from the monitoring network have also confirmed that the plume is decreasing in mass and remedial progress is being made. The capture efficiency for extraction well CLC 18 was optimized to capture the Shallow Zone plume. Tetrachloroethene (PCE) concentrations from CLC 18 have consistently shown a decreasing trend in captured plume concentration, along with monitoring from the Shallow Zone showing declining PCE concentrations. PCE concentrations from CLC 27 have been relatively consistent (12 to 18 micrograms per liter; µg/L) as the pumping is maintained at rates greater than 200 gallons per minute (gpm).

As a result of optimization, CLC 18 was operated from 2014 to August 2021 based on the recommended pumping schedule (Fig. 2). The target capture zone for CLC 18 is the Shallow Zone PCE plume in the vicinity of CLC 18. As of August 2021, extraction well CLC 18 had entirely removed the Shallow Zone PCE plume around CLC 18. In 2022, it was recommended to discontinue pumping from CLC 18 if PCE concentrations remained below 5 µg/L with no increased trend in concentrations. The 2023 CLC 18 data resulted in continued decrease in PCE concentrations below 5 µg/L. It is recommended to discontinue pumping extraction Well CLC 18.

The majority of the PCE plume mass is in an area where the Shallow, Intermediate, and Deep Zones are hydraulically connected and the PCE plume is captured by extraction well CLC 27. The highest 2023 PCE concentration detected in the monitoring network was 30 µg/L at GWMW-10(I). During 2023, CLC 27 PCE concentrations averaged 14.6 µg/L, which appears to be representative of the average for the primary plume mass, thereby indicating optimized extraction of plume mass. CLC 27 is able to accommodate an increased pumping rate if needed for containment and capture of the PCE plume. No additional extraction wells are needed for containment and capture of the PCE plume.

The updated groundwater modeling predicts the extraction system capturing sufficient PCE to reach the remediation goals within the 14-year time period. With relatively constant PCE concentrations and pumping, CLC 27 is well suited for plume containment, capture, and cleanup within the remaining time period. Based on the assessment of 2023 operational data, John Shomaker & Associates, Inc. (JSAI) recommends maintaining an average pumping rate of 230 gpm or greater from CLC 27, and to discontinue pumping from CLC 18.

CONTENTS

page

EXECUTIVE SUMMARY ii

1.0 INTRODUCTION 1

1.1 Background 1

1.2 Purpose 1

2.0 EXTRACTION WELL PERFORMANCE 2

2.1 CLC 18 3

2.1.1 Operational Constraints 4

2.1.2 Performance Evaluation 4

2.2 CLC 27 6

2.2.1 Operational Constraints 6

2.2.2 Performance Evaluation 6

3.0 PCE MASS REMOVAL RATES 8

3.1 CLC 18 PCE Mass Removal Rate 8

3.2 CLC 27 PCE Mass Removal Rate 12

4.0 TMR NUMERICAL MODEL 12

4.1 Plume Containment Analysis 12

4.2 Plume Capture Analysis 13

4.3 Optimization Assessment 14

5.0 EFFECTIVENESS OF EXTRACTION WELLS 15

5.1 Remedial Objectives 15

5.2 Remedial Goals 16

6.0 SUMMARY OF FINDINGS 17

7.0 RECOMMENDATIONS 18

8.0 REFERENCES 19

TABLES

page

Table 1. Summary of PCE concentrations observed in extraction wells CLC 18 and CLC 27 5

Table 2. Calculated extraction well CLC 27 pumping water level in 2034 for a given pumping rate 7

Table 3. Summary of calculated monthly PCE mass removal rate from extraction wells CLC 18 and CLC 27 9

Table 4. Summary of annual PCE mass removal from extraction wells CLC 18 and CLC 27 for years 2017 through 2023 11

ILLUSTRATIONS

(follow text)

Figure 1. Aerial photograph of the Griggs and Walnut Site showing monitoring network, City of Las Cruces, New Mexico.

Figure 2. Graph showing PCE concentrations and pumping versus time for CLC 18, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 3. Graph showing PCE concentrations and pumping versus time for CLC 27, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 4. Hydrogeologic cross-section between CLC 18 and GWMW-01 showing well completion details and distribution of November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 5. Hydrogeologic cross-section between CLC 27 and GWMW-10 showing well completion details and distribution of November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 6. Graph showing non-pumping and pumping water levels for extraction well CLC 18, Griggs and Walnut Site, Las Cruces, New Mexico

Figure 7. Graph showing non-pumping and pumping water levels for extraction well CLC 27, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 8. Graph of extraction well CLC 18 monthly pumping from 2017 through 2023, and PCE mass removal rate, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 9. Graph of extraction well CLC 27 monthly pumping from 2017 through 2023, and PCE mass removal rate, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 10. Bar graph of model-simulated annual pumping from 2012 to current, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 11. Map showing November 2023 Shallow, Intermediate, and Deep PCE plumes and Model Layer 3 hydraulic conductivity zones, Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 12. Map showing November 2023 PCE plume and Model Layer 1 (Shallow Zone) 2032 simulated heads and 10-year particle tracking (2022 to 2032), Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 13. Map showing November 2023 PCE plume and Model Layer 2 (Intermediate Zone) 2032 simulated heads and 10-year particle tracking (2022 to 2032), Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 14. Map showing November 2023 PCE plume and Model Layer 3 (Deep Zone) 2032 simulated heads and 10-year particle tracking (2022 to 2032), Griggs and Walnut Site, Las Cruces, New Mexico.

Figure 15. Illustrated cross-section showing model-simulated particle tracking for Layers 1, 2, and 3, Griggs and Walnut Site, Las Cruces, New Mexico

ABBREVIATIONS

ac-ft/yr	acre-feet per year
amsl	above mean sea level
CLC	City of Las Cruces
DBS&A	Daniel B. Stephens & Associates, Inc.
EPA	Environmental Protection Agency
ft bgl	feet below ground level
gpm	gallons per minute
gpm/ft	gallons per minute per feet of drawdown
JSAI	John Shomaker & Associates, Inc.
JSP	Joint Superfund Project
LCU	Las Cruces Utilities
LHZ	Lower Hydrogeologic Zone (Intermediate and Deep Zones)
kg	kilograms
MCL	maximum contaminant level
ME	mean error
PCE	tetrachloroethene
Q/s	specific capacity
RI/FS	EPA Remedial Investigation and Feasibility Study
RAO	Remedial Action Objective(s)
ROD	Record of Decision
SOW	Statement of Work
TMR	telescope mesh refinement
UHZ	Upper Hydrogeologic Zone (Shallow Zone)
µg/L	micrograms per liter

CALENDAR YEAR 2023 OPTIMIZATION ASSESSMENT REPORT, GRIGGS AND WALNUT GROUNDWATER PLUME SUPERFUND SITE, LAS CRUCES, NEW MEXICO

1.0 INTRODUCTION

John Shomaker & Associates, Inc. (JSAI) was subcontracted by Daniel B. Stephens & Associates, Inc. (DBS&A) to assist with the assessment of the Griggs and Walnut tetrachloroethene (PCE) plume ("the Site"), and the efficiency of the associated pump and treat system. This analysis was conducted for the Griggs and Walnut Joint Superfund Project (JSP), which consists of Doña Ana County and the City of Las Cruces (CLC). The primary project goals were to evaluate calendar year 2023 remedial progress and plume extraction well optimization. The Griggs and Walnut Site area is presented in Figure 1.

1.1 Background

The United States Environmental Protection Agency (EPA) Record of Decision (ROD) for the Griggs and Walnut Superfund Site was issued in 2007, and was based on implementation of an extraction and treatment system that would remediate the PCE plume in a 14-year time period. The PCE plume is defined by concentrations greater than 5 µg/L. The EPA approved the remedial design in 2010. The Griggs and Walnut pump-and-treat system began operation during September 2012, and it has been operated nearly continuously for the last 10 years. As defined in EPA (2020) Statement of Work (SOW), the remediation goals are to be measured 14 years from the Effective Date of the SOW (July 30, 2020 to June 7, 2034).

The SOW requires an annual evaluation of the groundwater monitoring program and an annual optimization assessment of the extraction wells. This annual optimization assessment of the extraction wells is part of the Pre-Achievement Operation and Maintenance requirements defined in the SOW (EPA, 2020). The annual optimization assessment of the extraction wells is to be performed until the Remedial Action Objectives and Remedial Goals are attained. Past annual optimization reports by JSAI are summarized in this report.

1.2 Purpose

The purpose of the annual performance evaluation and optimization assessment of Site groundwater extraction wells is to assess whether operation of the extraction and treatment system is making adequate progress toward achieving the Remedial Action Objectives and Remedial Goals, and to ensure the JSP is removing the mass of contaminants in the aquifer in an effective manner each year as part of the Operation and Maintenance reporting requirements specified in the SOW (EPA, 2020).

2.0 EXTRACTION WELL PERFORMANCE

Extraction wells CLC 18 and CLC 27 are former municipal wells converted into remedial extraction wells. As part of the remedial design, CLC 18 and CLC 27 were modified in 2010 by partial plugback of the lower screen sections so that pumping would focus on removal of the plume mass observed in the upper screen sections (JSAI, 2011).

The extraction well performance evaluation and optimization assessment uses the current definition of the Site conceptual model hydrogeologic zones and corresponding elevations (DBS&A, 2021), which is as follows:

- Shallow Zone wells: screened-interval elevation range 3,800 to 3,850 ft above mean sea level (amsl), formerly referred to as the Upper Hydrogeologic Zone (UHZ)
- Intermediate Zone wells: screened-interval elevation range 3,685 to 3,800 ft amsl, formerly referred to as the upper portion of the Lower Hydrogeologic Zone (LHZ)
- Deep Zone wells: screened-interval elevation range 3,475 to 3,685 ft amsl, formerly referred to as the lower portion of the LHZ

Time-series graphs of PCE concentrations and pumping rates from CLC 18 and CLC 27 are presented as Figures 2 and 3, respectively. CLC 18 was actively pumped and water was blended with municipal supply until 1998 (Fig. 2), and CLC 27 was actively pumped for municipal supply until 2003 when PCE concentrations started to increase above the maximum contaminant level (MCL) of 5 micrograms per liter (µg/L) for drinking water (Fig. 3). Between the timing of the EPA Remedial Investigation and Feasibility Study (RI/FS) and remedial design (2003 and 2012), CLC 18 and CLC 27 were used for plume containment until the remediation treatment system was in place. Groundwater pumped for containment was discharged to the sewer system. Plume extraction by pumping CLC 18 and CLC 27 has specifically been a component of Remedial Action occurring from 2012 to present (Figs. 2 and 3). The target capture zone for CLC 18 is the Shallow Zone PCE plume (Fig. 4), and the target capture zone for CLC 27 is the Intermediate and Deep Zone PCE plume where the intervening clay layer is present, and the Shallow, Intermediate, and Deep Zones where the clay layer is absent (Fig. 5).

2.1 CLC 18

After system start-up, during the 4th quarter of 2012, CLC 18 yielded lower-than-expected PCE concentrations. PCE concentrations in water produced from CLC 18 decreased from 70 µg/L to 2.3 µg/L between April and December 2012 (Fig. 2).

In 2013, JSAI reviewed the daily meter readings and the PCE concentration trends and performed diagnostic pumping tests in CLC 18. It was determined that PCE concentrations from CLC 18 are influenced by well hydraulics, and the CLC 18 pumping rate and pumping schedule. Through testing, it was determined that the higher-PCE groundwater at CLC 18 originated from the Shallow Zone, which recharges the Intermediate and Deep Zones by downward flow through the gravel pack when CLC 18 is not pumping. Under active pumping conditions, CLC 18 captures high-PCE groundwater that drained from the Shallow Zone to the Intermediate and Deep Zones via the gravel-packed annular space (Fig. 4). In the vicinity of CLC 18, the Shallow Zone has a much higher specific conductance than the Intermediate or Deep Zones. Use of the more frequently collected specific conductance measurements as a surrogate for the PCE plume in the Shallow Zone previously allowed the optimization of the CLC 18 pumping schedule to maximize capture from the Shallow Zone; however, because PCE concentrations have declined below the MCL over time, the specific conductance/PCE correlation is no longer present. It was determined through testing that the Deep Zone at CLC 18 did not contain PCE concentrations greater than 5 µg/L at that time.

Since 2016, groundwater produced by CLC 18 has shown a significant decline in PCE concentrations, similar to past results from the neighboring MW-series monitoring wells. CLC 18 PCE concentrations have been below 5 µg/L since June 2021 (Fig. 2). CLC 18 pumping has been reduced over the past several years as an attempt to limit pumping of clean background water and to increase capture of any remaining PCE mass.

Monitoring results from Shallow Zone wells (NGMW-01, -02, -03, MW-SF2, and MW-SF5) upgradient of CLC 18 have been non-detect, and provide evidence that PCE from the Shallow Zone will not rebound after CLC 18 pumping is discontinued for plume containment and capture. Detailed analysis of PCE data and CLC 18 pumping cycles demonstrates that the PCE plume is non-existent in the Intermediate and Deep Zones at CLC 18.

2.1.1 Operational Constraints

In 2014, JSAI recommended refinement of the pumping schedule for CLC 18 by implementing daily pumping cycles followed by recovery. This cyclic pumping was determined to be more effective for capture of the PCE plume in the Shallow Zone. Between 2013 and 2018, CLC 18 was operated by pumping at a rate of 170 gallons per minute (gpm) for 4 hrs/day, which averages about 28 gpm. During March 2018, the submersible pump was replaced, and the operating rate was reduced to 90 gpm with an 8 hrs/day pumping cycle, and averaged about 28 gpm as before.

CLC 18 had been operated at an average rate of about 28 gpm or 45 acre-feet per year (ac-ft/yr) (Fig. 2), but the pumping duration was reduced during August 2021 to optimize capture of the Shallow Zone, and reduced again for 2022.

Year 2023 sampling results from GWMW-01(I) indicate the PCE plume (>5 µg/L) in the Intermediate Zone is near CLC 18 (see Fig. 4). November 2023 samples indicate GWMW-01(I) PCE concentration increased since the November 2022 monitoring event. The intent is for the Intermediate Zone PCE plume at GWMW-01(I) to be primarily contained and captured by CLC 27. Sampling results indicated that continued pumping from CLC 18 interfered with the capture of the Intermediate Zone PCE plume by CLC 27 when pumping from CLC 27 declined due to pump failure in Fall and Winter of 2023. With the Shallow Zone PCE plume below 5 µg/L in the area of CLC 18, it will be important to discontinue CLC 18 pumping, and maintain CLC 27 as the primary extraction well for the Intermediate, and Deep Zones, and for the Shallow Zone where the clay layer is more permeable or absent to the east of CLC 18 and GWMW-16.

2.1.2 Performance Evaluation

Even with the optimized pumping schedule to maximize mass removal from the Shallow Zone, the PCE concentrations from CLC 18 have decreased as the plume has been remediated (Fig. 2; Table 1). The 2023 CLC 18 dataset indicates the PCE concentrations have maintained less than 5 µg/L PCE, and the PCE plume cleanup for the Shallow Zone in the vicinity of CLC 18 is complete. The 2023 monitoring network data show that the remaining Shallow Zone PCE plume is moving east of CLC 18 to GWMW-16 and MW-SF10 and into the CLC 27 cone of depression.

A hydrograph of CLC 18 transducer-recorded and hand-measured water levels is presented as Figure 6. With reduced pumping from CLC 18, water levels have remained fairly steady with a signature of seasonal trends due to regional pumping.

Table 1. Summary of PCE concentrations observed in extraction wells CLC 18 and CLC 27

year	extraction well CLC 18		extraction well CLC 27	
	average PCE concentration (µg/L)	range of PCE concentrations (µg/L)	average PCE concentration (µg/L)	range of PCE concentrations (µg/L)
2001 to 2006	13.2	1.5 to 50.0	3.9	1.8 to 7.9
2007 to 2011	9.6	1.8 to 46.0	4.7	2.2 to 6.9
2012	34.7	2.3 to 70.0	7.6	2.2 to 16.0
2013	7.9	2.2 to 44.0	12.5	9.8 to 14.0
2014	21.6	2.5 to 31.0	12.2	9.3 to 14.0
2015	14.6	9.6 to 26.0	13.3	12.0 to 15.0
2016	15.8	6.5 to 22.0	13.8	13.0 to 16.0
2017	12.4	11.0 to 15.0	14.0	13.0 to 16.0
2018	7.3	1.7 to 11.0	14.6	13.0 to 17.0
2019	7.2	5.9 to 7.7	15.0	13.0 to 17.0
2020 [a]	5.8	5.0 to 6.2	15.3	13.0 to 18.0
2021	4.6	3.9 to 5.3	13.4	12.0 to 16.0
2022	4.0	3.8 to 4.4	14.6	13.0 to 16.0
2023	3.3	2.5 to 4.4	14.6	13.0 to 17.0

[a] includes January 2021
PCE – tetrachloroethene
µg/L – micrograms per liter

2.2 CLC 27

At system startup during the 4th quarter of 2012, CLC 27 PCE concentrations were consistent with the average concentration observed within the plume in the Intermediate and Deep Zones. PCE concentrations in water extracted from CLC 27 remained fairly constant at about 12 µg/L during the first 2 years of system operation. From 2012 to 2015, the PCE concentration continued to slowly increase as the pumping rate was increased (Fig. 3; Table 1). CLC 27 PCE concentrations have been fairly stable since 2016 (Fig. 3) with PCE concentrations ranging from 12 to 18 µg/L. The highest PCE concentration detected in the 2023 monitoring network was 30 µg/L at GWMW-10(I), which is well within the CLC 27 capture zone.

CLC 27 is adequately capturing the PCE plume in the Intermediate and Deep Zones, as indicated by the cone of depression (JSAI, 2023). The 2023 PCE concentrations at CLC 27 represent the average concentration of the plume mass (approximately 17 µg/L), which is also an indication of efficient PCE plume capture.

2.2.1 Operational Constraints

From 2013 to 2017, the pumping rate from CLC 27 averaged 153 gpm (246 ac-ft/yr; Fig. 3). During March 2018, a replacement pump was installed, and the pumping rate was increased to 200 gpm, then 220 gpm (355 ac-ft/yr; Fig. 3). In October 2019, the pumping rate was increased to 240 gpm. Declining pump performance was observed during the Fall and Winter of 2022, as indicated by reduced pumping rate and rising pumping water levels (Fig. 3); the pump was replaced during January 2023. Subsequently, CLC 27 pumping averaged 229 gpm between February and December of 2023 (Fig. 7). The total volume pumped in 2023 by CLC 27 equaled 345 ac-ft. The CLC 27 top of screen is 455 ft and current pumping water level is about 283 ft below ground level (bgl). There is plenty of operational water column to increase the pumping rate if needed.

2.2.2 Performance Evaluation

Pumping tests were performed in CLC 27 in 2010 after partial plugback and conversion to a remedial extraction well. The specific capacity was 7.6 gpm/ft of drawdown when pumping at a rate of 169 gpm (JSAI, 2011). From 2012 through 2018, CLC 27 pumping water levels declined at a rate of 2.2 ft/yr while pumping at an average rate of 152 gpm. After March 2018, the pumping rate was increased to 200 gpm and the pumping water level dropped from 245 to 265 ft bgl.

In 2018, LCU installed a transducer to track pumping and non-pumping water levels to assist with performance analysis. A hydrograph of CLC 27 transducer-recorded and hand-measured water levels is presented as Figure 7. Year 2023 pumping water level was 283 ft bgl while pumping 235 gpm, which resulted in an average specific capacity of about 3.8 gpm/ft of drawdown.

The long-term performance of CLC 27 can be assessed by projecting pumping levels for the anticipated remaining duration of the cleanup (10 years, or 2024 to 2034) for a range of given pumping rates. The maximum pumping level for operation is 425 ft bgl considering a maximum pump setting depth of 450 ft bgl, and 25 ft of head above the pump intake needed for maintaining pump operation. A summary of calculated maximum pumping water levels for a range of pumping rates is presented in Table 2.

Results from the performance calculations presented in Table 2 show that CLC 27 is capable of pumping rates up to 400 gpm for the duration of the cleanup period. Therefore, CLC 27 can accommodate an increase in pumping rate if needed for containment and capture of the PCE plume. No additional extraction wells are needed for containment and capture of the PCE plume at this time based on available data and groundwater modeling results presented in Section 5.0.

Table 2. Calculated extraction well CLC 27 pumping water level in 2034 for a given pumping rate

pumping rate (gpm)	non-pumping water level [1] (ft bgl)	specific capacity [2] (gpm/ft)	short-term drawdown [3] (ft)	long-term drawdown [4] 10 years (ft)	regional water-level [5] decline (ft)	calculated pumping water level in 2034 (ft bgl)
230	223	3.8	60.0	27.2	10.0	320
250	223	3.6	69.4	30.3	10.0	333
300	223	3.4	88.2	36.4	10.0	358
350	223	3.2	109.4	42.5	10.0	385
400	223	3.0	133.3	48.6	10.0	415

[1] estimated non-pumping water level for 2023
[2] specific capacity for each pumping rate based on 2023 operational data and performance testing by JSAI (2011)
[3] short-term drawdown is calculated from specific capacity
[4] long-term drawdown is calculated from transmissivity
[5] regional water-level decline of 1.0 ft/yr based on Las Cruces Utilities (LCU) 2023 water-level data
gpm – gallons per minute
ft bgl – feet below ground level
gpm/ft – gallons per minute per foot of drawdown

3.0 PCE MASS REMOVAL RATES

A primary objective of performance evaluation is to optimize the remediation system to maximize contaminant removal per unit of groundwater pumped and to minimize remediation time. The PCE mass in the groundwater plume previously was estimated to range from 110 to 160 kilograms (kg) as of years 2005 to 2007 (EPA, 2006). Since 2017, more than 44 kg of PCE have been removed from the plume (Tables 3 and 4), and about 20 kg of dissolved PCE remains in the mobile porosity of the current plume configuration as calculated by current PCE concentration distribution and estimating the plume volume from spatial extents, zone thickness, and an effective porosity of 0.1. Summary of calculation parameters for 2023 data is as follows:

- Shallow Zone plume extent 1,200,000 ft^2, 40 ft thick, average PCE concentration 7.0 ug/L, estimated PCE mass = 0.95 kg
- Intermediate Zone plume extent 4,900,000 ft^2, 50 ft thick, average PCE concentration 20.5 ug/L, estimated PCE mass = 14.22 kg
- Deep Zone plume extent 3,000,000 ft^2, 40 ft thick, average PCE concentration 14.6 ug/L, estimated PCE mass = 4.96 kg

PCE mass removal rates by extraction well are discussed in the following sections.

3.1 CLC 18 PCE Mass Removal Rate

Past PCE mass removal from CLC 18 were calculated by use of direct PCE measurements from the well as opposed from the treatment system. Mass-removal estimates based on PCE measurements are presented in DBS&A (2024) and are also used in this report.

During 2023, CLC 18 had a PCE mass removal rate ranging from 0.001 to 0.004 kg/month with average monthly pumping rates of less than 10 gpm (Fig. 8; Table 3). After March 2022, the PCE concentrations stayed below 5 µg/L regardless of the optimized pumping cycles. The negligible CLC 18 PCE mass removal rates since 2022 were a result of the Shallow Zone PCE plume concentrations below the MCL. About 0.032 kg of PCE was removed during 2023 from CLC 18 pumping (Table 4). Discontinuing pumping at CLC 18 will not significantly change the mass removal rate.

Table 3. Summary of calculated monthly PCE mass removal rate from extraction wells CLC 18 and CLC 27

month	extraction well CLC 18		extraction well CLC 27	
	PCE removed (kg)	average pumping rate (gpm)	PCE removed (kg)	average pumping rate (gpm)
Jan-18	0.039	30	0.196	152
Feb-18	0.035	31	0.330	148
Mar-18	0.040	25	0.588	181
Apr-18	0.050	28	0.567	212
May-18	0.052	29	0.425	185
Jun-18	0.044	29	0.445	206
Jul-18	0.045	29	0.470	220
Aug-18	0.046	29	0.616	209
Sep-18	0.045	29	0.836	227
Oct-18	0.048	29	0.504	228
Nov-18	0.047	30	0.450	226
Dec-18	0.047	29	0.576	214
Jan-19	0.034	25	0.306	223
Feb-19	0.051	30	0.720	225
Mar-19	0.047	31	0.657	219
Apr-19	0.046	30	0.730	229
May-19	0.038	30	0.524	228
Jun-19	0.034	29	0.577	227
Jul-19	0.034	30	0.547	227
Aug-19	0.044	29	0.688	221
Sep-19	0.034	30	0.715	226
Oct-19	0.029	30	0.554	240
Nov-19	0.022	30	0.386	238
Dec-19	0.028	30	0.462	240
Jan-20	0.030	29.4	0.535	235.3
Feb-20	0.032	30.4	0.549	247.5
Mar-20	0.029	29.7	0.580	237.0
Apr-20	0.031	29.5	0.594	233.7
May-20	0.031	29.3	0.580	237.7
Jun-20	0.026	29.2	0.562	237.0

PCE – tetrachloroethene
kg – kilograms
gpm – gallons per minute

Table 3. Summary of calculated monthly PCE mass removal rate from extraction wells CLC 18 and CLC 27 (continued)

month	extraction well CLC 18		extraction well CLC 27	
	PCE removed (kg)	average pumping rate (gpm)	PCE removed (kg)	average pumping rate (gpm)
Jul-20	0.027	28.2	0.576	235.1
Aug-20	0.027	28.3	0.535	234.5
Sep-20	0.026	28.9	0.526	237.4
Oct-20	0.029	28.9	0.694	235.2
Nov-20	0.029	29.2	0.590	233.4
Dec-20	0.026	29.3	0.544	238.0
Jan-21	0.024	28.3	0.523	238.1
Feb-21	0.020	28.1	0.435	237.5
Mar-21	0.024	28.2	0.525	238.8
Apr-21	0.024	29.7	0.502	236.4
May-21	0.025	27.5	0.518	235.9
Jun-21	0.021	27.6	0.481	226.4
Jul-21 *	0.020	27.3	0.487	221.8
Aug-21*	0.012	16.6	0.525	221.8
Sep-21 *	0.003	4.2	0.508	221.8
Oct-21	0.002	3.6	0.494	225.0
Nov-21	0.003	4.4	0.507	221.7
Dec-21	0.003	4.3	0.596	220.6
Jan-22	0.004	5.66	0.580	214.6
Feb-22	0.004	6.27	0.484	211.5
Mar-22	0.005	7.02	0.503	212.5
Apr-22	0.003	5.07	0.394	185.4
May-22	0.004	6.21	0.602	222.8
Jun-22	0.004	6.11	0.503	219.7
Jul-22	0.004	5.48	0.557	219.8
Aug-22	0.004	5.93	0.479	202.6
Sep-22	0.004	6.39	0.483	196.8
Oct-22	0.004	5.74	0.404	170.7
Nov-22	0.004	6.20	0.395	160.9
Dec-22	0.003	6.25	0.322	136.0

* Due to SCADA error, CLC 27 monthly average pumping rates for July, August, and September 2021 were based on the average for the time-period. All pumping data provided by LCU.

PCE – tetrachloroethene

kg – kilograms

gpm – gallons per minute

Table 3. Summary of calculated monthly PCE mass removal rate from extraction wells CLC 18 and CLC 27 (concluded)

month	extraction well CLC 18		extraction well CLC 27	
	PCE removed (kg)	average pumping rate (gpm)	PCE removed (kg)	average pumping rate (gpm)
Jan-23 **	0.003	8.37	0.121	47.6
Feb-23	0.005	10.42	0.572	234.4
Mar-23	0.003	6.19	0.590	232.6
Apr-23	0.003	4.58	0.566	203.6
May-23	0.003	4.55	0.636	235.4
Jun-23	0.003	5.39	0.538	235.2
Jul-23	0.003	7.27	0.541	228.6
Aug-23	0.003	6.75	0.596	235.0
Sep-23	0.002	4.77	0.535	233.9
Oct-23	0.002	6.04	0.557	235.5
Nov-23	0.001	3.81	0.500	235.3
Dec-23	0.002	3.62	0.517	235.5

** A sample was not collected from CLC 27 for January 2023. The average raw PCE concentrations from December 2022 and February 2023 were used in the mass removal calculation for CLC 27 in January 2023.

PCE – tetrachloroethene
kg – kilograms
gpm – gallons per minute

Table 4. Summary of annual PCE mass removal from extraction wells CLC 18 and CLC 27 for years 2017 through 2023

PCE removed (kg)		
	CLC 18	CLC 27
2017 total	0.441 [a]	4.395
2018 total	0.536 [a]	6.002
2019 total	0.440 [a]	6.866
2020 total	0.344	6.865
2021 total	0.182	6.102
2022 total	0.047	5.705
2023 total	0.032	6.270

[a] total for CLC 18 calculated using the previously reported Method 2 (JSAI, 2023)

PCE – tetrachloroethene
kg – kilograms

3.2 CLC 27 PCE Mass Removal Rate

During 2023, CLC 27 was pumped continuously since February. Pumping rates increased from January to February due to pump replacement. Using PCE concentration values shown on Figure 3 and metered pumping, the mass of PCE removed by CLC 27 for each month was calculated. During 2023, CLC 27 had an average PCE mass removal rate of 0.52 kg/month (Fig. 9; Table 3). The relatively consistent PCE concentrations allow for the mass removal rate to be proportional to pumping rate. A total of 6.27 kg PCE was removed during 2023 CLC 27 pumping (Table 4). Continued pumping at an average annual rate of 230 gpm with a PCE concentration of 13 µg/L would result in a PCE mass removal rate of about 6.0 kg/yr.

4.0 TMR NUMERICAL MODEL

Details regarding the telescope mesh refinement (TMR) model, model update, and calibration are available in the companion JSAI (2024) report. The TMR model was calibrated to the available groundwater-level data and reflects the annual pumping rates from CLC 18, CLC 27, CLC 28, and CLC 61. Figure 10 is a bar graph showing the annual pumping rates by well. Model simulations included the historical transient period (system operations from 2012 through current), and a future period (remainder of the 14-year cleanup period specified in the EPA Record of Decision (ROD) and SOW (EPA, 2020)). Water levels were simulated for the historical and the future period, and particle tracking was simulated for the future period (2024 to 2034). Future pumping simulation considers 0 gpm from CLC 18 and CLC 61, 222 gpm from CLC 28, and 240 gpm from CLC 27.

The capture zone refers to the three-dimensional region that contributes to the groundwater extracted by a well (EPA, 2008). Model-simulated results are presented in Figures 11 through 15, and used for plume containment and capture zone analysis.

4.1 Plume Containment Analysis

The capture zone is equivalent to the zone of hydraulic containment, and the target capture zone is the PCE plume defined by the 5 µg/L concentration contours in the Shallow, Intermediate, and Deep Zones (Figs. 12 through 14). CLC 27 pumping creates the primary zone of hydraulic containment. Model simulations indicate that the northern and western extents of the Shallow, Intermediate, and Deep Zone PCE plumes are well contained through the use of the existing capture system. The southern and eastern extents of the Shallow plume are also contained as CLC 27 captures what lies outside of the CLC 18 zone of influence (Figs. 12 through 14). The Shallow Zone plume

travels horizontally until it reaches the edge of the clay layer and then travels downward, as illustrated by the change in elevation of the model-simulated particles, into the Deep Zone where they are contained. Figure 15 is an illustrated cross-section of model-simulated particles showing the downward movement from Shallow to Deep Zone due to CLC 27 pumping.

Model simulations indicate that the eastern extent of the Intermediate and Deep plume is also well contained for the primary plume area west and south of GWMW-09. For the plume area east of GWMW-09, modeled groundwater velocities in this area are low, averaging approximately 0.1 ft/day; this reduces the capture system's effectiveness and leaves the area susceptible to being influenced by the effects of regional pumping. It should be noted that the eastern extent of the Deep Zone plume at GWMW-15 is located across a channel of relatively high hydraulic conductivity (see Fig. 11). If the channel extends farther east than currently simulated, the eastern extent of the Deep Zone plume may be more effectively captured by CLC 27 pumping.

Modeling simulations indicated that high rates of pumping (>1,500 ac-ft/yr) from CLC 61 in 2018 had an effect on the capture system's efficiency at the eastern and southern extents of the Deep Zone plume (JSAI, 2019). However, cessation of pumping CLC 61 (March 2019) has minimized the potential for vertical and southern movement of the Deep Zone PCE plume. CLC 61 pumped 5.3 ac-ft from May 2022 to July 2022 for emergency use and fire flow testing but did not introduce any new potential capture at the well due to the relatively small amount pumped. Model results and historical water-level trends indicate that pumping CLC 61 less than 300 ac-ft/yr does not interfere with eastern and southern PCE plume containment. CLC 61 was not pumped in 2023.

As determined by water level analysis in JSAI (2024), pumping from CLC 28, north of GWP site, does not significantly affect water levels in the GWP monitoring network. This is also confirmed by the results of simulated pumping from CLC 28 in the GWP TMR numerical model (Figs. 12 through 14). Drawdown resulting from CLC 28 pumping does not infringe on the drawdown cone created by pumping extraction well CLC 27.

4.2 Plume Capture Analysis

Model-simulated water levels and particle tracking results are used to analyze plume capture for the Shallow, Intermediate, and Deep Zones. As illustrated by the model-simulated water level elevation contours, the modeled capture zone for CLC 27 pumping was approximately 2,200 ft to the northeast and 1,200 ft to the southwest from the well in 2023. By 2029, the capture zone increases east to west. For 2023, CLC 18 has no significant influence on the modeled capture zone, primarily due to the reduction in pumping.

The Shallow PCE plume in 2023 measured approximately 1,200 ft from north to south, 1,200 ft from east to west, and less than 40 ft thick (JSAI, 2023), and flows into the capture zone created by extraction well CLC 27. Shallow Zone model-simulated particles travel horizontally southeast on top of the clay layer, and then, where the clay layer is absent, the particles migrate vertically into the CLC 27 capture zone (Figs. 12 and 15).

The Intermediate Zone plume measures approximately 1,200 ft from north to south, 3,000 ft from east to west, and less than 115 ft thick, with the eastern extent within CLC 27's immediate capture zone. Intermediate Zone model-simulated particles tend to travel vertically into CLC 27 Deep capture zone with some horizontal movement toward CLC 27 (Fig. 13). As illustrated by data analysis on Figure 5, Intermediate Zone plume migration is likely more horizontal toward CLC 27 than vertical, because the Intermediate Zone plume is based on PCE results from wells completed below the clay layer in permeable sand rather than in the model-simulated clay layer.

The Deep Zone plume (Fig. 14) is approximately 800 ft north to south around CLC 27, over 4,200 ft in length from west to east, and less than 150 ft thick. PCE measurements collected in November 2023 indicate that concentrations in GWMW-09(D2) indicates two separate areas of PCE concentrations greater than 10 µg/L in the Deep Zone, one centered around GWMW-16 (primary plume), and the other centered around GWMW-15 (Fig. 14). Model-simulated Deep Zone particles travel horizontally at a higher velocity toward CLC 27 (Figs. 14 and 15).

The primary PCE plume around CLC 27, GWMW-16(D), and GWMW-10 is easily captured by CLC 27; travel times are less than 5 years from the plume edge to CLC 27. Particle tracking shows that the GWMW-15(I) portion of the plume is contained and still progressing towards CLC 27 in 2034, but not yet captured due to the slow groundwater velocities in that area (Fig. 14). Decreasing PCE concentrations evident in times-series trends at GWMW-15(I,D) indicate that the plume in this area is no longer moving vertical and ,rather, is moving southwest horizontally towards CLC 27 (see JSAI, 2024 monitoring report, Appendix D).

4.3 Optimization Assessment

Optimization includes removing the mass of contaminants in the aquifer in an effective and efficient manner. CLC 18 has been optimized, and monitoring data suggest the Shallow Zone PCE plume has been removed from the CLC 18 capture area. Shallow Zone PCE concentrations in the CLC 18 capture area have achieved the cleanup goal of less than 5 µg/L; therefore, it is recommended to discontinue pumping from CLC 18. Since September 2021, CLC 18 PCE concentrations have remained below 5 µg/L and no upward trend in concentration has been observed. The Shallow Zone has low PCE concentrations (< 10 µg/L) and minimal PCE mass. The remainder of the Shallow Zone plume is projected to be contained and captured by CLC 27.

The PCE removal rate for CLC 27 have been decreasing since 2020 due to reduced pumping rather than decreasing PCE concentrations (see Tables 1, 3, and 4). CLC 27 pumping rate declined in 2022 due to pump failure, but rebounded to about 230 gpm with pump replacement in January 2023, thereby resulting an average pumping rate of 230 gpm and a PCE mass removal rate greater than 0.5 kg per month (Table 3).

It is possible that continued pumping CLC 27 at the recommended rate of 230 to 240 gpm could increase the capture of clean groundwater because the plume is decreasing in size. As previously recommended to optimize CLC 27 mass removal, JSAI suggested incrementally increasing the CLC 27 pumping rate to determine if the mass removal rate can be increased with increased pumping. Increases would best be made as monthly time steps to coincide with monthly sampling for PCE. CLC 27 average monthly pumping rate could start at 230 gpm, and then increase pumping rate by 10 gpm each month until the capacity of the replacement pump is achieved.

5.0 EFFECTIVENESS OF EXTRACTION WELLS

The updated groundwater modeling indicates that the extraction system is meeting RAO #2: *Maintain capture of the PCE-contaminated groundwater plume above the MCL* (5 µg/L). The updated groundwater modeling indicates that the GWP site plume will be flushed (i.e., one pore volume removed) in the next 5 to 10 years providing progress towards RAO #3: *Restore groundwater to its beneficial use as a drinking water supply with PCE concentrations no greater than the MCL* (5 µg/L).

5.1 Remedial Objectives

The general remedial objective is to remove the mass of PCE in the aquifer in an effective and efficient manner. Estimated current mass of PCE plume, calculated by estimating the plume volume from spatial extents and zone thickness, is approximately 20 kg and the current removal rate is about 6.0 kg/yr. The time to achieve restoration of the GWP site plume to below 5 µg/L is difficult to estimate given the uncertainty in estimating plume mass. However, an estimate of restoration time can be provided utilizing two methods (i.e., mass removal rates and particle tracking analysis) as described below. Assuming similar levels of mass removal can be achieved through continued annual optimization of extraction from CLC 27, RAO #3 can be met in approximately 6 years for the majority of the PCE plume mass. The portion of PCE plume observed at GWMW-15(I) may be separate from the primary plume or become separate.

Mass removal rates will likely decline over time as the plume decreases in size and concentrations generally decrease which may lead to longer cleanup times. In addition, model simulations utilizing particle tracking for the Shallow, Intermediate, and Deep Zones are based on the assumption that much of the GWP plume area will be flushed by removing one pore volume within the next 5 to 10 years (Figs. 12 and 14). Transport properties of PCE such as dispersion, sorption, and degradation may influence the number of pore volumes required to achieve clean-up and are not explicitly accounted for through the particle tracking analysis. However, according to the Feasibility Study Report (EPA, 2006) sorptive and biodegradation attenuation processes are likely to be small at the GWP site and therefore particle tracking results are a useful tool for providing insight into potential clean-up times. The mass removal analysis indicates similar estimates of cleanup time, giving additional support to the particle tracking estimates.

The particle tracking in the Intermediate Zone is complicated by the simulated clay zone in that model layer. Particles placed in the Intermediate Zone are slowed by the assigned lower hydraulic conductivity and do not represent the faster velocity that particles placed in the coarser portions of the intermediate zone would travel. Site data show that the Intermediate and Deep Zones are fairly uniform in composition and hydraulic properties.

Further development of the PCE concentration trends at GWMW-15(I) are needed to better calibrate the model in the eastern plume area and to determine when the RAO #3 will be achieved for this portion of the PCE plume. Monitoring data provided evidence that the PCE concentrations across the Site are decreasing as the system continues to operate (JSAI, 2021).

5.2 Remedial Goals

RAO #3 is to achieve cleanup of PCE concentrations to below 5 µg/L in the groundwater within the 14-year time period measured from the effective date of the revised SOW (June 7, 2020). There are approximately an additional 10 years to achieve the remedial goals.

CLC 18 has removed the part of the plume, on top of the clay layer in the Shallow Zone, that does not flow eastward into the extraction CLC 27 capture zone. CLC 18 PCE concentrations were around 70 µg/L during startup (2012), and have decreased to less than 5 µg/L, which indicates the Shallow Zone in the vicinity of CLC 18 has achieved the PCE cleanup concentration of less than 5 µg/L.

The majority of the PCE plume mass is in an area where the Shallow, Intermediate, and Deep Zones are hydraulically connected and the PCE plume is captured by extraction well CLC 27. Model results indicate that the majority of the plume mass between GWMW-16, MW-SF10, and

GWMW-10 will likely be removed to achieve remedial goals. However, as indicated by the PCE results from GWMW-09, the PCE plume in the vicinity of GWMW-15 appears to be a separate PCE plume or the eastern side of a bifurcated plume. Cleanup time for the PCE plume in the vicinity of GWMW-15 is difficult to determine.

The updated Site Conceptual Model (JSAI, 2019) coupled with a significant decrease in local pumping has resulted in optimization of the system so remedial goals can be achieved. With sustained PCE concentrations and increased pumping, extraction well CLC 27 is well suited for plume containment, capture, and cleanup within the remaining time period.

6.0 SUMMARY OF FINDINGS

As a result of optimization, CLC 18 has been operated since 2014 (Fig. 2). Remediation of the Shallow Zone PCE plume in the vicinity of CLC 18 is complete (Figs. 2 and 4).

The majority of the PCE plume mass is in an area where the Shallow, Intermediate, and Deep Zones are hydraulically connected and the PCE plume is captured by extraction well CLC 27. The highest 2023 PCE concentration detected in the monitoring network was 30 µg/L at GWMW-10(I). During 2023, CLC 27 PCE concentrations averaged 14.6 µg/L, which appears to be representative of the average for the primary plume mass, thereby indicating optimized extraction of plume mass.

Pumping extraction well CLC 27 at an average annual rate of 230 gpm with a PCE concentration of 13 µg/L would result in a PCE mass removal rate of 6.0 kg/yr. A model-simulated average pumping rate of 240 gpm for extraction well CLC 27 results in achieving the remedial objective for the primary PCE plume mass within the next 5 to 10 years; however, this estimate is subject to uncertainty for the reasons stated above in this report section.

Results from the performance analysis presented in Table 2 show that CLC 27 is capable of pumping rates up to 400 gpm for the duration of the cleanup period, if needed. There is no other significant pumping in the area to compete with extraction well pumping, which allows for better hydraulic controls for plume capture. Nevertheless, CLC 27 is able to accommodate increased pumping rate if needed for containment and capture of the PCE plume. No additional extraction wells are needed for containment and capture of the PCE at this time.

Based on the observed field data (hydraulic heads and PCE concentrations) and the updated groundwater modeling predictions, the extraction system is capturing the primary PCE plume mass to reach the remediation goals within the 14-year time period.

The ability to capture the PCE plume at GWMW-15(I) is difficult to determine from the monitoring data and the model analysis. Further development of time-series PCE trends from GWMW-15(I) would help identify whether the plume is beginning to move horizontally towards extraction well CLC 27.

With increased pumping, CLC 27 continues to capture groundwater with PCE concentrations that resemble the plume mass. Extraction well CLC 27 is well suited for plume containment, capture, and cleanup with the remaining time period. However, the pumping from extraction well CLC 27 will need to be optimized every year to maintain or increase PCE mass removal.

7.0 RECOMMENDATIONS

The purpose of the annual performance evaluation of the Griggs and Walnut Site groundwater extraction wells is to assess whether operation of the extraction and treatment system is making adequate progress toward achieving the Remedial Action Objectives and Remedial Goals, and to ensure the JSP is removing the mass of contaminants in the aquifer in an effective manner, each year, as part of the Operation and Maintenance reporting requirements specified in the SOW (EPA, 2020). The following recommendations are for the year 2024 upon EPA approval.

1. Discontinue pumping from extraction well CLC 18.
2. Optimize CLC 27 mass removal rate by performing iterative steps of increased pumping. Increases would best be made as monthly time steps to coincide with monthly sampling for PCE. It is recommended to start CLC 27 average monthly pumping rate at 230 gpm, and then increase pumping rate by 10 gpm each month until the capacity of the replacement pump is achieved.
3. Maintain an average pumping rate between 220 to 240 gpm for extraction well CLC 27 after the recommended optimization testing until results of the optimization are reviewed and approved by EPA.
4. Evaluate data from CLC 27 optimization testing to determine whether pumping rates higher than 240 gpm can be recommended to accelerate PCE mass removal.
5. Model results indicate pumping CLC 61 less than 300 ac-ft/yr does not interfere with eastern PCE plume containment. It is recommended to allow for Las Cruces Utilities to pump CLC 61 for peak demand, so long as the total pumping does not exceed 300 ac-ft/yr. CLC 61, CLC 20, CLC 21, CLC 26, GWMW-15, and CLC 19 will be added to the monthly water level monitoring network during the months that CLC 61 is pumping more than the monthly pumping to purge the well volume for maintenance.

8.0 REFERENCES

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[JSAI] John Shomaker & Associates, Inc., 2013, First year (May 2012 to May 2013) assessment of the Griggs and Walnut PCE plume capture wells and recommendations for optimizing capture efficiency: consultant's report prepared by JSAI for City of Las Cruces.

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ILLUSTRATIONS

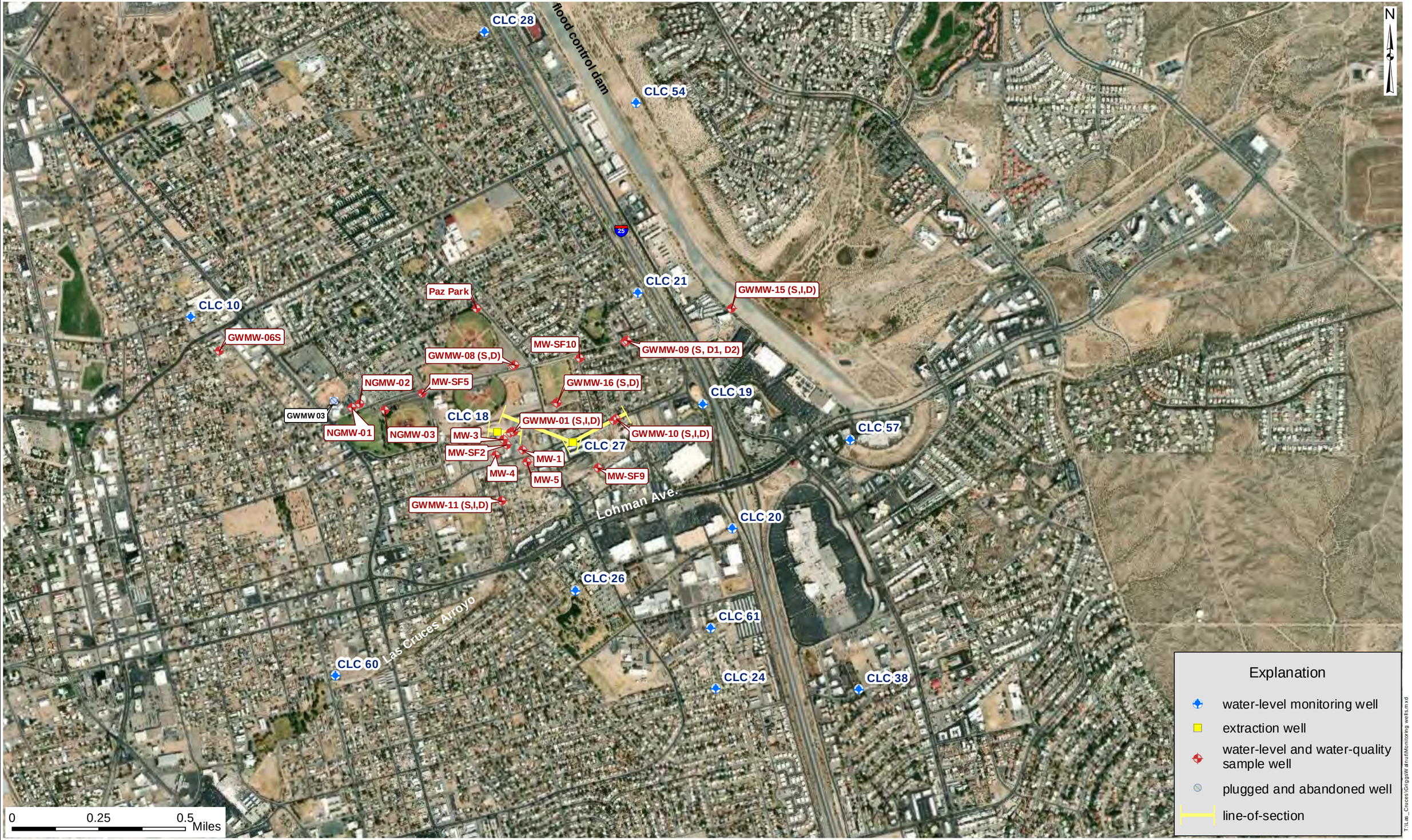


Figure 1. Aerial photograph of the Griggs and Walnut Site showing monitoring network, City of Las Cruces, New Mexico.

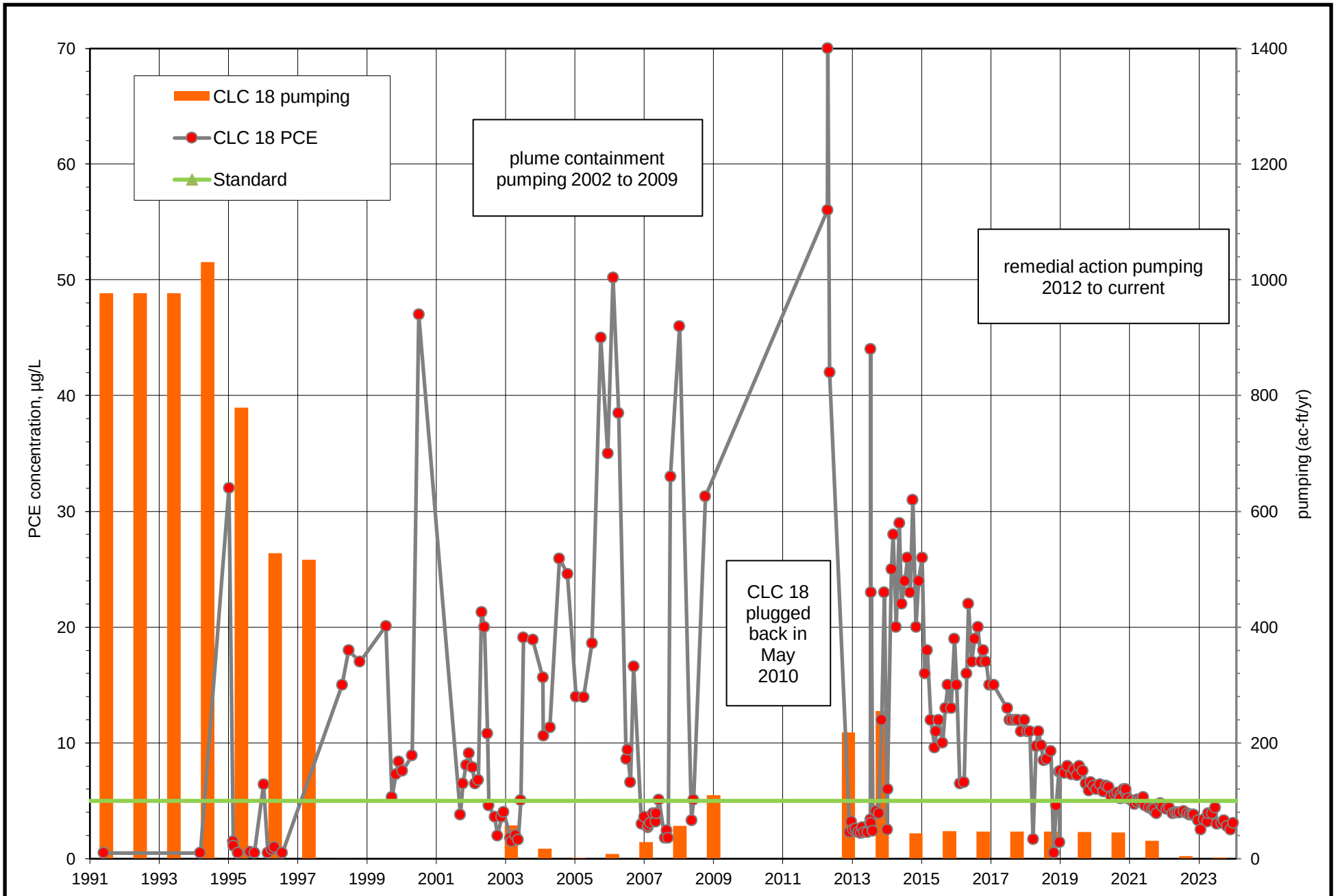


Figure 2. Graph showing PCE concentrations and pumping versus time for CLC 18, Griggs and Walnut Site, Las Cruces, New Mexico.

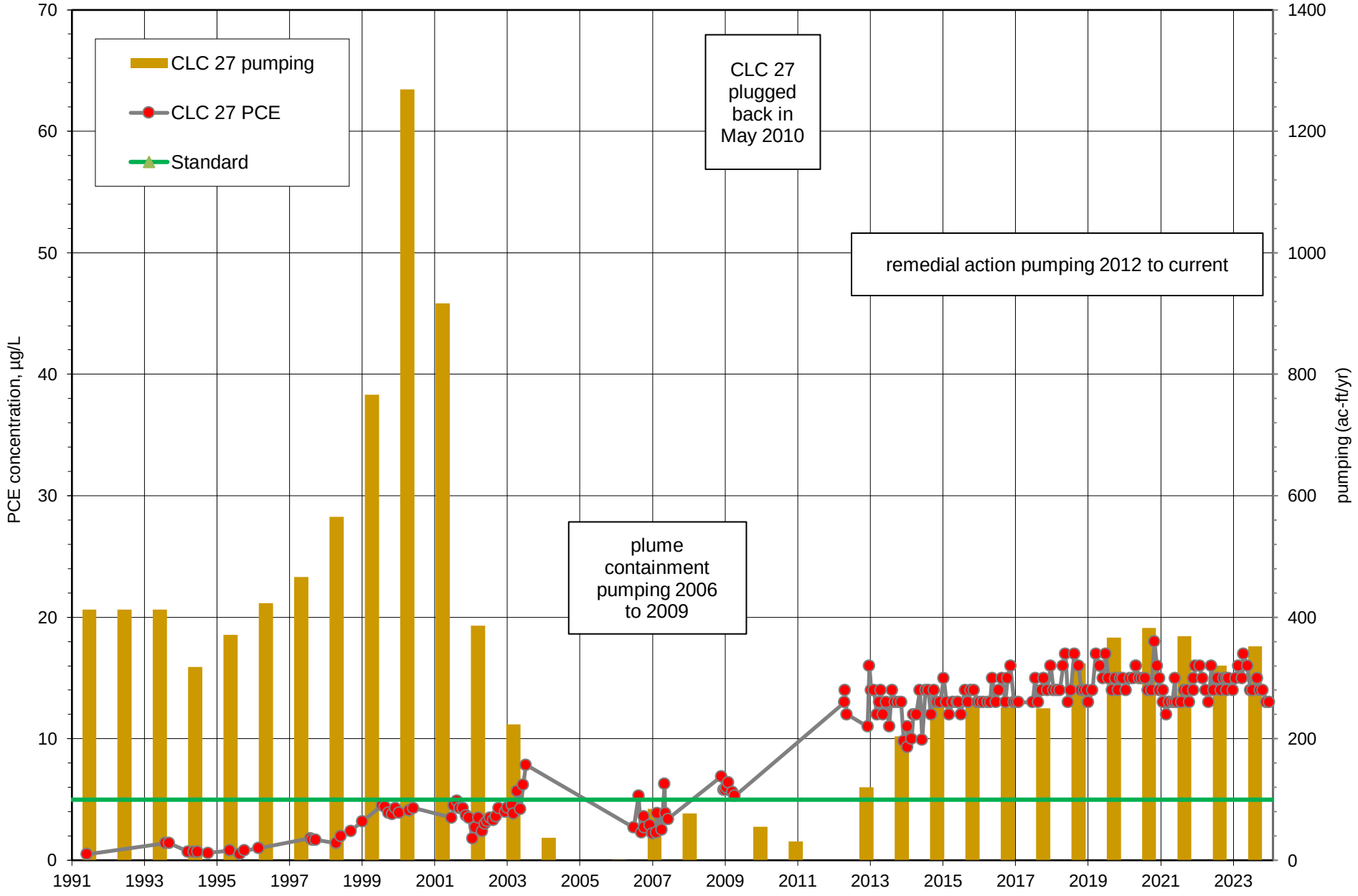


Figure 3. Graph showing PCE concentrations and pumping versus time for CLC 27, Griggs and Walnut Site, Las Cruces, New Mexico.

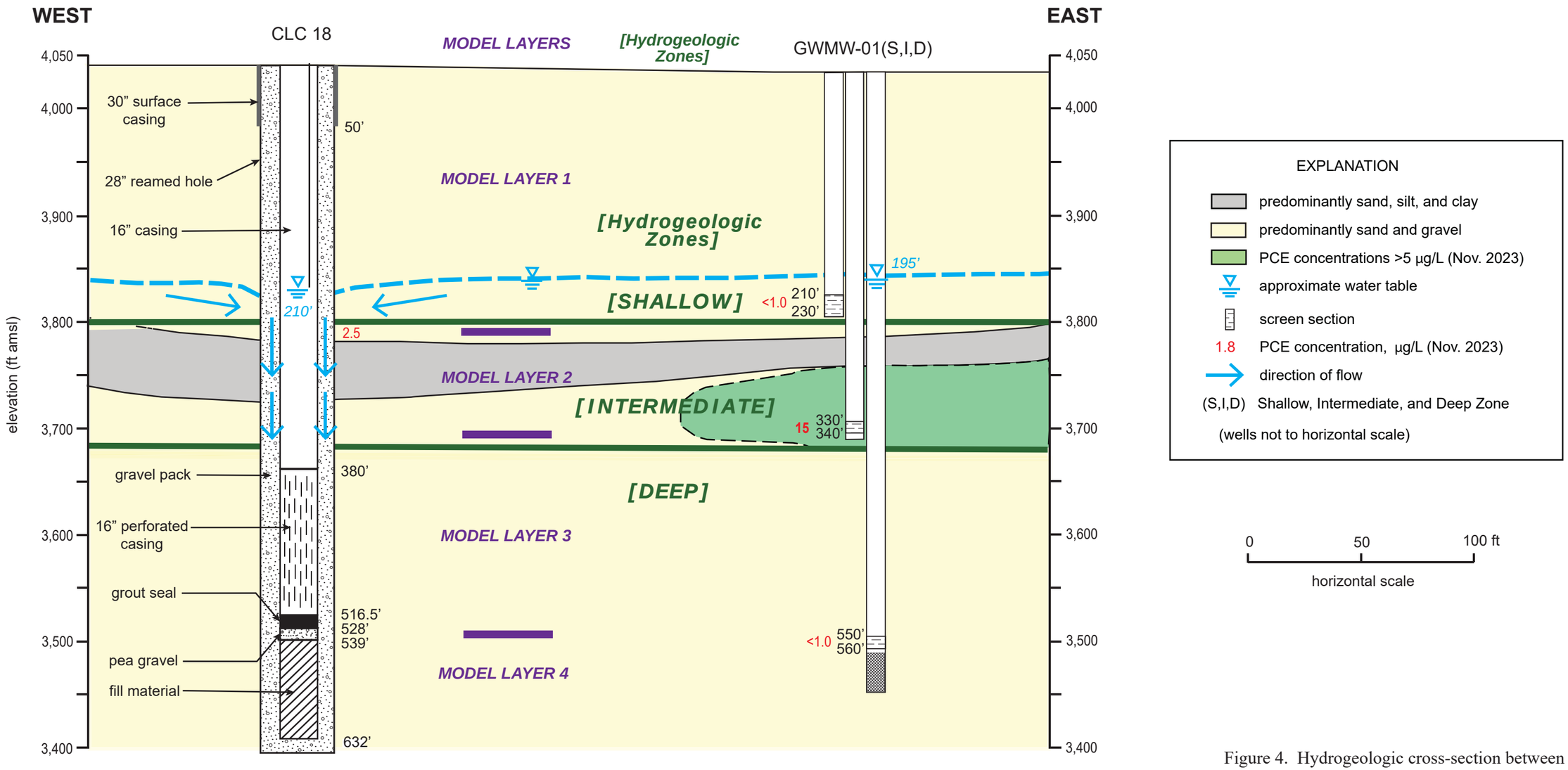


Figure 4. Hydrogeologic cross-section between CLC 18 and GWMW-01 showing well completion details and distribution of November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

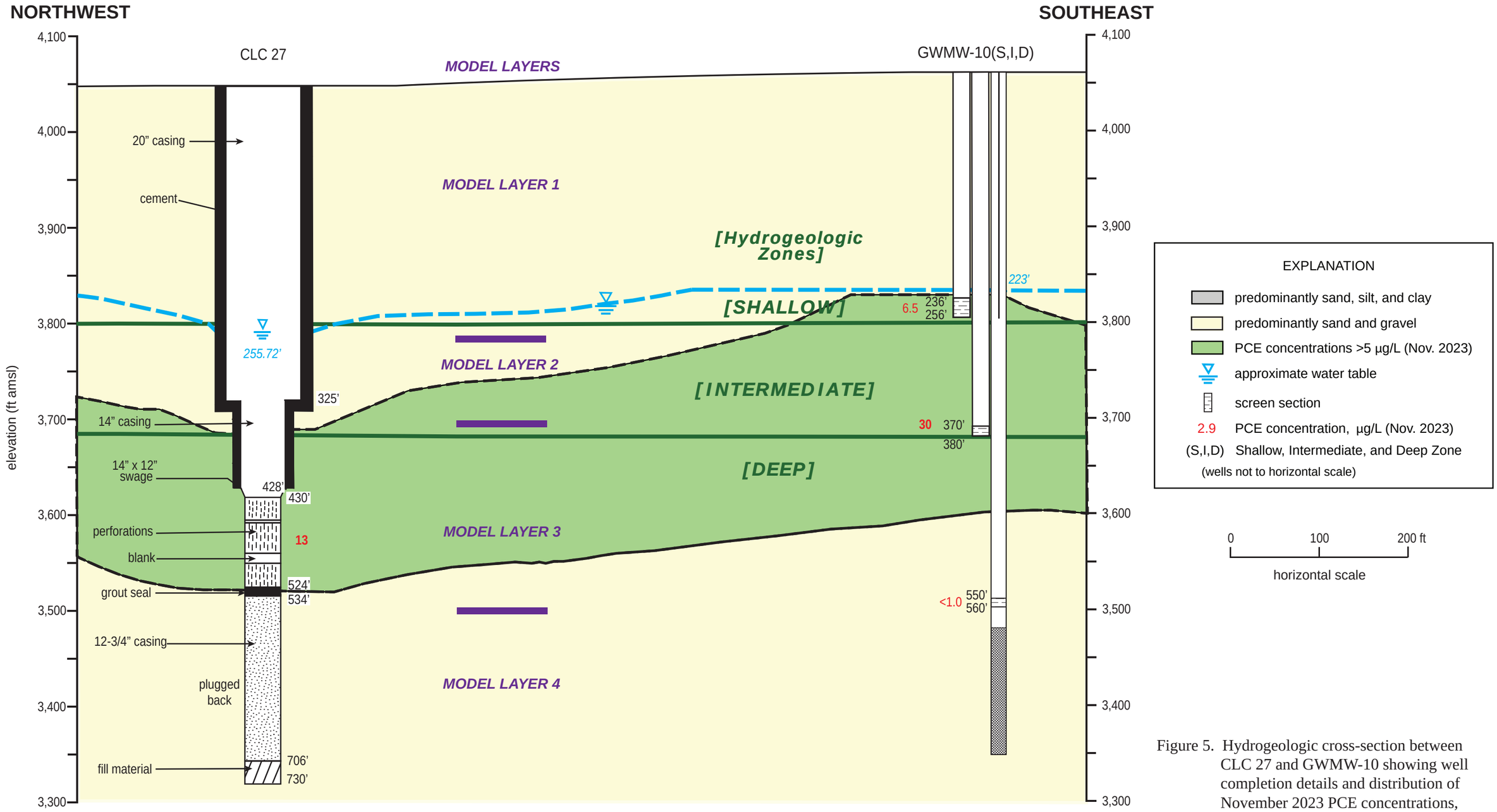


Figure 5. Hydrogeologic cross-section between CLC 27 and GWMW-10 showing well completion details and distribution of November 2023 PCE concentrations, Griggs and Walnut Site, Las Cruces, New Mexico.

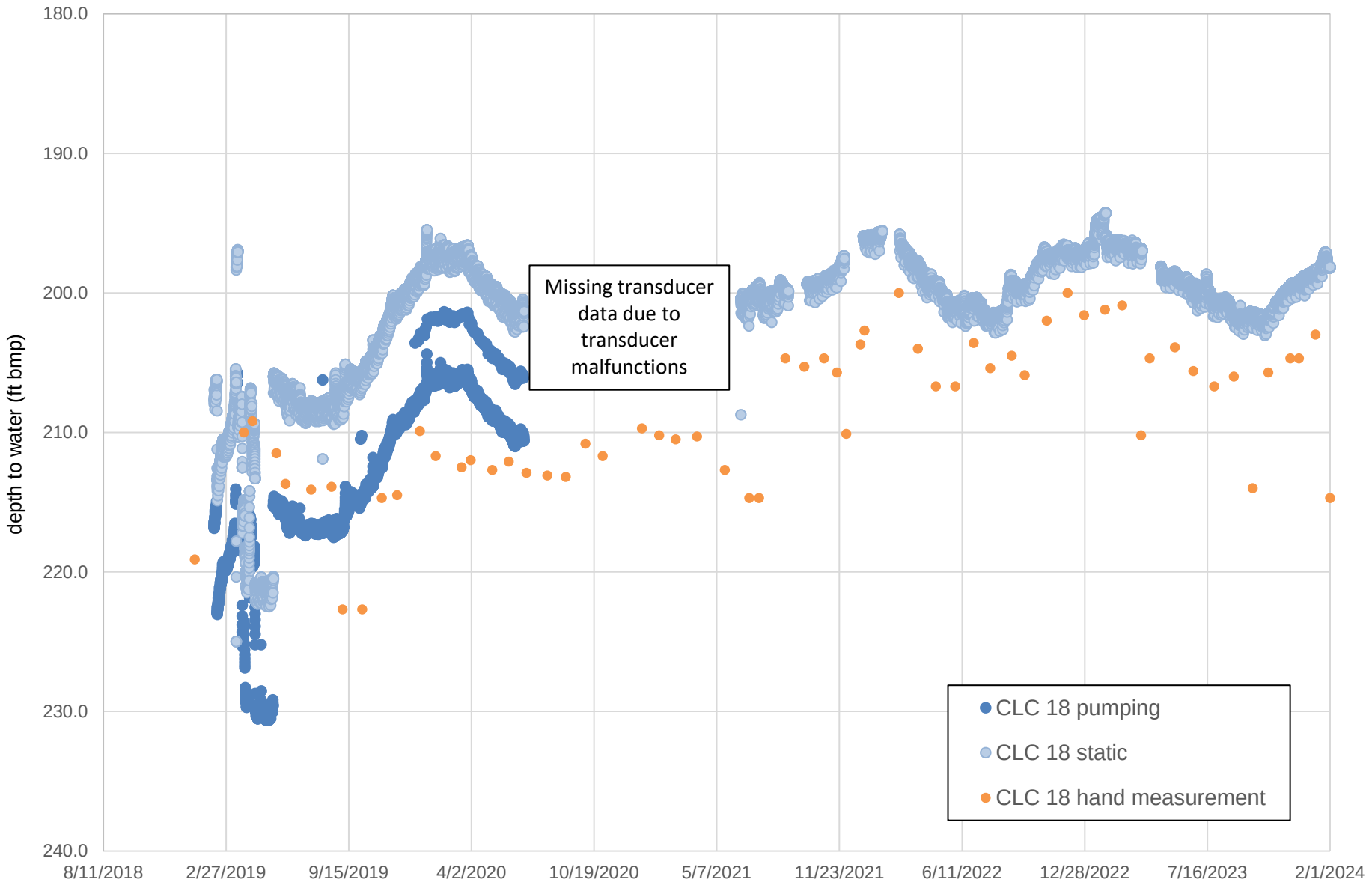


Figure 6. Graph showing non-pumping and pumping water levels for extraction well CLC 18, Griggs and Walnut Site, Las Cruces, New Mexico.

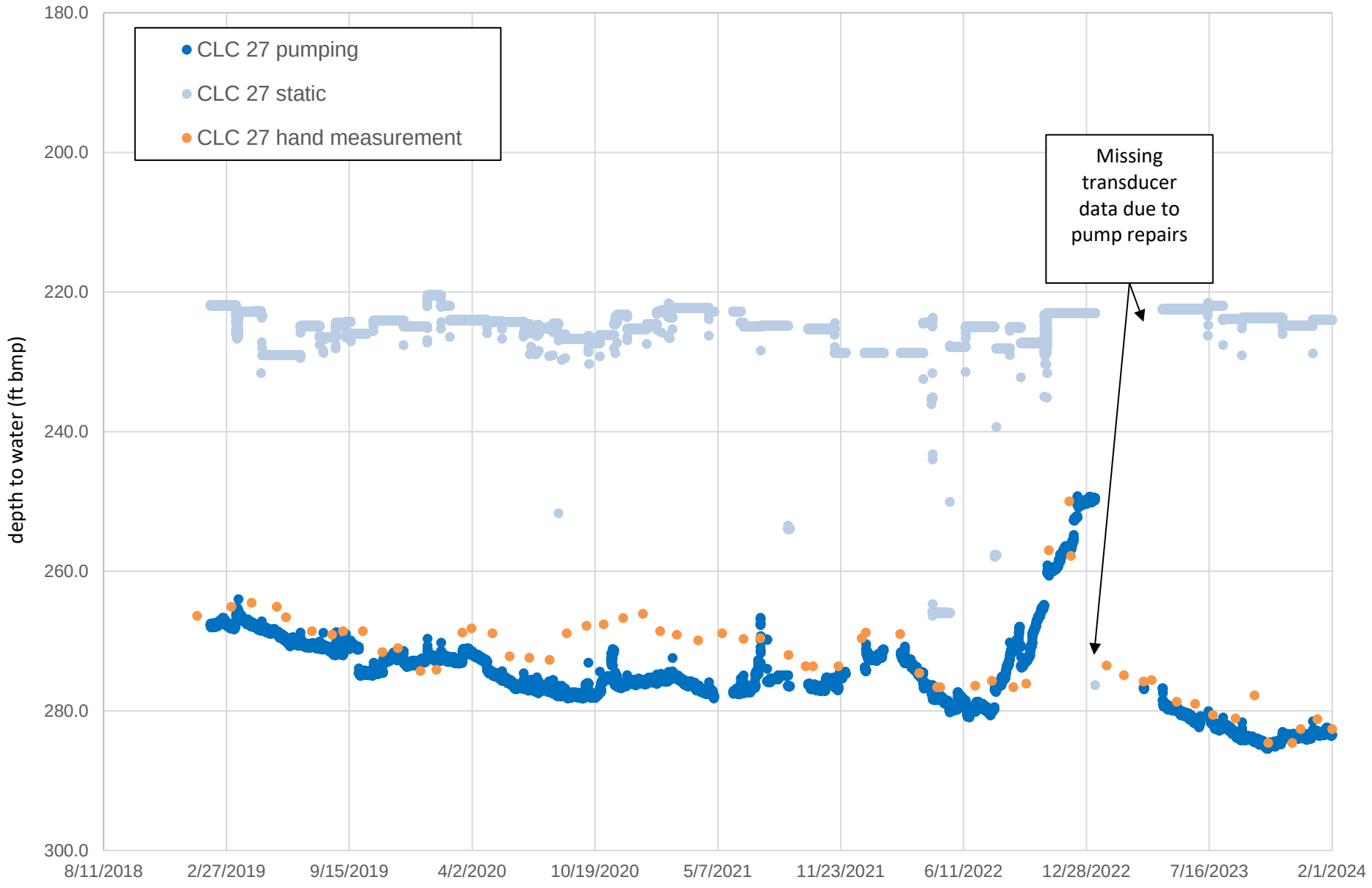


Figure 7. Graph showing non-pumping and pumping water levels for extraction well CLC 27, Griggs and Walnut Site, Las Cruces, New Mexico.

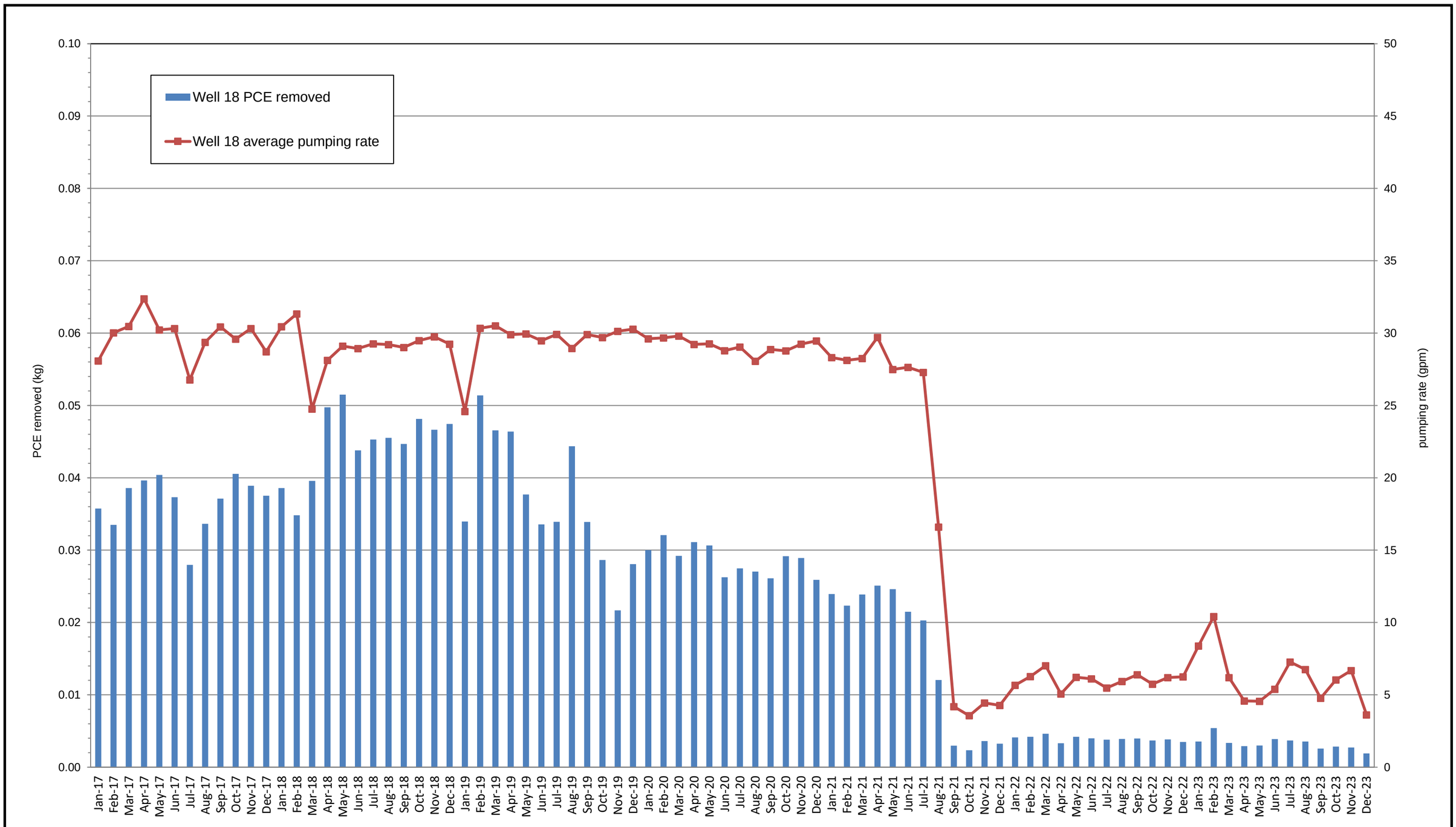


Figure 8. Graph of extraction well CLC 18 monthly pumping from 2017 through 2023, and PCE mass removal rate, Griggs and Walnut Site, Las Cruces, New Mexico.

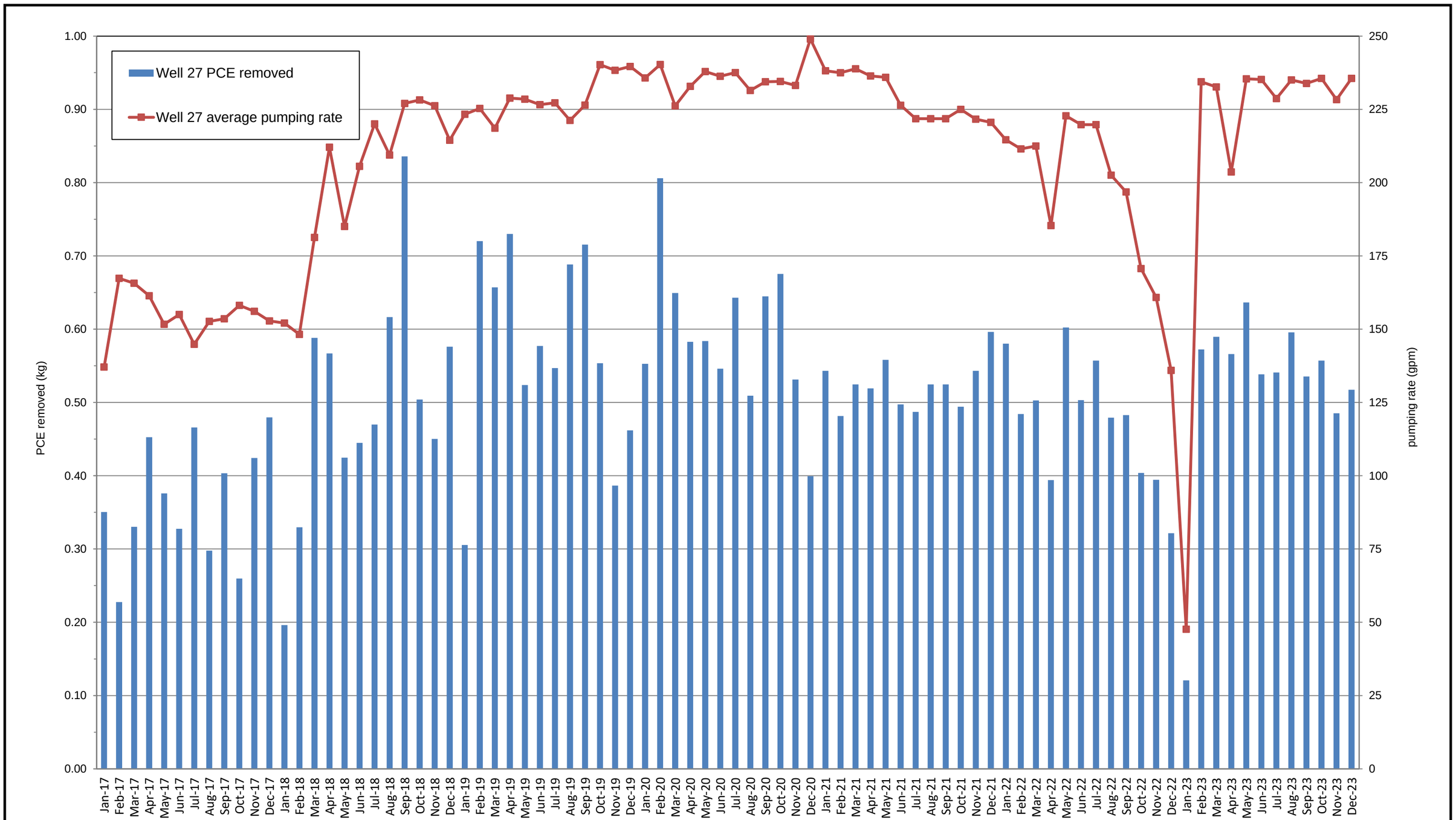


Figure 9. Graph of extraction well CLC 27 monthly pumping from 2017 through 2023, and PCE mass removal rate, Griggs and Walnut Site, Las Cruces, New Mexico.

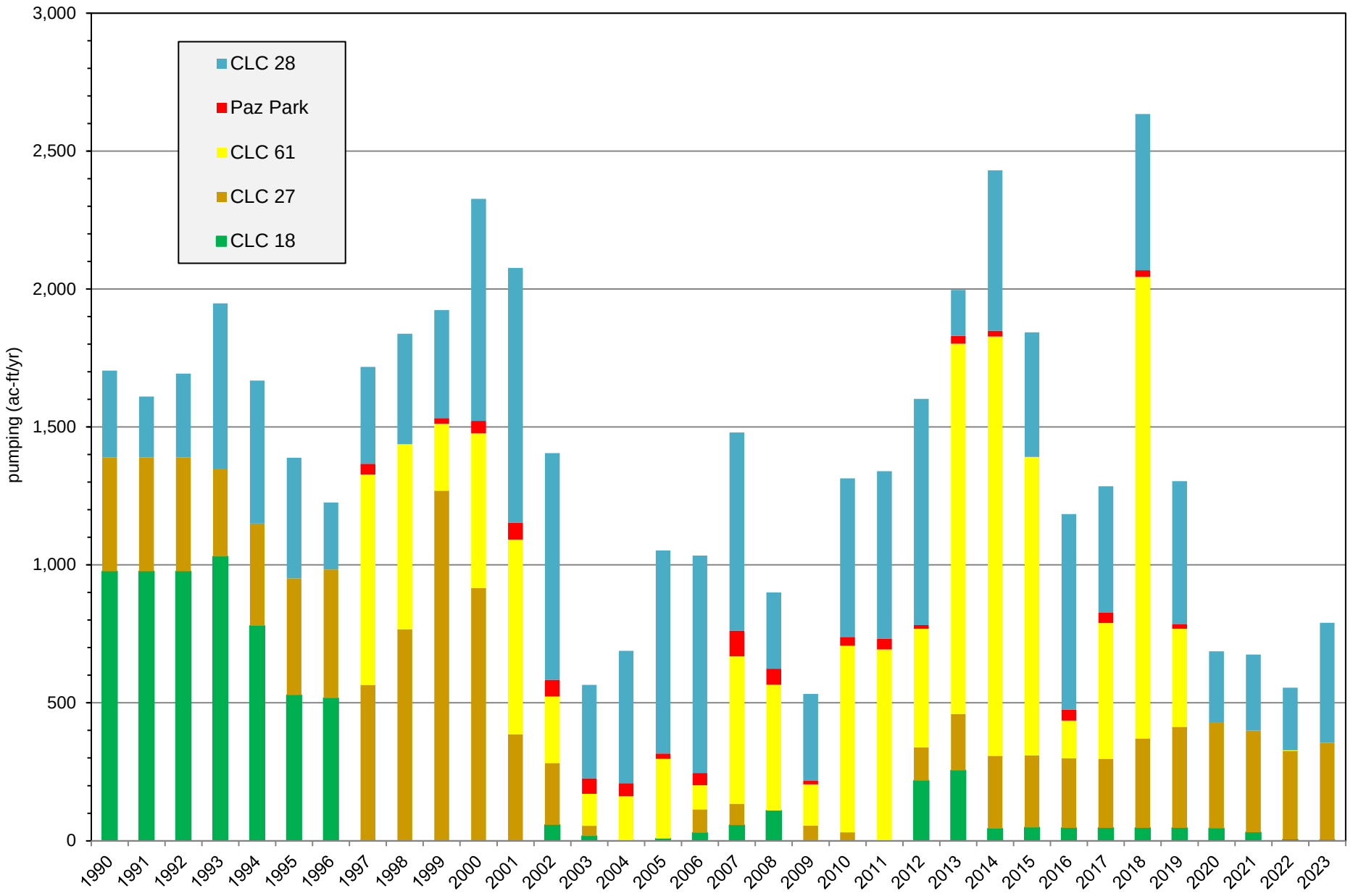


Figure 10. Bar graph of model-simulated annual pumping from 2012 to current, Griggs and Walnut Site, Las Cruces, New Mexico.

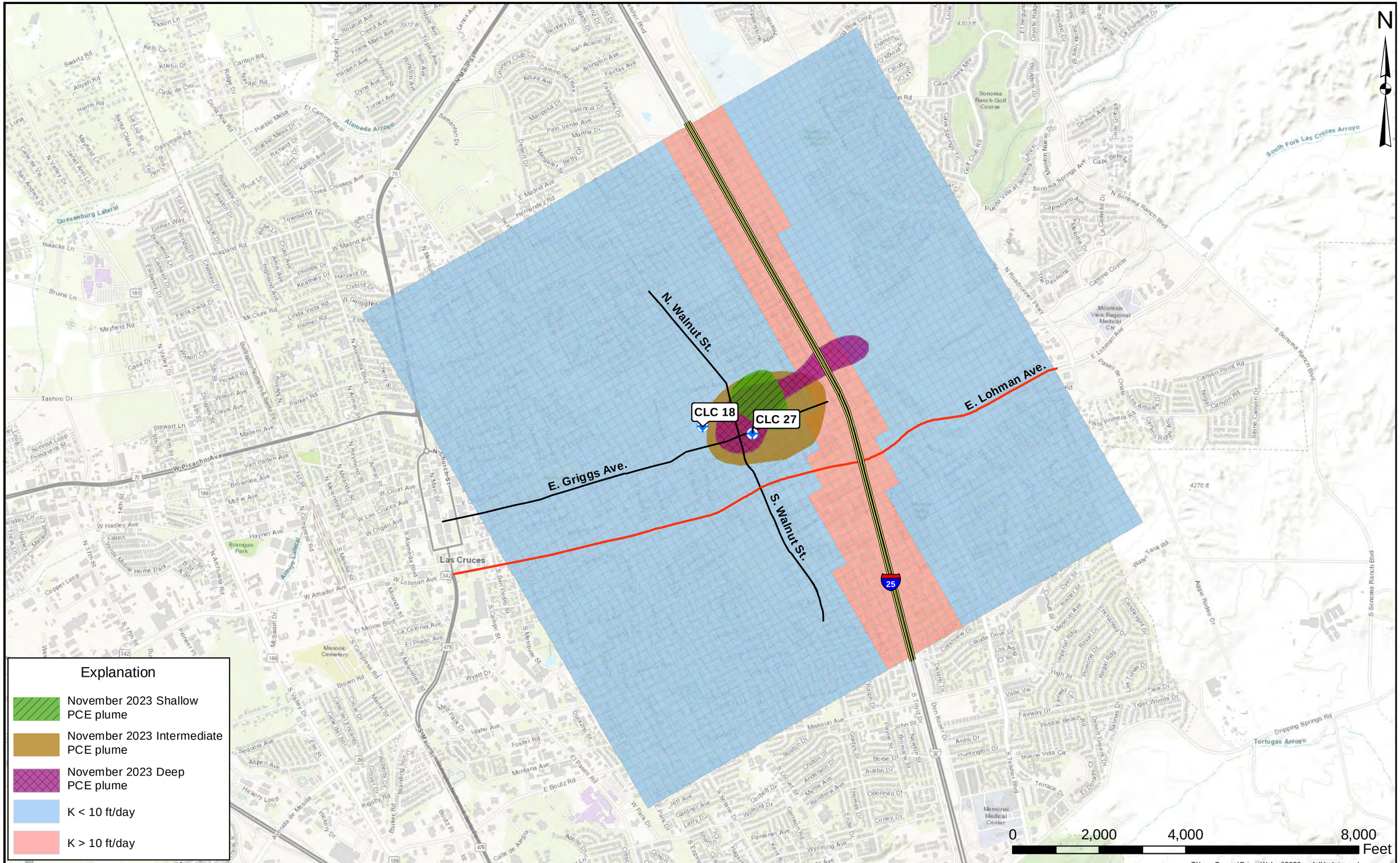


Figure 11. Map showing November 2023 Shallow, Intermediate and Deep PCE plumes and Model Layer 3 hydraulic conductivity zones, Griggs and Walnut Site, Las Cruces, New Mexico.

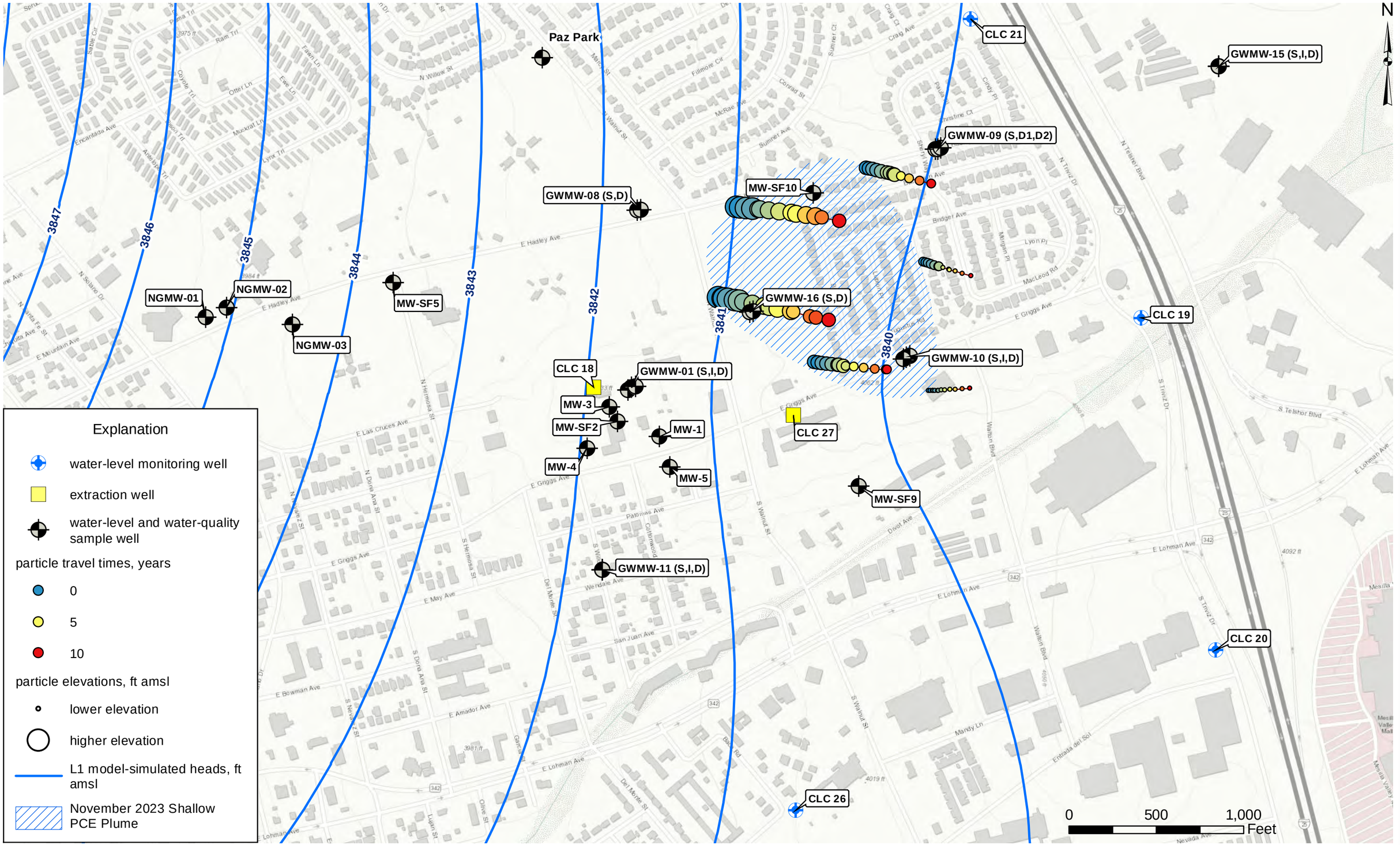
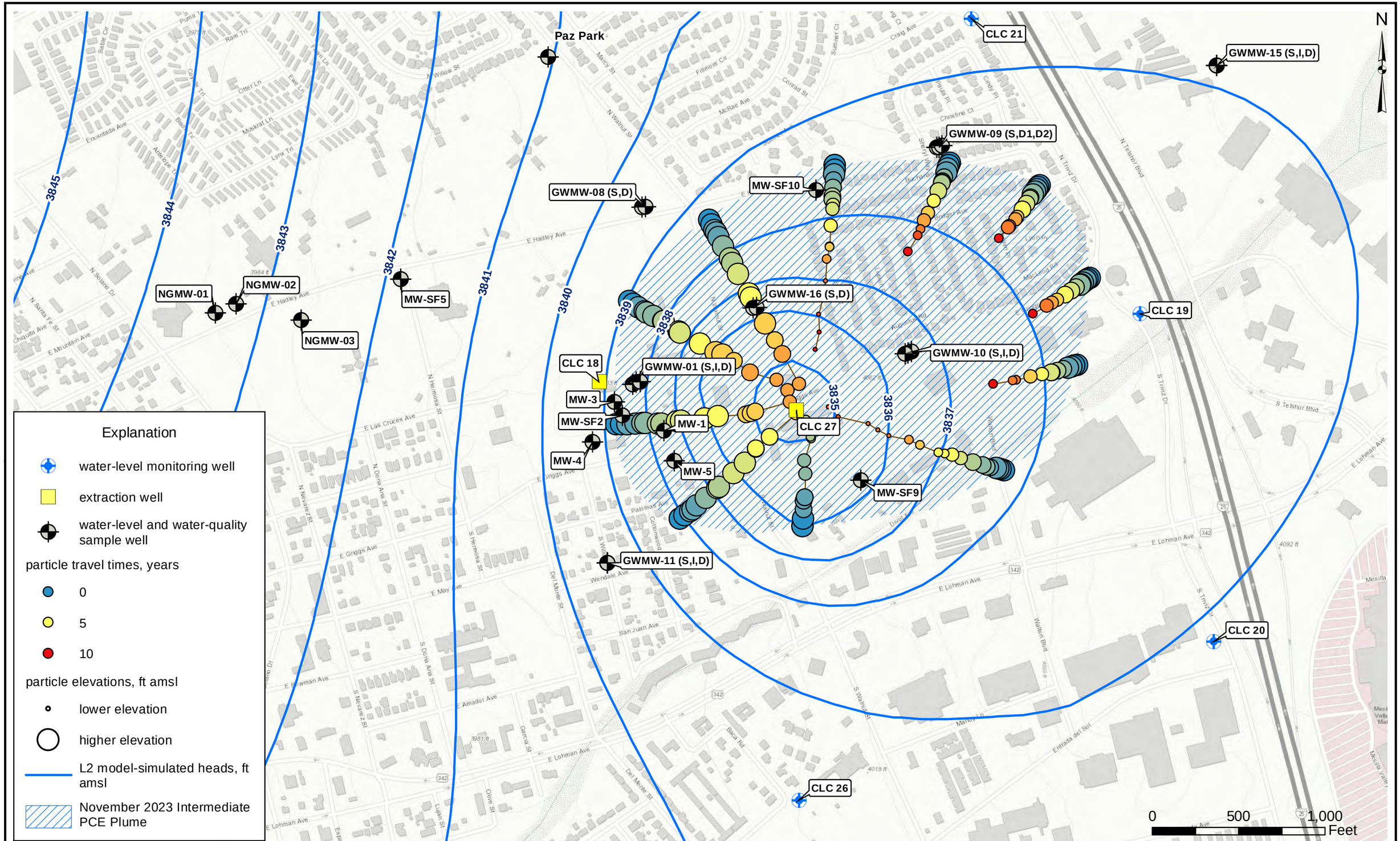


Figure 12. Map showing Novemberr 2023 PCE plume and Model Layer 1 (Shallow zone) 2032 simulated heads and 10 year particle tracking (2023 to 2032), Griggs and Walnut Site, Las Cruces, New Mexico.



T:\Las_Cruces\GriggsWalnut\2023_opt_rpt_LF_files.mxd

Figure 13. Map showing November 2023 PCE plume and Model Layer 2 (Intermediate zone) 2032 simulated heads and 10 year particle tracking (2023 to 2032), Griggs and Walnut Site, Las Cruces, New Mexico.

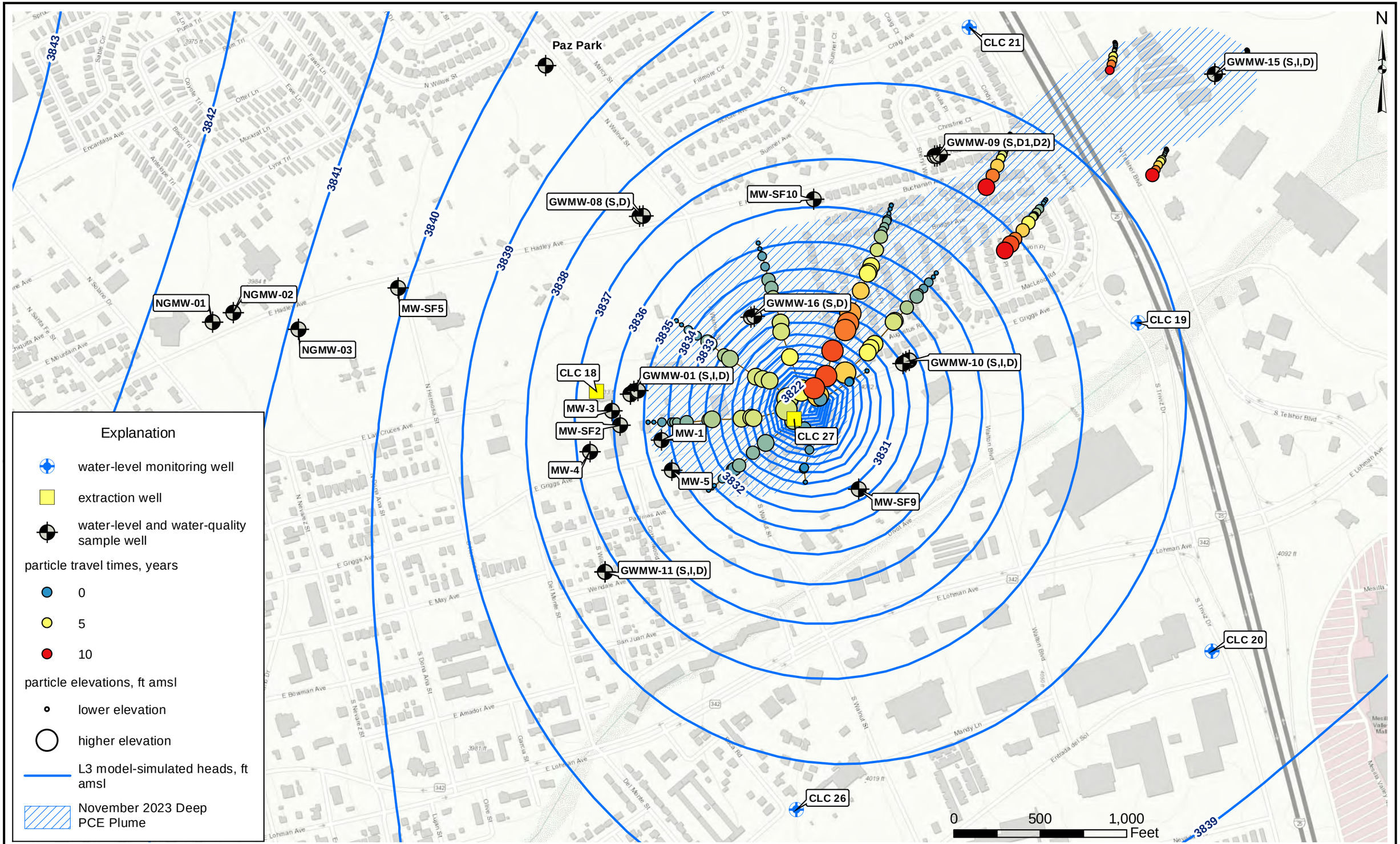


Figure 14. Map showing November 2023 PCE plume and Model Layer 3 (Deep zone) 2032 simulated heads and 10 year particle tracking (2023 to 2032), Griggs and Walnut Site, Las Cruces, New Mexico.

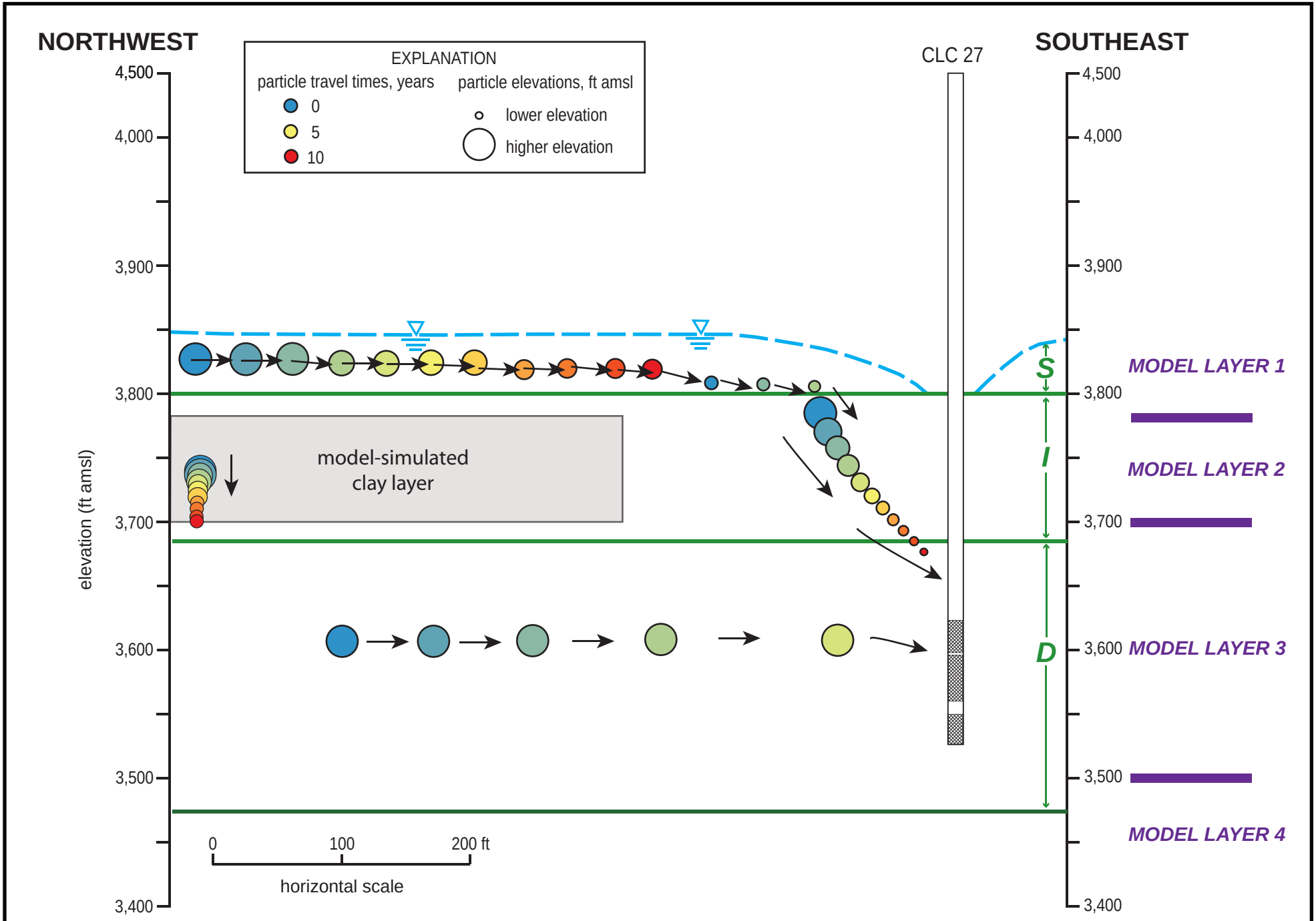


Figure 15. Illustrated cross-section showing model-simulated particle tracking for Layers 1, 2, and 3, Griggs and Walnut Site, Las Cruces, New Mexico.

Appendix C

Sampling Report with Laboratory Reports for Annual Groundwater Monitoring Event

DBS&A
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Appendix C. Groundwater Sampling Activities, November 2023

This appendix provides summarizes the groundwater monitoring and groundwater sampling activities that took place in November 2023 for inclusion in the 2023 annual report for the Griggs-Walnut Ground Water Plume Superfund Site (the GWP site).

C.1 Groundwater Sampling Methods and Water Levels

Daniel B. Stephens & Associates, Inc. (DBS&A) measured groundwater elevations and collected groundwater samples from wells at the GWP site on November 13 through 16, 2023 in accordance with the current sampling and analysis plan (SAP) (DBS&A, 2023).

Groundwater elevations were measured site-wide on November 13 through 16, 2023, and groundwater samples were collected on November 14 through 16, 2023. A total of 27 wells were sampled (Table C-1). There was insufficient volume in the HydraSleeve retrieved from MW-SF2 to collect a sample. Only water levels were measured in GWMW-06S, MW-1, MW-3, and MW-4. MW-5 was removed from the sampling program per the SAP. The sampling methods are provided in Table C-2.

C.2 Sampling Requirements and Documentation

In compliance with the SAP (DBS&A, 2023), equipment blanks were collected at a frequency of 1 per day when non-dedicated sampling equipment was used (i.e., when the bladder pump was used for sampling). Field blanks were filled using deionized water. Trip blanks were included in each cooler that was delivered to the analytical laboratory (Hall Environmental Analysis Laboratory [HEAL] in Albuquerque, New Mexico).

Sampling was documented on field sheets (Attachment C-1) that note date, well identification, sample identification, sample time, field personnel, casing diameter/type, depth to water, water level indicator, water quality meter, sampling method/equipment type, comments, and field parameter values (temperature, pH, and specific conductance). Measured water levels are summarized in Table C-3. Field parameter measurements are summarized in Table C-4. Project activities were also recorded in the project's bound field notebook (Attachment C-2). Sample

identification numbers from the SAP were used (e.g., GWMW-11I). The laboratory reports from HEAL are provided in Attachment C-3.

HydraSleeves were deployed 24 hours prior to sampling to enable groundwater reequilibration within the water column. Following a minimum 24-hour re-equilibration period, samples were collected by pulling each HydraSleeve at a rate of more than 1 foot per second to ensure opening of the sleeve's check valve, allowing groundwater from the targeted screen interval to enter the sleeve. Remaining water after sampling was put into a labeled container on-site, and was later disposed of at the City's wastewater treatment plant (WWTP). The graduated rope and weights were lowered back into the monitoring wells after sampling to be used again during the next sampling event. Deviations from the 24-hour period are explained below.

It is important to note that supply wells often have long or multiple screened intervals that pull water from across multiple layers within an aquifer. In contrast, wells that are designed for the purpose of groundwater monitoring are typically constructed with small, discrete screened intervals to provide a more distinct sense of water quality within a specific area of the aquifer. Potential data quality limitations related to the longer screened intervals in CLC supply wells include the following:

- *Dilution:* The primary limitation in collecting groundwater samples from supply wells is dilution of contaminants. A supply well will extract water from throughout the aquifer at a high rate of flow, mixing water from potentially contaminated intervals with water from uncontaminated intervals.
- *Preferential flow from low pressure zones:* It is conceivable that a portion of the aquifer exhibiting higher contaminant concentrations may pass unobserved due to uncontaminated water flowing from portions of the aquifer with higher hydraulic conductivity.
- *Proximity to known contamination:* CLC 26 is not located near the observed and assumed boundaries of the PCE plume, and has not historically exhibited detectable concentrations of PCE.

The SAP calls for sampling wells in order from the least to most contaminated. With the use of dedicated HydraSleeves, sampling in this order is less important. DBS&A attempted to follow this directive, but many limitations (e.g., traffic control availability, site accessibility limitations, unknown anticipated PCE concentrations in new wells, coordination with others to access wells, bladder pump difficulties) made sampling from least to most contaminated across the entire plume difficult. At a minimum, well clusters (e.g., GWMW-01S/I/D) were sampled from

anticipated least to most contaminated. No sampling equipment was reused during the November 2023 sampling event.

C.3 Sampling Difficulties and Well Conditions

Well-specific notes from the sampling event include the following:

- NGMW-03: A strong volatile odor was noted.
- MW-SF9: Water level was measured after dedicated tether was removed to attach HydraSleeve.
- MW-SF2: Insufficient water column to fill HydraSleeve; no sample collected.
- GWMW-16S: Rust reddish brown color was noted on the HydraSleeve.
- GWMW-16D: HydraSleeve weight lost in well.
- GWMW-10S: Water was noted as very turbid and reddish brown.
- GWMW-10I: Reddish-brown material noted in sample.
- GWMW-10D: Blockage was noted at approximately 100 feet below ground surface (bgs).
- GWMW-08S: A dark reddish-brown color was noted.
- GWMW-08D: Floating black particles noted in HydraSleeve.
- GWMW-11S: Anoxic odor noted.
- GWMW-11I: Turbid, light brown gray water was noted.
- GWMW-15S: Anoxic odor noted.
- GWMW-15I: Anoxic odor noted and a new HydraSleeve weight was installed.
- GWMW-15D: Anoxic odor noted.
- GWMW-01S: The sample was turbid and reddish-brown; a new HydraSleeve weight was installed.
- GWMW-01D: Dark material was noted floating in the sample. New tether and weights deployed, previous tether knotted and frayed.
- GWMW-09S: The sample color was noted as reddish brown.
- GWMW-09D2: Black floating material was noted in the sample.

- GWMW-09D1: HydraSleeve tether was replaced. Sample was noted as turbid.

Reference

Daniel B. Stephens & Associates, Inc. (DBS&A). 2023. *Sampling and analysis plan/Quality assurance project plan, Griggs-Walnut Ground Water Plume Superfund Site, Las Cruces, New Mexico*. Prepared for the Joint Superfund Project, Las Cruces, New Mexico. September 18, 2023 (Revised November 10, 2023).

Appendix C Tables

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Table C-1. Groundwater Samples Collected, November 2023

Sample Type	Number of Samples	Analyses [a]	Well ID
Monitoring wells	25	VOCs by EPA method 8260B	GWMW-01S, GWMW-01I, GWMW-01D, GWMW-08S, GWMW-08D, GWMW-09S, GWMW-09D1, GWMW-09D2, GWMW-10S, GWMW-10I, GWMW-10D, GWMW-11S, GWMW-11I, GWMW-11D, GWMW-15S, GWMW-15I, GWMW-15D, GWMW-16S, GWMW-16D, MW-SF5, MW-SF9, MW-SF10, NGMW-01, NGMW-02, and NGMW-03
City of Las Cruces production wells	2	Arsenic (total and dissolved), uranium (total and dissolved), and field parameters	CLC 18 and CLC 27
Duplicate	3	VOCs by EPA method 8260B	MW-SF10, GWMW-08D, GWMW-11D
MS/MSD	4	VOCs by EPA method 8260B	GWMW-15D (1 MS and 1 MSD), and GWMW-09S (1 MS and 1 MSD)
Field blank	3	VOCs by EPA method 8260B	Not applicable
Equipment blank	0	VOCs by EPA method 8260B	Not applicable
Trip blank	2	VOCs by EPA method 8260B	Not applicable

[a] Field parameters measured included pH, temperature, and specific conductance (provided in Table C-4).
VOCs = Volatile organic compounds
CLC = City of Las Cruces
EPA = U.S. Environmental Protection Agency
MS = Matrix spike
MSD = Matrix spike duplicate

Table C-2. Sampling Methods, November 2023

Sampling Method	Number of Samples	Well ID
Hydrasleeve	25	GWMW-01S, GWMW-01I, GWMW-01D, GWMW-08S, GWMW-08D, GWMW-09S, GWMW-09D1, GWMW-09D2, GWMW-10S, GWMW-10I, GWMW-10D, GWMW-11S, GWMW-11I, GWMW-11D, GWMW-15S, GWMW-15I, GWMW-15D, GWMW-16S, GWMW-16D, MW-SF5, MW-SF9, MW-SF10, NGMW-01, NGMW-02, and NGMW-03
Grab (dedicated pump)	2	CLC 18 and CLC 27

Table C-3. Groundwater Elevation Data, November 2023
Page 1 of 2

Well ID	Date of Measurement	Depth to Water (feet btoc)	Hydrologic Zone	Total Well Depth (feet)	Surveyed Measuring Point Elevation [a] (feet msl)	Groundwater Elevation (feet msl)
CLC 18	11/16/2023	213.23	S/I/D[b]	516.5	4,039.59	3,826.36
CLC 26	11/9/2023	180.88	D	700 [c]	4,014.15	3,833.27
CLC 27	11/16/2023	283.15	D	524	4,057.12	3,773.97
GWMW-01S	11/14/2023	195.82	S	230	4,038.69	3,842.87
GWMW-01I	11/14/2023	204.97	I	346	4,038.96	3,833.99
GWMW-01D	11/14/2023	204.62	D	560	4,038.29	3,833.67
GWMW-06S	11/14/2023	98.23	S	130	3,946.78	3,848.55
GWMW-08S	11/13/2023	176.08	S	210	4,020.09	3,844.01
GWMW-08D	11/13/2023	184.72	D	506	4,019.85	3,835.13
GWMW-09S	11/14/2023	211.16	S	230	4,051.10	3,839.94
GWMW-09D1	11/14/2023	214.52	D	426	4,050.79	3,836.27
GWMW-09D2	11/14/2023	214.69	D	565	4,051.11	3,836.42
GWMW-10S	11/14/2023	223.85	S	257 [c]	4,063.84	3,839.99
GWMW-10I	11/14/2023	229.77	I	386	4,063.95	3,834.18
GWMW-10D	11/14/2023	230.87	D	575	4,064.60	3,833.73
GWMW-11S	11/13/2023	179.96	S	205	4,022.72	3,842.76
GWMW-11I	11/13/2023	189.32	I	314	4,022.74	3,833.42
GWMW-11D	11/13/2023	189.8	D	540	4,022.67	3,832.87
GWMW-15S	11/13/2023	243.45	I	304.2	4,081.03	3,837.58
GWMW-15I	11/13/2023	244.03	D	475	4,081.06	3,837.03
GWMW-15D	11/13/2023	244	D	595	4,081.03	3,837.03
GWMW-16S	11/14/2023	191.07	S	205	4,033.07	3,842.00
GWMW-16D	11/14/2023	198.25	D	370	4,032.73	3,834.48
MW-1	11/14/2023	194.78	S	NM	4,037.14	3,842.36
MW-3	11/14/2023	Dry	S	189.7	4,034.56	Dry
MW-4	11/14/2023	Dry	S	185.7	4,031.59	Dry
MW-SF2	11/14/2023	193.05	S	200	4,035.71	3,842.66
MW-SF5	11/13/2023	150.38	S	152.73	3,995.63	3,845.25
MW-SF9	11/14/2023	192.28	S	203.1	4,032.35	3,840.07
MW-SF10	11/13/2023	196.84	S	204.4	4,038.66	3,841.82

Notes are provided at the end of the table.

Table C-3. Groundwater Elevation Data, November 2023
Page 2 of 2

Well ID	Date of Measurement	Depth to Water (feet btoc)	Hydrologic Zone	Total Well Depth (feet)	Surveyed Measuring Point Elevation [a] (feet msl)	Groundwater Elevation (feet msl)
NGMW-01	11/13/2023	129.20	S	170	3,975.48	3,846.28
NGMW-02	11/13/2023	134.53	S	170	3,980.79	3,846.26
NGMW-03	11/13/2023	139.23	S	170	3,985.11	3,845.88

[a] Provided by John Shomaker & Associates, Inc. based on City of Las Cruces records.

[b] Screen is in deep (D) zone, but thick gravel envelope allows for comingling of shallow (S) and intermediate (I) zones.

[c] Total depth based on most current records from Las Cruces Utilities. Total depth was not measured in the field.

btoc = Below top of casing
msl = Above mean sea level
NM = Not measured

Table C-4. Field Parameter Data, November 2023

Well ID	Date	Time	pH	Temperature (°C)	Specific Conductance (µS/cm)
CLC 18	11/16/2023	8:30	7.11	19.2	1,802
CLC 27	11/16/2023	8:20	7.56	21.6	1,003
GWMW-01S	11/15/2023	13:40	7.08	20.8	2,307
GWMW-01I	11/15/2023	13:05	7.26	20.8	1,976
GWMW-01D	11/16/2023	11:15	7.68	20.3	366.5
GWMW-08S	11/14/2023	15:25	7.36	20.4	2,069
GWMW-08D	11/14/2023	16:10	8.13	21.2	987
GWMW-09S	11/15/2023	8:40	7.42	19.2	2,165
GWMW-09D1	11/15/2023	9:40	7.23	19.6	2,166
GWMW-09D2	11/15/2023	9:05	7.52	19.6	1,544
GWMW-10S	11/15/2023	11:33	6.95	21.3	2,390
GWMW-10I	11/15/2023	11:20	7.03	21.5	2,044
GWMW-10D	11/15/2023	11:03	7.52	21.7	1,549
GWMW-11S	11/15/2023	15:05	7.22	20.4	1,966
GWMW-11I	11/15/2023	14:50	7.47	20.1	1,546
GWMW-11D	11/15/2023	14:33	7.94	20.5	732
GWMW-15S	11/15/2023	16:20	7.27	20.9	1,238
GWMW-15I	11/15/2023	16:13	7.17	21.2	1,701
GWMW-15D	11/15/2023	16:00	7.26	21.4	1,017
GWMW-16S	11/16/2023	9:45	6.95	20.1	1,496
GWMW-16D	11/16/2023	9:25	7.27	20.1	1,333
MW-SF2	11/15/2023	Not enough sample volume for parameters			
MW-SF5	11/15/2023	10:05	7.37	18.5	893
MW-SF9	11/15/2023	15:30	7.57	20.8	1,088
MW-SF10	11/15/2023	12:00	7.05	22.7	2,018
NGMW-01	11/15/2023	10:43	7.10	20.7	3,460
NGMW-02	11/15/2023	10:25	7.28	20.8	2,085
NGMW-03	11/15/2023	8:16	7.17	17.8	2,961

µS/cm = Microsiemens per centimeter

Attachment C-1

Field Forms

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/16/23
Sample Time: ~~0815~~ ms 0830

Well ID: CLC 18

Well Diameter: _____(inches)
Depth to NAPL: _____(feet btoc)
Depth to Water: 213.23 (feet btoc)
Total Depth of Well: _____(feet)

Height of Water Column: _____(feet)
Casing Volume: _____(gal)
Purge Volume: _____(gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	0830	7.11	19.2	1802	209.7	3.26	3.10
1				1875.58			
2				↘ deducted meter			
3							

Sample Description: 500 ml ACL, 250 ml HNO3 125 ml Filtered HNO3

Flow meter 84 gpm Totalizer 116736.1 US KC

Physical Observations: Pump turned on @ 0800, runs ~~1~~ m3 Once per week for 8 hrs.

Analytical Method(s): ~~8260B - VOCs~~ Total As + U, As speciation, As/U dissolved
200.8 3114B
200.8

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann
Sampler: IT, MS, YM
Sample Date: 11/16
Sample Time: 0850

Well ID: CLC 27
Well Diameter: _____(inches)
Depth to NAPL: _____(feet btoc)
Depth to Water: 283.15 MS (feet btoc)
Total Depth of Well: _____(feet)
Height of Water Column: _____(feet)
Casing Volume: _____(gal)
Purge Volume: _____(gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	0850	7.56	21.6	1003	146.1	4.29	1.69
1							
2							
3							

Sample Description: 500ml HCl, 250ml HNO3, 125ml Filter HNO3

Physical Observations: Pump pumps 24/7, Rate = ~~234.61 MS~~ 236.1 gpm
Totalizer = 967,326.0 ~~Kg~~ U.S. Kg

Analytical Method(s): ~~8260B - VOCs~~ Total As+U, 200.8 As speciation 3114B
As/U dissolved 200.8

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1043

Hydrasleeve deploy date 11/13/23
time - 1452

Well ID: NGMW01

Well Diameter: _____(inches)
Depth to NAPL: _____(feet btoc)
Depth to Water: 129.20 (feet btoc)
Total Depth of Well: 170 (feet)

Height of Water Column: _____(feet)
Casing Volume: _____(gal)
Purge Volume: _____(gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1043	7.10	20.7	3460	80.3	4.67	44.2
1							
2							
3							

Sample Description: _____

Physical Observations: dedicated tether, Clear, odor less

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1025

Hydra Sleeve deploy date 11/13/23 time 1435

Well ID: NGMW02
Well Diameter: _____(inches)
Depth to NAPL: _____(feet btoc)
Depth to Water: 134.53 (feet btoc)
Total Depth of Well: 170 (feet)

Height of Water Column: _____(feet)
Casing Volume: _____(gal)
Purge Volume: _____(gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1025	7.28	20.8	2085	62.3	5.38	18.3
1							
2							
3							

Sample Description: _____

Physical Observations: Dedicated tether, Clear odorless

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 0815
Hydra Sleeve Deploy date 11/13/23 time 1417

Well ID: NGMW03
Well Diameter: 2" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 139.23 (feet btoc)
Total Depth of Well: 170 (feet)

Height of Water Column: 30.77 (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	0814	7.17	17.8	2961	190.5	4.58	70.5
1							
2							
3							

Sample Description: _____

Physical Observations: Dedicated tether, Strong Volatile Smell

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann
Well ID: MW-SF9 MWSF09
Well Diameter: 2" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 192.28 (feet btoc)
Total Depth of Well: _____ (feet)

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: ~~1505~~ 1530
Deploy H.S.
Date: 11/14/23
Time: 14 19
Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: Hydrasleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	~~1505~~ 1530	7.57	20.8	1088	-78.	4.98	33.5
1							
2							
3							

Sample Description: _____

Physical Observations: New 1.9"x36" H.S
Water ~~Level~~ Level measured after tether pulled
Turbid to clear, odorless

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: ~~1400~~ N/A
~~Water Level~~ Deploy H.S
Date: 11/14/23
Time: 1340

Well ID: ~~MWSE01~~ MWSE02
Well Diameter: 2 (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: ~~19478~~ 193.05 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	—	—	—	—	—	—	—
1							
2							
3							

Sample Description: No Sample Collected

Physical Observations: New 1.9"x18" H.S
Insufficient Water Column to Fill Sleeve

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/13/23
Sample Time: 1005
HydraSleeve Deploy Date – 11/13/23
time 14.01

Well ID: MW5F5
Well Diameter: 2" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 150.38 (feet btoc)
Total Depth of Well: 152.73 (feet)

Height of Water Column: 2.35 (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: HydraSleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1005	7.37	18.5	893	32.0	12.30	42.5
1							
2							
3							

Sample Description: 3 VOAs,

Physical Observations: Dedicated tether, Clear, odorless

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/13/23
Sample Time: 1200

Hydra Sled Deploy date - 11/13/23
time - 15:15

Well ID: MWSF10

Well Diameter: _____(inches)
Depth to NAPL: _____(feet btoc)
Depth to Water: 196.84 (feet btoc)
Total Depth of Well: _____(feet)

Height of Water Column: _____(feet)
Casing Volume: _____(gal)
Purge Volume: _____(gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1200	7.05	22.7	2018	16.7	7.19	47.0
1							
2							
3							

Sample Description: 3 VOAs 3 VOAs - DUP

Physical Observations: dedicated tether Clear odorless

Analytical Method(s): 8260B - VOCs

DUP @ 1202

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Soccer

GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/16
Sample Time: 0945
HS Deploy
Date: 11/14/23
Time: 0835

Well ID: GWMW16-S
Well Diameter: 4" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 191.07 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	0945	6.95	20.1	1496	148.1	3.27	4.15
1							
2							
3							

Sample Description: 3 VOAs

Physical Observations: Sleeve is Rust Reddish-brown

Analytical Method(s): 8260B - VOCs

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a Geo-Logic Company

Soecer

GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/16
Sample Time: 0925

Well ID: GWMW16-D

HS Deploy
Date: 11/14/25 Time: 0825
Vol:

Well Diameter: 4 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 198.25 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	0925	7.27	20.1	1333	165.6	1.60	5.91
1							
2							
3							

Sample Description: 3 VOA
0930 - Collected FB_3

Physical Observations: Eye Ring in weight rusted out & weight dropped into well

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1133
H.S. Deploy
Date: 11/14/23
Time: 1182

Well ID: GWMW 10-S
Well Diameter: 4" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 223.85 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: Hydrasleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1133	6.95	21.3	2390	-94.6	2.62	>1000
1							
2							
3							

Sample Description: 3 VOAs

Physical Observations: New 2.9" x 12" H.S. dedicated Tether
very turbid, Reddish Brown,

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1120

Well ID: GWMW10-S I
H.S. Deploy
Date: 11/14/23
Time: 1135

Well Diameter: _____(inches)
Depth to NAPL: _____(feet btoc)
Depth to Water: 229.77 (feet btoc)
Total Depth of Well: _____(feet)

Height of Water Column: _____(feet)
Casing Volume: _____(gal)
Purge Volume: _____(gal)
Purge Method: Hydrasleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1120	7.03	21.5	2044	-14.3	2.08	67.9
1							
2							
3							

Sample Description: _____

Physical Observations: New 2.9" x 12" H.S
Clear w/ some reddish Brown material

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann
Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1103
H.S. Deploy Date: 11/14/23 Time: 1122
Well ID: GWMW 10-D
Well Diameter: 3" (inches)
Height of Water Column: _____ (feet)
Depth to NAPL: _____ (feet btoc)
Casing Volume: _____ (gal)
Depth to Water: 230.87 (feet btoc)
Purge Volume: _____ (gal)
Total Depth of Well: _____ (feet)
Purge Method: Hydrasleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1103	7.52	21.7	1549	-110.8	1.53	418
1							
2							
3							

Sample Description: 3 VOAs

Physical Observations: New 1.9" x 36" H.S
Restriction/Blockage ~ 100ft BTOC
Clear w/ some Black Floaty material

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann
Sampler: IT, MS, YM
Sample Date: 11/14/23
Sample Time: 1525
Hydrasleeve Deploy date – 11/13/23 time 1305
Well ID: GWMW08-S
Well Diameter: 3" 4" (inches)
Height of Water Column: _____ (feet)
Depth to NAPL: _____ (feet btoc)
Casing Volume: _____ (gal)
Depth to Water: 176.08 (feet btoc)
Purge Volume: 750 mL (gal)
Total Depth of Well: 210 (feet)
Purge Method: Hydrasleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1525	7.36	20.4	2069	212.7	27.1	> 1000
1							
2							
3							

Sample Description: 3 VOAs

Physical Observations: Dedicated Tether
Dark Reddish Brown, odorless

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/14/23
Sample Time: 1610
Hydrasleeve Deploy date - 11/13/23 time 1330

Well ID: GW MW08-D
Well Diameter: 3 (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 184.72 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1610	8.13	21.2	987	-106.1	4.00	16.8
1							
2							
3							

Sample Description: 3 VOAs, 3 VOAs For Dup @ 1612

Physical Observations: Dedicated tether
- Floating Black Particles w/ Increasing Concentrations From top to bottom of sleeve

Analytical Method(s): 8260B - VOCs

FB-1 @ 1620

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: ~~1433~~ 1505
Deploy date 11-13-23
time 1532

Well ID: GWMW11-5
Well Diameter: 3 (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 179.96 (feet btoc)
Total Depth of Well: 205 (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
~~Initial~~	~~1433~~		~~20.5~~				~~46.2~~
I	1805	7.22	20.4	19cell	-14.9	1.01	8.25
2							
3							

Sample Description: 3 VOA

Physical Observations: dedicated tether, Clear
Anoxic Smell

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1450

Hydrasleeve Deploy date - 11-13-23
time - 1543

Well ID: GWMW11-I
Well Diameter: 3 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 189.32 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1450	7.47	20.1	1546	-140.9	4.84	16.7
1							
2							
3							

Sample Description: 3 VOAs

Physical Observations: Dedicated tether, Turbid, light Brown grey

Analytical Method(s): 8260B - VOCs

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1433
Hydrasleeve deploy date - 11/13/23
time - 1559

Well ID: GW MW 11 - D
Well Diameter: 3 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 189.80 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1433	7.94	20.5	732	-99.5	2.02	46.2
1							
2							
3							

Sample Description: 3WORKS 3WORKS_Dup

Physical Observations: dedicated tether, Hydrasleeve w/ weights had a difficult time dropping into well, Felt as if was getting stuck along the way down. Clear, odorless

Analytical Method(s): 8260B - VOCs

_ Dup @ 1436

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1620

Deployed date 11/13/23
time 1640

Well ID: GASMW15-18S

Well Diameter: _____(inches)
Depth to NAPL: _____(feet btoc)
Depth to Water: 243.45 (feet btoc)
Total Depth of Well: 304.2 (feet)

Height of Water Column: _____(feet)
Casing Volume: _____(gal)
Purge Volume: _____(gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1620	7.27	20.9	1288	-65.6	3.39	4.56
1							
2							
3							

Sample Description: _____

Physical Observations: Clear Anoxic Smell

Analytical Method(s): 8260B - VOCs

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1613
Hydrasleeve deploy date - 11-13-23 time 1649

Well ID: GWMW15-I
Well Diameter: 3 (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 244.03 (feet btoc)
Total Depth of Well: 475 (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1613	7.17	21.2	1701	-47.4	3.42	17.6
1							
2							
3							

Sample Description: 3 VOAs

Physical Observations: dedicated tether, Clear Anoxic Smell

Replaced Wieght Due to Rusting.

Analytical Method(s): 8260B - VOCs

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1600

HydraSleeve deployed date 11/13/23 time — 1700

Well ID: GWMW15-D

Well Diameter: _____(inches)
Depth to NAPL: _____(feet btoc)
Depth to Water: 244.00 (feet btoc)
Total Depth of Well: 595 (feet)

Height of Water Column: _____(feet)
Casing Volume: _____(gal)
Purge Volume: _____(gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1600	7.26	21.4	1017	-117.9	1.76	24.3
1							
2							
3							

Sample Description: 3VOAs, 3VOAs-MS, 3VOAs MSD,

Physical Observations: dedicated tether, clear anoxic Smell

Analytical Method(s): 8260B - VOCs

-MS@1602 -MSD@1604

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1340

H.S Deploy
Date: 11/14/23
Time: 1235

Well ID: GWMW01-S
Well Diameter: 4" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 195.82 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: Hydrasleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1340	7.08	20.8	2307	10.5	1.71	>1000
1							
2							
3							

Sample Description: 3VOAs

Physical Observations: New 2.9"x12" H.S
Weigh rusted out-replaced, Turbid, Reddish Brown

Analytical Method(s): 8260B - VOCs

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 1305

Deploy H.S.
Date: 11/14/23
Time: 1225

Well ID: GWMW01-I
Well Diameter: 6" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 204.97 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: Hydrasleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1305	7.26	20.8	1976	25.8	1.42	32.4
1							
2							
3							

Sample Description: 3VOAs

Physical Observations: New 2.9" x 12" H.S.
Clear, odorless

Analytical Method(s): 8260B - VOCs

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/16/23
Sample Time: 1115
H.S. Deploy - 11/14/23 time 1055

Well ID: GWMW-01D
Well Diameter: 3" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 204.62 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	1115	7.68	20.3	366.5	-151.0	1.41	5.53
1							
2							
3							

Sample Description: 3 VOAs

Physical Observations: Dedicated Tether, Clear, w/ some dark material. Floating

Analytical Method(s): 8260B - VOCs

Redeployed new H.S. with new tether & weights due to tether became knotted and tangled. @ 1315

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 0840
HS Deployed
Date: 11/14/23
Time: 0900

Well ID: ~~GWMW-09S~~ GWMW09-S
Well Diameter: 4" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 211.16 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: HydraSleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	840	7.42	19.2	2165	168.6	4.68	>1000
1							
2							
3							

Sample Description: 3 VOA + 6 VOAs for MS & MSD

Physical Observations: New 12"x2.9" HS, Reddish Brown, odorless

Analytical Method(s): 8260B - VOCs

- MS @ 0842 - MSD 0843

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann
Well ID: ~~MW-09D2~~ GWMW-09D2
Well Diameter: 3" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 214.69 (feet btoc)
Total Depth of Well: _____ (feet)

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 0905
HS Deployed
Date: 11/14/23
Time: 0923
Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: Hydrasleeve

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	0905	7.52	19.6	15444	-129.0	1.54	87.2
1							
2							
3							

Sample Description: 3 VOAs

Physical Observations: New 2.9"x36" H.S. Deployed Clear to turbid, Black floating material w/ increasing concentration Changed weight to a thinner diameter,

Analytical Method(s): 8260B - VOCs

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GROUNDWATER MONITORING DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Sample Date: 11/15/23
Sample Time: 0940
H.S. Deployed
Date: 11/14/23
Time: 1015

Well ID: GWMW09-D1
Well Diameter: 5" (inches)
Depth to NAPL: _____ (feet btoc)
Depth to Water: 214.52 (feet btoc)
Total Depth of Well: _____ (feet)

Height of Water Column: _____ (feet)
Casing Volume: _____ (gal)
Purge Volume: _____ (gal)
Purge Method: _____

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	Time	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	0940	7.23	19.6	2146	-67.3	2.08	291
1							
2							
3							

Sample Description: 3 VOAs,

Physical Observations: New 2.9" x 12" H.S.
Old Tether Knotted. replaced at 415', Turbid, odorless

Analytical Method(s): 8260B - VOCs

DBS&A
a Geo-Logic Company

GROUNDWATER ELEVATION DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann
Sampler: IT, MS, YM
Date: 11-13-23
Sheet # 1 of 3

Well ID	Time	Sample Date, Time ~~Depth~~ to NAPL	Depth to Water	Total Depth	Comments
GWMW08-S	1305 ~~1355~~	04/14 1525	176.08		4" casing / 2.9x12 HS
+DUP GWMW08-D ~~GWMW~~	1330	~~GW~~ 11/14 1610	184.72		3" casing / 1.9x 36 HS
MWSF5	1401	11/15 1005	180.38 179.23		2" casing / 1.5x 12 H.S.
NGMW03	1417	11/15 0815	~~184.53~~		4" casing / 2.9x12 H.S. strong volatile odor
NGMW02	1435	11/15 1025	134.53		4" casing / 2.9x12 H.S.
NGMW01	1452	11/15 1043	129.20		4" casing / 2.9x 12 H.S
+DUP MWSF10	1515	11/15 1200	196.84		2" casing / 1.9x 18 H.S.
GWMW11-S	1532	11/15 1505	179.96		3" casing / 1.9x 36 H.S.
GWMW11-I	1543	11/15 1450	189.32		3" casing / 1.9 x 36 H.S.
+DUP GWMW11-D	1559	11/15 1433	189.80		3" Casing / 1.9 x 36 H.S.
GWMW15-S	1640	11/15 1620	243.45		3" Casing / 1.9 x 36 H.S
GWMW15-I	1649	11/15 1613	244.03		3" Casing / 1.9 x 36 H.S.
+MS/MSD GWMW15D	1700	11/15 1600	244.00		3" Casing / 1.9 x 36 H.S.
11/14 GWMW16D	0825	11/16 0925	198.25		4" Casing / 2.9" x 12" H.S.
11/14 GWMW16S	0835	11/16 0945	191.07		4" Casing / 2.9" x 12" HS.

Comments: 11/15/23 FB_2 11/16 FB_3
11/14/23 FB_1

* Depths are in Feet Below Top of Casing

DBS&A
a Geo-Logic Company

GROUNDWATER ELEVATION DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Date: 11/14/23
Sheet # 2 of 3

Sample Date, Time

Well ID	Time	~~Depth to NAPL~~	Depth to Water	Total Depth	Comments
+ MS/MSD GWMW09S	0900	~~11/15~~ 11/15 0840	211.16		4" Casing / 2.9" x 12" H.S.
GWMW09D	~~0920~~ 0923	11/15 0905	214.69		3" Casing / 2.9" x ~~12"~~ 36" H.S.
GWMW09I	1015	11/15 0940	214.52		5" Casing / 2.9" x 12" H.S.
MS collected 11/16 GWMW01D	1055	~~11/15~~ 11/15 ~~1100~~	204.62		3" Casing / ~~2.9" x 12"~~ 2.9" x 36" HS.
GWMW10D	1122	11/15 1103	230.87		3" Casing / 1.9 x 36" HS
GWMW10I	1135	11/15 1120	229.77		5" Casing / 12" x 2.9" H.S.
GWMW10S	1152	11/15 1133	223.85		4" Casing / 12" x 2.9" H.S.
~~GWMW10~~ GWMW01I	1225	11/15 1305	204.97		5" Casing / 12" x 2.9" H.S
GWMW01S	1235	11/15 1340	195.82		4" Casing / 12" x 2.9 H.S
~~MW01 MWSF01~~	1324	—	194.78		Water Level Only
MWSF02	1340	11/15 N/A ~~1400~~	193.05		2" Casing / 1.9" x 18" H.S.
MW03	1345	—	Dry	196.61	Water Level Only
MW04	1355	—	Dry	191.55	Water Level Only
MWSF09	1419	11/15 1530	192.28		2" Casing / 1.9" x 36" H.S.
GWMW06S	1438	—	~~198.23~~ 98.23		Water Level Only

Comments:

* Depths are in Feet Below Top of Casing

DBS&A
a Geo-Logic Company

GROUNDWATER ELEVATION DATA SHEET

Project Name: Griggs-Walnut
Project #: DB23.1349.00 P1 T2
Project Manager: G. Herrmann

Sampler: IT, MS, YM
Date: 11/16/23
Sheet # 3 of 3

Sample time/date

Well ID	Time	Depth to ~~NAPL~~	Depth to Water	Total Depth	Comments
CLC 18	~~0815~~ MS	11/16 0830 ~~0815~~	213.23		
CLC 27	11/16 0850	11/16 0850	283.15		
C					

Comments:

* Depths are in Feet Below Top of Casing

Chain-of-Custody Record

Client: DBS &A

Mailing Address: 6020 Academy NE
ABQ NM 87109

Phone #: (505) 822-9400

email or Fax#: gherrmann@geo-logic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Griggs-Walnut

Project #: DB23.1349

Project Manager: Grace Herrmann

Sampler: Mercedes Salazar

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): -1 + 2 = 1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/15	1620	GW	GWMW-15S	3, VOA	$HgCl_2$									X		
	1613		GWMW-15I													
	1600		GWMW-15D													
	1433		GWMW-11D													
	1450		GWMW-11I													
	1505		GWMW-11S													
	1200		MW-SF10													
	1202		MW-SF10-DUP													
	1043		NGMW-01													
	1025		NGMW-02													
	0815		NGMW-03													
↓	1005	↓	MW-SF5	↓	↓									↓		

Date: 11/16 Time: 1523 Relinquished by: Mercedes Salazar

Received by: Via: CD Date: 11/16/15 Time: 15:25

Date: Time: Relinquished by:

Received by: Via: Date: Time:

Remarks:

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

Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 ACADEMY NE ABQ NM 87109

Phone #: 505 822 9400

email or Fax#: gherman@geo-logic.com

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☑ Standard ☐ Rush

Project Name: Griggs – Walnut

Project #: DB23.1349

Project Manager: Grace Herman

Sampler: M. Salazar

On Ice: ☑ Yes ☐ No Marty

# of Coolers: 2

Cooler Temp (Including CF): 3.4 -0.1 -3.3 (°C) 2.3 -0.1 -2.2 °C

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11/14	1610	GW	GW MW-08D	3 VOA	$HgCl_2$	
11/14	1620		FB_1			
11/14	1525		GWMW-08S			
11/15	0840		GWMW-09S			
	0842		GWMW-09S_MS			
	0843		GWMW-09S_MSD			
	0905		GWMW-09D2			
	0940		GWMW-09D1			
	1103		GWMW-10D			
	1120		GWMW-10I			
	1133		GWMW-10S			
	1305		GWMW-01I			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11/16	1523	Marcella Gallegos		CDJ	11/16/13	15:25

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
							X								

Remarks:

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

Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 Academy NE ABQ NM 87109

Phone #: (505) 422-9400

email or Fax#: gherrmann@geology.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: Griggs - Walnut

Project #: DB23 1349

Project Manager: Grace Herrmann

Sampler:

On Ice: ☒ Yes ☐ No marty

# of Coolers: 2

Cooler Temp(including CF): 3.4-0.1=3.3 (°C) 2.3-0.1=2.2 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Total As 200.8	Dissolved As 200.8				
11/15	0905	GW	~~FB-3~~ FB-2 ~~FB-3~~	VOA 3	$HgCl_2$									X								
11/15	1340		GWMW-01S	VOA 3										X								
~~11/16~~ 11/17	1115		GWMW-01D	VOA 3										X								
11/15	1530		MW-SE9	VOA 3										X								
11/16	0945		GWMW-16S	VOA 3										X								
11/16	0930		GWMW-16D	VOA 3										X								
11/16	0830		CLC 18	Plastic 3	Various												X	X				
11/16	0850		CLC 27	Plastic 3	Various												X	X				
			Trip Blank																			
			Trip Blank																			
11/14	1612		GWMW-08D-DUP	VOA 3	$HgCl_2$									X								
11/15	1436		GWMW-11D-DUP	VOA 3	$HgCl_2$									X								

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
~~11/16~~ 11/17	1523			CDO	11/16/23	15:35
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

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

Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 Academy NE
ABQ NM 87109

Phone #: (505) 822-9400

email or Fax#: gherrmann@geologic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Griggs-Walnut

Project #: DB23-1349

Project Manager: Grace Herrmann

Sampler: M Salazar

On Ice: ☒ Yes ☐ No monday

# of Coolers: 2

Cooler Temp(including CF): 3.4 - 0.1 = 3.3 (°C)
2.3 - 0.1 = 2.2

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11/16	0930	GW	FB-3	VOA 3	HgCl2	
11/15	1602		GWMW-15D-MS			
11/15	1604		GWMW-15D-MSD			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11/16	1523			CDO		
					11/16/23	15:25

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
							X		

Remarks:

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

Attachment C-2

Field Notes

DBS&A
a Geo-Logic Company

Griggs-Walnut V/M, IT, MS 11-13-23

weather: 45-61°, overcast calm

- 1140 - Arrive onsite - Tailgate meeting

1305 Deployed new HS 2.9 x 12 @ GWMW08-S

1330 GWMW08-D Deployed new 1.9 x 36 H.S.

1401 MWSF5 Deployed new 1.5 x 12 H.S. Dedicated tether

1417 NGMW03 Deployed new 2.9 x 12 H.S. Dedicated tether

1435 NGMW02 Deployed new 2.9 x 12 H.S. Dedicated tether

1452 NGMW01 deployed new 2.9 x 12 H.S. dedicated tether

1515 MWSF10 deployed new 1.9 x 18 H.S. dedicated tether

1532 GWMW11-S deployed new 1.9 x 36 H.S., dedicated tether

1543 GWMW11-I deployed new 1.9 x 36 H.S., dedicated tether

1559 GWMW11-D deployed new 1.9 x 36 H.S., dedicated tether

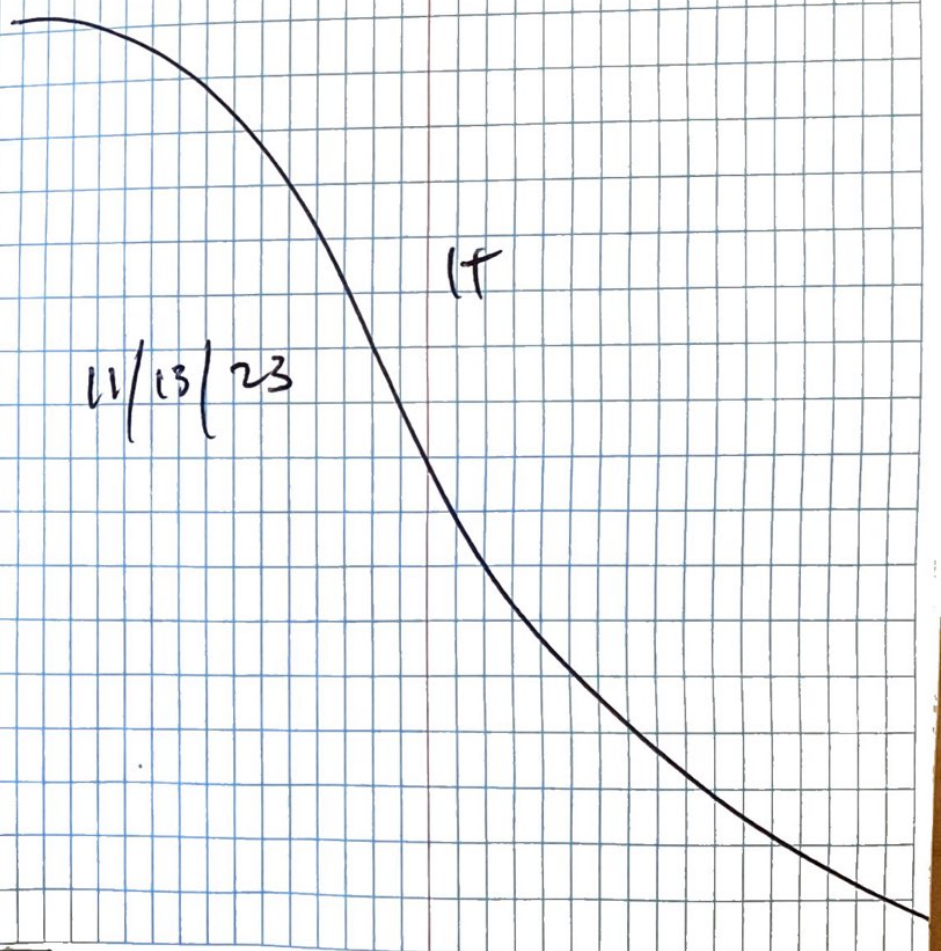
1640 GWMW15-~~S~~ deployed new 1.9 x 36 ~~GWD~~ H.S., dedicated tether

1649 GWMW15-I deployed New H.S. 1.9 x 36, dedicated

V/M, IT, MS Griggs Walnut 11/13/23

1700 GWMW15-D deployed new H.S. 1.9 x 36

1715 Groundwater monitoring complete for today. Packing Equipment. DBS & crew off site



Griggs-Walnut, YM, IT, MS 11/14/23
Weather: Clear, Partly overcast
43-65°F

0700 Leave hotel, begin day
· Ice

0730 Tailgate safety meeting

0737 @ Site, GWMW-16-S/D
· Gate locked, wait for city

0800 City grants access
· Chuck & Josh

0825 GWMW-16D
Deployed New ~~0.0.0.0~~ H.S
.12 x 2.9

0835 GWMW-16S
Deployed New 2.9" x 12" H.S.

0900 GWMW-09S
Deployed new 12" x 2.9" HS

0923 GWMW09-D2
Deployed new 2.9" x 36" H.S.

1015 GWMW09-D1
Deployed new 2.9" x 12" H.S
Tether knotted, replaced (@ 415')

1055 GWMW01-D 2.9" x 36"
Deployed new ~~12" x 2.9"~~ H.S

1122 GWMW10-D
Deployed new 1.9" x 36" H.S

Griggs-Walnut; YM, IT, MS ; 11/14/23

GWMW10-D
Restriction ~ 100Ft BTOC

1135 GWMW10-I
Deployed new 12" x 2.9"

1152 GWMW10-S
Deployed new 12" x 2.9"

1225 GWMW01-I
Deployed new 2.9" x 12" H.S.

1235 GWMW01-S
Deployed new 2.9" x 12" HS
Weight rusted out- replaced

1324 ~~MWSF01~~ MW01
Water Level Only

1340 ~~MW04~~ ~~MWSF02~~
Deploy new 1.9" x 18" H.S

1345 MW03
~~1345~~ Water Level Only
Dry @ 196.61'

1355 MW04
Water Level Only
Dry @ 191.55'

1419 MWSF09
Deploy new 1.9" x 36" H.S
Water Level measured after tether pulled

1438 GWMW06-S
ater Level Only

Griggs - Walnut | YM, IT, MS | 11/14/23

1453 At GWMW08-S

Calibrate YSI;

1528 ~~X~~GWMW-08S 3VOAs

Sample

~~1S~~ ~~GWMW-08D Sample 3VOAs~~

~~GWMW08-S_Dup~~

1610 GWMW-08D Sample 3VOAs

1612 GWMW-08D_Dup Sample 3VOAs

· Floating Black Particles, w/ Increasing Concentration from Top to Bottom of Sleeve

1620 ~~FB1 MS Sample~~ FB_1 Sample 3VOAs

· Call PM for Name verification

1645 Done for Day / Off S. to

Griggs-Walnut | YM, IT, MS | 11/15/23

Weather: 41-70°F

0715 Leave Hotel

0720 Speedway for Ice

0730 On Site

~~MWSF05 Sample 3VOAs MS~~

~~NGMW-03 Sample 3VOAs MS~~

Had Tailgate Safety meeting

Moved to NGMW-03

Maintenance worker with Blower was making an excessive amount of Dust.

0750 Calibrating YSI

0815 Collected ~~Rinsate~~ NGMW-03

0840 Collected GWMW-09S

0842 Collected GWMW-09S_MS

0843 Collected GWMW-09S_MSD

0905 Collected GWMW-09D2

0908 Collected FB_2

0940 Collected GWMW-09D1

1005 Collected MW-SF5

1025 Collected NGMW-02

1043 Collected NGMW-01

1103 Collected GWMW-10D

1120 Collected GWMW-10I

11/15/23 Griggs-Walnut LT/MS/YM

1133 Collected GWMW-01S
1200 Collected MW-SF10
1202 Collected MW-SF10_DUP
1245 Collected GWMW-01D
1305 Collected GWMW-01I
1315 * GWMW-01D - redeployed new Hs. w/ new tether, and new weights
1340 Collected GWMW-01S
1400 MW-SF2 ~~Collected~~ MS
- Sample NOT Collected
- Insufficient Water Column to fill sleeve

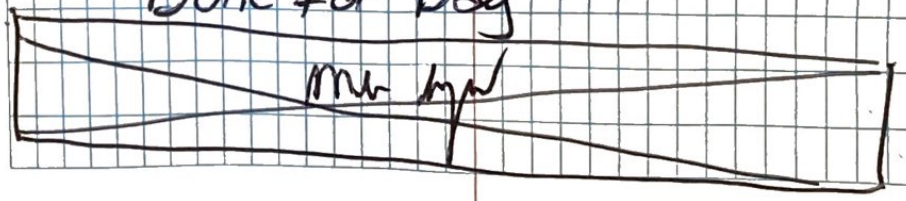
1433 Collected GWMW-11D
1436 Collected GWMW-11D_DUP
1450 Collected GWMW-11I
1505 Collected GWMW-11S
1530 Collected MW-SF9
1600 Collected GWMW-15D
1604 Collected GWMW-15D_MS
1604 Collected GWMW-15D_MSD
1613 Collected GWMW-15I
1620 Collected GWMW-15S
1637 Had End of Day meeting tomorrow will be CLC 18, 27, and GWMW01D. At office

11-15-23

LT/MS/YM Griggs-Walnut 11/16/23

0745 Leave hotel, Clock In
0800 Meet Chuck @ CLC 18
0805 Tailgate safety meeting
0830 Collect ~~GWMW-18~~ MS
CLC 18
0845 Access to CLC 27 with Chuck
0850 Collected CLC 27
0900 Speedway For Ice
0917 Access to GWMW-16
0925 Collected GWMW-16D
0930 Collected FB-3
0945 Collected GWMW-16S
1015 Access to GWMW-01D
- Paperwork

1109 Call Greg Schnarr For Oversight* of Sampling
1115 Collected GWMW-01D
1145 Load Equip, All samples on Ice
1523 Dropoff Samples @ Hall
1630 At Office
Done for Day



Attachment C-3

Laboratory Reports

DBS&A
a Geo-Logic Company

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 19, 2023

Grace Herrmann

Daniel B. Stephens & Assoc.
6020 Academy NE Suite 100
Albuquerque, NM 87109
TEL: (505) 822-9400
FAX: (505) 822-8877

RE: Griggs Walnut OrderNo.: 2311907

Dear Grace Herrmann:

Eurofins Environment Testing South Central, LLC received 35 sample(s) on 11/16/2023 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-15S
Project: Griggs Walnut **Collection Date:** 11/15/2023 4:20:00 PM
Lab ID: 2311907-001 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 3:15:49 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 3:15:49 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 3:15:49 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 3:15:49 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-15S
Project: Griggs Walnut
Collection Date: 11/15/2023 4:20:00 PM
Lab ID: 2311907-001
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 3:15:49 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 3:15:49 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 3:15:49 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 3:15:49 PM	R101434
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%Rec	1	11/27/2023 3:15:49 PM	R101434
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	11/27/2023 3:15:49 PM	R101434
Surr: Dibromofluoromethane	89.0	70-130		%Rec	1	11/27/2023 3:15:49 PM	R101434
Surr: Toluene-d8	94.7	70-130		%Rec	1	11/27/2023 3:15:49 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-15I
Project: Griggs Walnut
Collection Date: 11/15/2023 4:13:00 PM
Lab ID: 2311907-002
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 3:43:02 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 3:43:02 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 3:43:02 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 3:43:02 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-15I
Project: Griggs Walnut
Collection Date: 11/15/2023 4:13:00 PM
Lab ID: 2311907-002
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 3:43:02 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 3:43:02 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Tetrachloroethene (PCE)	19	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 3:43:02 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 3:43:02 PM	R101434
Surr: 1,2-Dichloroethane-d4	93.8	70-130		%Rec	1	11/27/2023 3:43:02 PM	R101434
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/27/2023 3:43:02 PM	R101434
Surr: Dibromofluoromethane	94.6	70-130		%Rec	1	11/27/2023 3:43:02 PM	R101434
Surr: Toluene-d8	97.2	70-130		%Rec	1	11/27/2023 3:43:02 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-15D
Project: Griggs Walnut **Collection Date:** 11/15/2023 4:00:00 PM
Lab ID: 2311907-003 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 4:10:13 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 4:10:13 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 4:10:13 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 4:10:13 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-15D
Project: Griggs Walnut **Collection Date:** 11/15/2023 4:00:00 PM
Lab ID: 2311907-003 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 4:10:13 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 4:10:13 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 4:10:13 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 4:10:13 PM	R101434
Surr: 1,2-Dichloroethane-d4	98.7	70-130		%Rec	1	11/27/2023 4:10:13 PM	R101434
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	11/27/2023 4:10:13 PM	R101434
Surr: Dibromofluoromethane	97.9	70-130		%Rec	1	11/27/2023 4:10:13 PM	R101434
Surr: Toluene-d8	96.0	70-130		%Rec	1	11/27/2023 4:10:13 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-11D
Project: Griggs Walnut **Collection Date:** 11/15/2023 2:33:00 PM
Lab ID: 2311907-004 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 4:37:26 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 4:37:26 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 4:37:26 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 4:37:26 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-11D
Project: Griggs Walnut
Collection Date: 11/15/2023 2:33:00 PM
Lab ID: 2311907-004
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 4:37:26 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 4:37:26 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 4:37:26 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 4:37:26 PM	R101434
Surr: 1,2-Dichloroethane-d4	97.7	70-130		%Rec	1	11/27/2023 4:37:26 PM	R101434
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/27/2023 4:37:26 PM	R101434
Surr: Dibromofluoromethane	96.9	70-130		%Rec	1	11/27/2023 4:37:26 PM	R101434
Surr: Toluene-d8	95.0	70-130		%Rec	1	11/27/2023 4:37:26 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-11I
Project: Griggs Walnut **Collection Date:** 11/15/2023 2:50:00 PM
Lab ID: 2311907-005 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 5:31:39 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 5:31:39 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 5:31:39 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 5:31:39 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-11I
Project: Griggs Walnut
Collection Date: 11/15/2023 2:50:00 PM
Lab ID: 2311907-005
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 5:31:39 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 5:31:39 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 5:31:39 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 5:31:39 PM	R101434
Surr: 1,2-Dichloroethane-d4	97.8	70-130		%Rec	1	11/27/2023 5:31:39 PM	R101434
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/27/2023 5:31:39 PM	R101434
Surr: Dibromofluoromethane	96.1	70-130		%Rec	1	11/27/2023 5:31:39 PM	R101434
Surr: Toluene-d8	98.8	70-130		%Rec	1	11/27/2023 5:31:39 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-11S
Project: Griggs Walnut
Collection Date: 11/15/2023 3:05:00 PM
Lab ID: 2311907-006
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 5:58:46 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 5:58:46 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 5:58:46 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 5:58:46 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-11S
Project: Griggs Walnut **Collection Date:** 11/15/2023 3:05:00 PM
Lab ID: 2311907-006 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 5:58:46 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 5:58:46 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 5:58:46 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 5:58:46 PM	R101434
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	11/27/2023 5:58:46 PM	R101434
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/27/2023 5:58:46 PM	R101434
Surr: Dibromofluoromethane	102	70-130		%Rec	1	11/27/2023 5:58:46 PM	R101434
Surr: Toluene-d8	94.5	70-130		%Rec	1	11/27/2023 5:58:46 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MW-SF10
Project: Griggs Walnut
Collection Date: 11/15/2023 12:00:00 PM
Lab ID: 2311907-007
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 6:25:50 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 6:25:50 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 6:25:50 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 6:25:50 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MW-SF10
Project: Griggs Walnut **Collection Date:** 11/15/2023 12:00:00 PM
Lab ID: 2311907-007 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 6:25:50 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 6:25:50 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Tetrachloroethene (PCE)	9.2	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 6:25:50 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 6:25:50 PM	R101434
Surr: 1,2-Dichloroethane-d4	98.2	70-130		%Rec	1	11/27/2023 6:25:50 PM	R101434
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	11/27/2023 6:25:50 PM	R101434
Surr: Dibromofluoromethane	100	70-130		%Rec	1	11/27/2023 6:25:50 PM	R101434
Surr: Toluene-d8	94.6	70-130		%Rec	1	11/27/2023 6:25:50 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MW-SF10_DUP
Project: Griggs Walnut
Collection Date: 11/15/2023 12:02:00 PM
Lab ID: 2311907-008
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 6:52:54 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 6:52:54 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 6:52:54 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 6:52:54 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MW-SF10_DUP
Project: Griggs Walnut
Collection Date: 11/15/2023 12:02:00 PM
Lab ID: 2311907-008
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 6:52:54 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 6:52:54 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Tetrachloroethene (PCE)	9.4	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 6:52:54 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 6:52:54 PM	R101434
Surr: 1,2-Dichloroethane-d4	96.7	70-130		%Rec	1	11/27/2023 6:52:54 PM	R101434
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	11/27/2023 6:52:54 PM	R101434
Surr: Dibromofluoromethane	98.8	70-130		%Rec	1	11/27/2023 6:52:54 PM	R101434
Surr: Toluene-d8	98.8	70-130		%Rec	1	11/27/2023 6:52:54 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** NGMW-01
Project: Griggs Walnut **Collection Date:** 11/15/2023 10:43:00 AM
Lab ID: 2311907-009 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 7:19:59 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 7:19:59 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 7:19:59 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 7:19:59 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** NGMW-01
Project: Griggs Walnut **Collection Date:** 11/15/2023 10:43:00 AM
Lab ID: 2311907-009 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 7:19:59 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 7:19:59 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 7:19:59 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 7:19:59 PM	R101434
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	11/27/2023 7:19:59 PM	R101434
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	11/27/2023 7:19:59 PM	R101434
Surr: Dibromofluoromethane	106	70-130		%Rec	1	11/27/2023 7:19:59 PM	R101434
Surr: Toluene-d8	98.2	70-130		%Rec	1	11/27/2023 7:19:59 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** NGMW-02
Project: Griggs Walnut **Collection Date:** 11/15/2023 10:25:00 AM
Lab ID: 2311907-010 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 7:47:04 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 7:47:04 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 7:47:04 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 7:47:04 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: NGMW-02
Project: Griggs Walnut
Collection Date: 11/15/2023 10:25:00 AM
Lab ID: 2311907-010
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 7:47:04 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 7:47:04 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 7:47:04 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 7:47:04 PM	R101434
Surr: 1,2-Dichloroethane-d4	97.0	70-130		%Rec	1	11/27/2023 7:47:04 PM	R101434
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	11/27/2023 7:47:04 PM	R101434
Surr: Dibromofluoromethane	103	70-130		%Rec	1	11/27/2023 7:47:04 PM	R101434
Surr: Toluene-d8	97.0	70-130		%Rec	1	11/27/2023 7:47:04 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: NGMW-03
Project: Griggs Walnut
Collection Date: 11/15/2023 8:15:00 AM
Lab ID: 2311907-011
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 8:14:08 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 8:14:08 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 8:14:08 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 8:14:08 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: NGMW-03
Project: Griggs Walnut
Collection Date: 11/15/2023 8:15:00 AM
Lab ID: 2311907-011
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 8:14:08 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 8:14:08 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 8:14:08 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 8:14:08 PM	R101434
Surr: 1,2-Dichloroethane-d4	98.9	70-130		%Rec	1	11/27/2023 8:14:08 PM	R101434
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	11/27/2023 8:14:08 PM	R101434
Surr: Dibromofluoromethane	103	70-130		%Rec	1	11/27/2023 8:14:08 PM	R101434
Surr: Toluene-d8	98.0	70-130		%Rec	1	11/27/2023 8:14:08 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MW-SF5
Project: Griggs Walnut
Collection Date: 11/15/2023 10:05:00 AM
Lab ID: 2311907-012
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 8:41:09 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 8:41:09 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 8:41:09 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 8:41:09 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MW-SF5
Project: Griggs Walnut **Collection Date:** 11/15/2023 10:05:00 AM
Lab ID: 2311907-012 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 8:41:09 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 8:41:09 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 8:41:09 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 8:41:09 PM	R101434
Surr: 1,2-Dichloroethane-d4	97.4	70-130		%Rec	1	11/27/2023 8:41:09 PM	R101434
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	11/27/2023 8:41:09 PM	R101434
Surr: Dibromofluoromethane	101	70-130		%Rec	1	11/27/2023 8:41:09 PM	R101434
Surr: Toluene-d8	97.8	70-130		%Rec	1	11/27/2023 8:41:09 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-08D
Project: Griggs Walnut **Collection Date:** 11/14/2023 4:10:00 PM
Lab ID: 2311907-013 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 9:08:09 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 9:08:09 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 9:08:09 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 9:08:09 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-08D
Project: Griggs Walnut
Collection Date: 11/14/2023 4:10:00 PM
Lab ID: 2311907-013
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 9:08:09 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 9:08:09 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 9:08:09 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 9:08:09 PM	R101434
Surr: 1,2-Dichloroethane-d4	99.6	70-130		%Rec	1	11/27/2023 9:08:09 PM	R101434
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	11/27/2023 9:08:09 PM	R101434
Surr: Dibromofluoromethane	106	70-130		%Rec	1	11/27/2023 9:08:09 PM	R101434
Surr: Toluene-d8	96.9	70-130		%Rec	1	11/27/2023 9:08:09 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** FB-1
Project: Griggs Walnut **Collection Date:** 11/14/2023 4:20:00 PM
Lab ID: 2311907-014 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 10:02:07 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 10:02:07 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 10:02:07 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 10:02:07 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** FB-1
Project: Griggs Walnut **Collection Date:** 11/14/2023 4:20:00 PM
Lab ID: 2311907-014 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 10:02:07 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 10:02:07 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 10:02:07 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 10:02:07 PM	R101434
Surr: 1,2-Dichloroethane-d4	93.8	70-130		%Rec	1	11/27/2023 10:02:07 PM	R101434
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	11/27/2023 10:02:07 PM	R101434
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	11/27/2023 10:02:07 PM	R101434
Surr: Toluene-d8	97.5	70-130		%Rec	1	11/27/2023 10:02:07 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-08S
Project: Griggs Walnut **Collection Date:** 11/14/2023 3:28:00 PM
Lab ID: 2311907-015 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 10:29:04 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Bromodichloromethane	2.7	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 10:29:04 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 10:29:04 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Chloroform	1.1	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 10:29:04 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-08S
Project: Griggs Walnut
Collection Date: 11/14/2023 3:28:00 PM
Lab ID: 2311907-015
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 10:29:04 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 10:29:04 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 10:29:04 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 10:29:04 PM	R101434
Surr: 1,2-Dichloroethane-d4	97.1	70-130		%Rec	1	11/27/2023 10:29:04 PM	R101434
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	11/27/2023 10:29:04 PM	R101434
Surr: Dibromofluoromethane	102	70-130		%Rec	1	11/27/2023 10:29:04 PM	R101434
Surr: Toluene-d8	95.4	70-130		%Rec	1	11/27/2023 10:29:04 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-09S
Project: Griggs Walnut
Collection Date: 11/15/2023 8:40:00 AM
Lab ID: 2311907-016
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 4:03:36 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 4:03:36 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 4:03:36 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 4:03:36 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-09S
Project: Griggs Walnut **Collection Date:** 11/15/2023 8:40:00 AM
Lab ID: 2311907-016 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 4:03:36 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 4:03:36 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 4:03:36 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 4:03:36 PM	R101459
Surr: 1,2-Dichloroethane-d4	89.4	70-130		%Rec	1	11/28/2023 4:03:36 PM	R101459
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	11/28/2023 4:03:36 PM	R101459
Surr: Dibromofluoromethane	86.1	70-130		%Rec	1	11/28/2023 4:03:36 PM	R101459
Surr: Toluene-d8	97.3	70-130		%Rec	1	11/28/2023 4:03:36 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-09D2
Project: Griggs Walnut
Collection Date: 11/15/2023 9:05:00 AM
Lab ID: 2311907-017
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	1.4	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 10:56:01 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 10:56:01 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 10:56:01 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 10:56:01 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-09D2
Project: Griggs Walnut
Collection Date: 11/15/2023 9:05:00 AM
Lab ID: 2311907-017
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 10:56:01 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 10:56:01 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Tetrachloroethene (PCE)	1.7	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 10:56:01 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 10:56:01 PM	R101434
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	11/27/2023 10:56:01 PM	R101434
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	11/27/2023 10:56:01 PM	R101434
Surr: Dibromofluoromethane	101	70-130		%Rec	1	11/27/2023 10:56:01 PM	R101434
Surr: Toluene-d8	95.1	70-130		%Rec	1	11/27/2023 10:56:01 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-09D1
Project: Griggs Walnut
Collection Date: 11/15/2023 9:40:00 AM
Lab ID: 2311907-018
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 11:22:58 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 11:22:58 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 11:22:58 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 11:22:58 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-09D1
Project: Griggs Walnut
Collection Date: 11/15/2023 9:40:00 AM
Lab ID: 2311907-018
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 11:22:58 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 11:22:58 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Tetrachloroethene (PCE)	2.2	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 11:22:58 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 11:22:58 PM	R101434
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	11/27/2023 11:22:58 PM	R101434
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	11/27/2023 11:22:58 PM	R101434
Surr: Dibromofluoromethane	104	70-130		%Rec	1	11/27/2023 11:22:58 PM	R101434
Surr: Toluene-d8	97.0	70-130		%Rec	1	11/27/2023 11:22:58 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-10D
Project: Griggs Walnut **Collection Date:** 11/15/2023 11:03:00 AM
Lab ID: 2311907-019 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 5:25:19 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 5:25:19 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 5:25:19 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 5:25:19 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-10D
Project: Griggs Walnut
Collection Date: 11/15/2023 11:03:00 AM
Lab ID: 2311907-019
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 5:25:19 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 5:25:19 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 5:25:19 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 5:25:19 PM	R101459
Surr: 1,2-Dichloroethane-d4	93.2	70-130		%Rec	1	11/28/2023 5:25:19 PM	R101459
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	11/28/2023 5:25:19 PM	R101459
Surr: Dibromofluoromethane	92.2	70-130		%Rec	1	11/28/2023 5:25:19 PM	R101459
Surr: Toluene-d8	104	70-130		%Rec	1	11/28/2023 5:25:19 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-10I
Project: Griggs Walnut **Collection Date:** 11/15/2023 11:20:00 AM
Lab ID: 2311907-020 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 5:52:29 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 5:52:29 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 5:52:29 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 5:52:29 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-10I
Project: Griggs Walnut
Collection Date: 11/15/2023 11:20:00 AM
Lab ID: 2311907-020
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 5:52:29 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 5:52:29 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Tetrachloroethene (PCE)	30	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 5:52:29 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 5:52:29 PM	R101459
Surr: 1,2-Dichloroethane-d4	92.2	70-130		%Rec	1	11/28/2023 5:52:29 PM	R101459
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	11/28/2023 5:52:29 PM	R101459
Surr: Dibromofluoromethane	89.4	70-130		%Rec	1	11/28/2023 5:52:29 PM	R101459
Surr: Toluene-d8	103	70-130		%Rec	1	11/28/2023 5:52:29 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-10S
Project: Griggs Walnut **Collection Date:** 11/15/2023 11:33:00 AM
Lab ID: 2311907-021 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 6:19:40 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 6:19:40 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 6:19:40 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 6:19:40 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-10S
Project: Griggs Walnut **Collection Date:** 11/15/2023 11:33:00 AM
Lab ID: 2311907-021 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 6:19:40 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 6:19:40 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Tetrachloroethene (PCE)	6.5	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 6:19:40 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 6:19:40 PM	R101459
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%Rec	1	11/28/2023 6:19:40 PM	R101459
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	11/28/2023 6:19:40 PM	R101459
Surr: Dibromofluoromethane	89.3	70-130		%Rec	1	11/28/2023 6:19:40 PM	R101459
Surr: Toluene-d8	106	70-130		%Rec	1	11/28/2023 6:19:40 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-01I
Project: Griggs Walnut **Collection Date:** 11/15/2023 1:05:00 PM
Lab ID: 2311907-022 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 6:46:51 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 6:46:51 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 6:46:51 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 6:46:51 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-01I
Project: Griggs Walnut
Collection Date: 11/15/2023 1:05:00 PM
Lab ID: 2311907-022
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 6:46:51 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 6:46:51 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Tetrachloroethene (PCE)	15	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 6:46:51 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 6:46:51 PM	R101459
Surr: 1,2-Dichloroethane-d4	90.7	70-130		%Rec	1	11/28/2023 6:46:51 PM	R101459
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/28/2023 6:46:51 PM	R101459
Surr: Dibromofluoromethane	86.8	70-130		%Rec	1	11/28/2023 6:46:51 PM	R101459
Surr: Toluene-d8	106	70-130		%Rec	1	11/28/2023 6:46:51 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** FB-2
Project: Griggs Walnut **Collection Date:** 11/15/2023 9:08:00 AM
Lab ID: 2311907-023 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 7:14:00 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 7:14:00 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 7:14:00 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 7:14:00 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** FB-2
Project: Griggs Walnut **Collection Date:** 11/15/2023 9:08:00 AM
Lab ID: 2311907-023 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 7:14:00 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 7:14:00 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 7:14:00 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 7:14:00 PM	R101459
Surr: 1,2-Dichloroethane-d4	95.5	70-130		%Rec	1	11/28/2023 7:14:00 PM	R101459
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/28/2023 7:14:00 PM	R101459
Surr: Dibromofluoromethane	90.4	70-130		%Rec	1	11/28/2023 7:14:00 PM	R101459
Surr: Toluene-d8	103	70-130		%Rec	1	11/28/2023 7:14:00 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-01S
Project: Griggs Walnut **Collection Date:** 11/15/2023 1:40:00 PM
Lab ID: 2311907-024 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 7:41:09 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 7:41:09 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 7:41:09 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 7:41:09 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-01S
Project: Griggs Walnut
Collection Date: 11/15/2023 1:40:00 PM
Lab ID: 2311907-024
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 7:41:09 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 7:41:09 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 7:41:09 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 7:41:09 PM	R101459
Surr: 1,2-Dichloroethane-d4	94.3	70-130		%Rec	1	11/28/2023 7:41:09 PM	R101459
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/28/2023 7:41:09 PM	R101459
Surr: Dibromofluoromethane	88.1	70-130		%Rec	1	11/28/2023 7:41:09 PM	R101459
Surr: Toluene-d8	105	70-130		%Rec	1	11/28/2023 7:41:09 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-01D
Project: Griggs Walnut **Collection Date:** 11/16/2023 11:15:00 AM
Lab ID: 2311907-025 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	8.7	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Toluene	1.2	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 8:08:17 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 8:08:17 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 8:08:17 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 8:08:17 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-01D
Project: Griggs Walnut **Collection Date:** 11/16/2023 11:15:00 AM
Lab ID: 2311907-025 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 8:08:17 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 8:08:17 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 8:08:17 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 8:08:17 PM	R101459
Surr: 1,2-Dichloroethane-d4	95.4	70-130		%Rec	1	11/28/2023 8:08:17 PM	R101459
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/28/2023 8:08:17 PM	R101459
Surr: Dibromofluoromethane	89.6	70-130		%Rec	1	11/28/2023 8:08:17 PM	R101459
Surr: Toluene-d8	106	70-130		%Rec	1	11/28/2023 8:08:17 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MW-SF9
Project: Griggs Walnut
Collection Date: 11/15/2023 3:30:00 PM
Lab ID: 2311907-026
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 8:35:20 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 8:35:20 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 8:35:20 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 8:35:20 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MW-SF9
Project: Griggs Walnut **Collection Date:** 11/15/2023 3:30:00 PM
Lab ID: 2311907-026 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 8:35:20 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 8:35:20 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 8:35:20 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 8:35:20 PM	R101459
Surr: 1,2-Dichloroethane-d4	91.7	70-130		%Rec	1	11/28/2023 8:35:20 PM	R101459
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/28/2023 8:35:20 PM	R101459
Surr: Dibromofluoromethane	91.4	70-130		%Rec	1	11/28/2023 8:35:20 PM	R101459
Surr: Toluene-d8	110	70-130		%Rec	1	11/28/2023 8:35:20 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-16S
Project: Griggs Walnut
Collection Date: 11/16/2023 9:45:00 AM
Lab ID: 2311907-027
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 9:02:24 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 9:02:24 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 9:02:24 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 9:02:24 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-16S
Project: Griggs Walnut
Collection Date: 11/16/2023 9:45:00 AM
Lab ID: 2311907-027
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 9:02:24 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 9:02:24 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Tetrachloroethene (PCE)	5.4	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 9:02:24 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 9:02:24 PM	R101459
Surr: 1,2-Dichloroethane-d4	96.7	70-130		%Rec	1	11/28/2023 9:02:24 PM	R101459
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	11/28/2023 9:02:24 PM	R101459
Surr: Dibromofluoromethane	93.2	70-130		%Rec	1	11/28/2023 9:02:24 PM	R101459
Surr: Toluene-d8	105	70-130		%Rec	1	11/28/2023 9:02:24 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWMW-16D
Project: Griggs Walnut **Collection Date:** 11/16/2023 9:25:00 AM
Lab ID: 2311907-028 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 9:29:28 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 9:29:28 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 9:29:28 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 9:29:28 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-16D
Project: Griggs Walnut
Collection Date: 11/16/2023 9:25:00 AM
Lab ID: 2311907-028
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 9:29:28 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 9:29:28 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Tetrachloroethene (PCE)	24	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 9:29:28 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 9:29:28 PM	R101459
Surr: 1,2-Dichloroethane-d4	89.0	70-130		%Rec	1	11/28/2023 9:29:28 PM	R101459
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/28/2023 9:29:28 PM	R101459
Surr: Dibromofluoromethane	84.7	70-130		%Rec	1	11/28/2023 9:29:28 PM	R101459
Surr: Toluene-d8	101	70-130		%Rec	1	11/28/2023 9:29:28 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** CLC18
Project: Griggs Walnut **Collection Date:** 11/16/2023 8:30:00 AM
Lab ID: 2311907-029 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Arsenic	0.0026	0.00050		mg/L	1	11/17/2023 3:26:24 PM	D101275
Uranium	0.024	0.00050		mg/L	1	11/17/2023 3:26:24 PM	D101275
200.8 ICPMS METALS:TOTAL						Analyst: **bcv**	
Arsenic	0.0020	0.00050		mg/L	1	11/22/2023 3:36:35 PM	78875
Uranium	0.025	0.0025		mg/L	5	11/28/2023 11:44:31 AM	78875

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** CLC27
Project: Griggs Walnut **Collection Date:** 11/16/2023 8:50:00 AM
Lab ID: 2311907-030 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Arsenic	0.0019	0.00050		mg/L	1	11/17/2023 3:35:22 PM	D101275
Uranium	0.021	0.00050		mg/L	1	11/17/2023 3:35:22 PM	D101275
200.8 ICPMS METALS:TOTAL						Analyst: **bcv**	
Arsenic	0.0031	0.00050		mg/L	1	11/22/2023 3:39:30 PM	78875
Uranium	0.023	0.0025		mg/L	5	11/28/2023 11:47:25 AM	78875

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** Trip Blank
Project: Griggs Walnut **Collection Date:**
Lab ID: 2311907-031 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 9:56:32 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 9:56:32 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 9:56:32 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 9:56:32 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** Trip Blank
Project: Griggs Walnut **Collection Date:**
Lab ID: 2311907-031 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 9:56:32 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 9:56:32 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 9:56:32 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 9:56:32 PM	R101459
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%Rec	1	11/28/2023 9:56:32 PM	R101459
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	11/28/2023 9:56:32 PM	R101459
Surr: Dibromofluoromethane	89.6	70-130		%Rec	1	11/28/2023 9:56:32 PM	R101459
Surr: Toluene-d8	105	70-130		%Rec	1	11/28/2023 9:56:32 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** Trip Blank
Project: Griggs Walnut **Collection Date:**
Lab ID: 2311907-032 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 10:23:32 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 10:23:32 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 10:23:32 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 10:23:32 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** Trip Blank
Project: Griggs Walnut **Collection Date:**
Lab ID: 2311907-032 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 10:23:32 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 10:23:32 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 10:23:32 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 10:23:32 PM	R101459
Surr: 1,2-Dichloroethane-d4	93.1	70-130		%Rec	1	11/28/2023 10:23:32 PM	R101459
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	11/28/2023 10:23:32 PM	R101459
Surr: Dibromofluoromethane	89.4	70-130		%Rec	1	11/28/2023 10:23:32 PM	R101459
Surr: Toluene-d8	103	70-130		%Rec	1	11/28/2023 10:23:32 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-08D_DUP
Project: Griggs Walnut
Collection Date: 11/14/2023 4:12:00 PM
Lab ID: 2311907-033
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 9:35:09 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 9:35:09 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 9:35:09 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 9:35:09 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-08D_DUP
Project: Griggs Walnut
Collection Date: 11/14/2023 4:12:00 PM
Lab ID: 2311907-033
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 9:35:09 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 9:35:09 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 9:35:09 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 9:35:09 PM	R101434
Surr: 1,2-Dichloroethane-d4	93.6	70-130		%Rec	1	11/27/2023 9:35:09 PM	R101434
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	11/27/2023 9:35:09 PM	R101434
Surr: Dibromofluoromethane	102	70-130		%Rec	1	11/27/2023 9:35:09 PM	R101434
Surr: Toluene-d8	97.0	70-130		%Rec	1	11/27/2023 9:35:09 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-11D_DUP
Project: Griggs Walnut
Collection Date: 11/15/2023 2:36:00 PM
Lab ID: 2311907-034
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 5:04:34 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 5:04:34 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 5:04:34 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 5:04:34 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: GWMW-11D_DUP
Project: Griggs Walnut
Collection Date: 11/15/2023 2:36:00 PM
Lab ID: 2311907-034
Matrix: GROUNDWA
Received Date: 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 5:04:34 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 5:04:34 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 5:04:34 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 5:04:34 PM	R101434
Surr: 1,2-Dichloroethane-d4	96.0	70-130		%Rec	1	11/27/2023 5:04:34 PM	R101434
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/27/2023 5:04:34 PM	R101434
Surr: Dibromofluoromethane	95.9	70-130		%Rec	1	11/27/2023 5:04:34 PM	R101434
Surr: Toluene-d8	95.1	70-130		%Rec	1	11/27/2023 5:04:34 PM	R101434

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** FB_3
Project: Griggs Walnut **Collection Date:** 11/16/2023 9:30:00 AM
Lab ID: 2311907-035 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Toluene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Ethylbenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Naphthalene	ND	2.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
2-Methylnaphthalene	ND	4.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Acetone	ND	10		µg/L	1	11/28/2023 10:50:33 PM	R101459
Bromobenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Bromodichloromethane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Bromoform	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Bromomethane	ND	3.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
2-Butanone	ND	10		µg/L	1	11/28/2023 10:50:33 PM	R101459
Carbon disulfide	ND	10		µg/L	1	11/28/2023 10:50:33 PM	R101459
Carbon Tetrachloride	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Chlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Chloroethane	ND	2.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Chloroform	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Chloromethane	ND	3.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
2-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
4-Chlorotoluene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
cis-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Dibromochloromethane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Dibromomethane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,1-Dichloroethane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,1-Dichloroethene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,2-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,3-Dichloropropane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
2,2-Dichloropropane	ND	2.0		µg/L	1	11/28/2023 10:50:33 PM	R101459

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** FB_3
Project: Griggs Walnut **Collection Date:** 11/16/2023 9:30:00 AM
Lab ID: 2311907-035 **Matrix:** GROUNDWA **Received Date:** 11/16/2023 3:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Hexachlorobutadiene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
2-Hexanone	ND	10		µg/L	1	11/28/2023 10:50:33 PM	R101459
Isopropylbenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
4-Isopropyltoluene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
4-Methyl-2-pentanone	ND	10		µg/L	1	11/28/2023 10:50:33 PM	R101459
Methylene Chloride	ND	3.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
n-Butylbenzene	ND	3.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
n-Propylbenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
sec-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Styrene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
tert-Butylbenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
trans-1,2-DCE	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Trichlorofluoromethane	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Vinyl chloride	ND	1.0		µg/L	1	11/28/2023 10:50:33 PM	R101459
Xylenes, Total	ND	1.5		µg/L	1	11/28/2023 10:50:33 PM	R101459
Surr: 1,2-Dichloroethane-d4	90.1	70-130		%Rec	1	11/28/2023 10:50:33 PM	R101459
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	11/28/2023 10:50:33 PM	R101459
Surr: Dibromofluoromethane	90.0	70-130		%Rec	1	11/28/2023 10:50:33 PM	R101459
Surr: Toluene-d8	104	70-130		%Rec	1	11/28/2023 10:50:33 PM	R101459

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

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
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ANALYTICAL SUMMARY REPORT

December 15, 2023

Hall Environmental
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: H23120110

Project Name: Not Indicated

Energy Laboratories Inc Helena MT received the following 2 samples for Hall Environmental on 12/5/2023 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H23120110-001	2311907-029C CLC18	11/16/23 8:30	12/05/23	Aqueous	Arsenic Speciation, Total
H23120110-002	2311907-030C CLC27	11/16/23 8:50	12/05/23	Aqueous	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 3161 E. Lyndale Ave., Helena, MT 59604, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager.

Report Approved By:

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: H23120110-001
Client Sample ID: 2311907-029C CLC18

Report Date: 12/15/23
Collection Date: 11/16/23 08:30
DateReceived: 12/05/23
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SPECIATED, TOTAL							
Arsenic-III	ND	ug/L		1		E200.8	12/12/23 16:32 / dck
Arsenic-V	2	ug/L		1		E200.8	12/12/23 16:32 / dck

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: H23120110-002
Client Sample ID: 2311907-030C CLC27

Report Date: 12/15/23
Collection Date: 11/16/23 08:50
DateReceived: 12/05/23
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SPECIATED, TOTAL							
Arsenic-III	ND	ug/L		1		E200.8	12/12/23 16:40 / dck
Arsenic-V	2	ug/L		1		E200.8	12/12/23 16:40 / dck

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: Hall Environmental **Work Order:** H23120110 **Report Date:** 12/15/23

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS206-H_231212A	
Lab ID: ICV	2	Initial Calibration Verification Standard							12/12/23 15:45	
Arsenic-III		24.3	ug/L	1.0	97	90	110			
Arsenic-V		24.3	ug/L	1.0	97	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard							12/12/23 15:56	
Arsenic-III		50.4	ug/L	1.0	101	90	110			
Arsenic-V		49.9	ug/L	1.0	100	90	110			
Method: E200.8									Batch: R190805	
Lab ID: LRB	2	Method Blank				Run: ICPMS206-H_231212A			12/12/23 16:14	
Arsenic-III		ND	ug/L	0.06						
Arsenic-V		ND	ug/L	0.04						
Lab ID: LFB	2	Laboratory Fortified Blank				Run: ICPMS206-H_231212A			12/12/23 16:23	
Arsenic-III		49.5	ug/L	1.0	99	85	115			
Arsenic-V		50.1	ug/L	1.0	100	85	115			
Lab ID: H23120110-002AMS	2	Sample Matrix Spike				Run: ICPMS206-H_231212A			12/12/23 16:49	
Arsenic-III		245	ug/L	1.0	98	70	130			
Arsenic-V		246	ug/L	1.0	98	70	130			
Lab ID: H23120110-002AMSD	2	Sample Matrix Spike Duplicate				Run: ICPMS206-H_231212A			12/12/23 16:58	
Arsenic-III		249	ug/L	1.0	100	70	130	0.0	20	
Arsenic-V		249	ug/L	1.0	99	70	130	0.0	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Hall Environmental

H23120110

Login completed by:	Taylor K. Jones	Date Received:	12/5/2023
Reviewed by:	wjohnson	Received by:	WJJ
Reviewed Date:	12/6/2023	Carrier name:	FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	0.9°C Blue Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Contact and Corrective Action Comments:

None

eurofins | Environment Testing

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR: **Energy Labs -Helena**	COMPANY: **Energy Laboratories**	PHONE: **(877) 472-0711**	FAX:
ADDRESS: **3161 E Lyndale Ave**		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: **Helena, MT 59604**			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2311907-029C	CLC18	500PL-HCL	Groundwater	11/16/2023 8:30:00 AM	1	Arsenic Speciation
2	2311907-030C	CLC27	500PL-HCL	Groundwater	11/16/2023 8:50:00 AM	1	Arsenic Speciation

H23120110

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: JMC	Date: 12/1/2023	Time: 11:37 AM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: Wcarp	Date: 12-5-23	Time: 931

TAT: Standard ☑ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 0.9 °C Attempt to Cool ? Blue Ice
Comments: FedEx Exp.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **D101275**	RunNo: **101275**
Prep Date:	Analysis Date: **11/17/2023**	SeqNo: **3725662** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.00050								
Uranium	ND	0.00050								

Sample ID: **LCSLLD**	SampType: **LCSLL**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **D101275**	RunNo: **101275**
Prep Date:	Analysis Date: **11/17/2023**	SeqNo: **3725663** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.00060	0.00050	0.0005000	0	119	50	150			

Sample ID: **LCSLL**	SampType: **LCSLL**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **D101275**	RunNo: **101275**
Prep Date:	Analysis Date: **11/17/2023**	SeqNo: **3725664** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Uranium	ND	0.00050	0.0005000	0	95.7	50	150			

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **D101275**	RunNo: **101275**
Prep Date:	Analysis Date: **11/17/2023**	SeqNo: **3725665** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.00050	0.02500	0	98.4	85	115			
Uranium	0.012	0.00050	0.01250	0	94.2	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **MB-78875**	SampType: **MBLK**	TestCode: **200.8 ICPMS Metals:Total**
Client ID: **PBW**	Batch ID: **78875**	RunNo: **101383**
Prep Date: **11/17/2023**	Analysis Date: **11/22/2023**	SeqNo: **3729749** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.00050								
Uranium	ND	0.00050								

Sample ID: **MSLCSLL-78875**	SampType: **LCSLL**	TestCode: **200.8 ICPMS Metals:Total**
Client ID: **BatchQC**	Batch ID: **78875**	RunNo: **101383**
Prep Date: **11/17/2023**	Analysis Date: **11/22/2023**	SeqNo: **3729750** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Uranium	0.00052	0.00050	0.0005000	0	103	50	150			

Sample ID: **MSLCS-78875**	SampType: **LCS**	TestCode: **200.8 ICPMS Metals:Total**
Client ID: **LCSW**	Batch ID: **78875**	RunNo: **101383**
Prep Date: **11/17/2023**	Analysis Date: **11/22/2023**	SeqNo: **3729751** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.024	0.00050	0.02500	0	97.3	85	115			
Uranium	0.012	0.00050	0.01250	0	98.9	85	115			

Sample ID: **MSLCSLL-TL-78875**	SampType: **LCSLL**	TestCode: **200.8 ICPMS Metals:Total**
Client ID: **BatchQC**	Batch ID: **78875**	RunNo: **101383**
Prep Date: **11/17/2023**	Analysis Date: **11/22/2023**	SeqNo: **3729752** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.00050	0.0005000	0	88.5	50	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **100ng lcs4**	SampType: **LCS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732246** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	86.6	70	130			
Toluene	20	1.0	20.00	0	99.1	70	130			
Ethylbenzene	20	1.0	20.00	0	100	70	130			
Methyl tert-butyl ether (MTBE)	31	1.0	40.00	0	78.1	70	130			
1,2,4-Trimethylbenzene	18	1.0	20.00	0	90.9	70	130			
1,3,5-Trimethylbenzene	17	1.0	20.00	0	87.5	70	130			
1,2-Dichloroethane (EDC)	20	1.0	20.00	0	100	70	130			
1,2-Dibromoethane (EDB)	18	1.0	20.00	0	91.7	70	130			
Naphthalene	16	2.0	20.00	0	78.8	70	130			
1-Methylnaphthalene	13	4.0	20.00	0	64.8	60.3	126			
2-Methylnaphthalene	14	4.0	20.00	0	69.0	59	127			
Acetone	34	10	40.00	0	84.0	53.2	126			
Bromobenzene	18	1.0	20.00	0	92.4	70	130			
Bromodichloromethane	20	1.0	20.00	0	102	70	130			
Bromoform	16	1.0	20.00	0	82.0	70	130			
Bromomethane	21	3.0	20.00	0	106	15	213			
2-Butanone	35	10	40.00	0	88.0	59.4	136			
Carbon disulfide	33	10	40.00	0	81.5	70	130			
Carbon Tetrachloride	19	1.0	20.00	0	93.3	70	130			
Chlorobenzene	19	1.0	20.00	0	94.0	70	130			
Chloroethane	24	2.0	20.00	0	118	69.5	131			
Chloroform	19	1.0	20.00	0	92.6	70	130			
Chloromethane	28	3.0	20.00	0	140	56.9	143			
2-Chlorotoluene	17	1.0	20.00	0	86.4	70	130			
4-Chlorotoluene	18	1.0	20.00	0	89.5	70	130			
cis-1,2-DCE	23	1.0	20.00	0	114	70	130			
cis-1,3-Dichloropropene	21	1.0	20.00	0	104	70	130			
1,2-Dibromo-3-chloropropane	16	2.0	20.00	0	77.6	62.3	135			
Dibromochloromethane	19	1.0	20.00	0	94.4	70	130			
Dibromomethane	20	1.0	20.00	0	97.7	70	130			
1,2-Dichlorobenzene	18	1.0	20.00	0	92.5	70	130			
1,3-Dichlorobenzene	19	1.0	20.00	0	96.5	70	130			
1,4-Dichlorobenzene	19	1.0	20.00	0	95.2	70	130			
Dichlorodifluoromethane	26	1.0	20.00	0	128	41	159			
1,1-Dichloroethane	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	99.1	70	130			
1,2-Dichloropropane	21	1.0	20.00	0	103	70	130			
1,3-Dichloropropane	19	1.0	20.00	0	95.2	70	130			
2,2-Dichloropropane	20	2.0	20.00	0	100	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **100ng lcs4**	SampType: **LCS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732246** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	22	1.0	20.00	0	110	70	130			
Hexachlorobutadiene	21	1.0	20.00	0	106	63.6	129			
2-Hexanone	36	10	40.00	0	90.6	63.2	130			
Isopropylbenzene	18	1.0	20.00	0	89.7	70	130			
4-Isopropyltoluene	19	1.0	20.00	0	92.5	70	130			
4-Methyl-2-pentanone	33	10	40.00	0	81.3	64.7	132			
Methylene Chloride	20	3.0	20.00	0	101	70	130			
n-Butylbenzene	19	3.0	20.00	0	95.0	70	130			
n-Propylbenzene	18	1.0	20.00	0	89.2	70	130			
sec-Butylbenzene	18	1.0	20.00	0	89.0	70	130			
Styrene	19	1.0	20.00	0	92.7	70	130			
tert-Butylbenzene	17	1.0	20.00	0	83.9	70	130			
1,1,1,2-Tetrachloroethane	18	1.0	20.00	0	91.9	70	130			
1,1,2,2-Tetrachloroethane	19	2.0	20.00	0	94.5	65.8	138			
Tetrachloroethene (PCE)	22	1.0	20.00	0	108	70	130			
trans-1,2-DCE	20	1.0	20.00	0	102	70	130			
trans-1,3-Dichloropropene	21	1.0	20.00	0	103	70	130			
1,2,3-Trichlorobenzene	18	1.0	20.00	0	90.3	70	130			
1,2,4-Trichlorobenzene	18	1.0	20.00	0	90.0	70	130			
1,1,1-Trichloroethane	19	1.0	20.00	0	97.4	70	130			
1,1,2-Trichloroethane	20	1.0	20.00	0	102	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	93.7	70	130			
Trichlorofluoromethane	21	1.0	20.00	0	104	70	130			
1,2,3-Trichloropropane	16	2.0	20.00	0	80.3	70	130			
Vinyl chloride	22	1.0	20.00	0	112	70	130			
Xylenes, Total	60	1.5	60.00	0	99.7	70	130			
Surr: 1,2-Dichloroethane-d4	8.7		10.00		86.7	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.6	70	130			
Surr: Dibromofluoromethane	8.8		10.00		87.6	70	130			
Surr: Toluene-d8	9.3		10.00		93.5	70	130			

Sample ID: **2311907-003ams**	SampType: **MS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GWMW-15D**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732251** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	116	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Ethylbenzene	21	1.0	20.00	0	103	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **2311907-003ams**	SampType: **MS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GWMW-15D**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732251** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	38	1.0	40.00	0	95.5	70	130			
1,2,4-Trimethylbenzene	20	1.0	20.00	0	98.4	70	130			
1,3,5-Trimethylbenzene	19	1.0	20.00	0	94.8	70	130			
1,2-Dichloroethane (EDC)	24	1.0	20.00	0	121	73.8	142			
1,2-Dibromoethane (EDB)	19	1.0	20.00	0	95.3	70	130			
Naphthalene	16	2.0	20.00	0	79.0	62.7	138			
1-Methylnaphthalene	13	4.0	20.00	0	66.1	55.9	152			
2-Methylnaphthalene	13	4.0	20.00	0	67.3	64.1	136			
Acetone	34	10	40.00	0	84.1	48.7	134			
Bromobenzene	20	1.0	20.00	0	102	70	130			
Bromodichloromethane	20	1.0	20.00	0	102	70	130			
Bromoform	16	1.0	20.00	0	77.8	68.8	132			
Bromomethane	24	3.0	20.00	0	122	56.3	147			
2-Butanone	35	10	40.00	0	88.3	62	153			
Carbon disulfide	40	10	40.00	0	101	70	130			
Carbon Tetrachloride	23	1.0	20.00	0	116	70	130			
Chlorobenzene	20	1.0	20.00	0	98.1	70	130			
Chloroethane	28	2.0	20.00	0	140	64.1	142			
Chloroform	23	1.0	20.00	0	115	70	130			
Chloromethane	34	3.0	20.00	0	171	60.5	160			S
2-Chlorotoluene	19	1.0	20.00	0	94.6	70	130			
4-Chlorotoluene	19	1.0	20.00	0	95.7	70	130			
cis-1,2-DCE	28	1.0	20.00	0	138	70	130			S
cis-1,3-Dichloropropene	19	1.0	20.00	0	94.5	70	130			
1,2-Dibromo-3-chloropropane	14	2.0	20.00	0	70.5	59.4	157			
Dibromochloromethane	18	1.0	20.00	0	88.6	70	130			
Dibromomethane	19	1.0	20.00	0	93.0	70	130			
1,2-Dichlorobenzene	19	1.0	20.00	0	93.6	70	130			
1,3-Dichlorobenzene	19	1.0	20.00	0	97.4	70	130			
1,4-Dichlorobenzene	18	1.0	20.00	0	92.3	70	130			
Dichlorodifluoromethane	28	1.0	20.00	0	141	37.7	152			
1,1-Dichloroethane	26	1.0	20.00	0	130	70	130			S
1,1-Dichloroethene	24	1.0	20.00	0	121	64.5	134			
1,2-Dichloropropane	25	1.0	20.00	0	124	70	130			
1,3-Dichloropropane	19	1.0	20.00	0	94.6	70	130			
2,2-Dichloropropane	23	2.0	20.00	0	116	70	130			
1,1-Dichloropropene	28	1.0	20.00	0	139	70	130			S
Hexachlorobutadiene	17	1.0	20.00	0	86.4	47.9	137			
2-Hexanone	31	10	40.00	0	77.0	54.3	178			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **2311907-003ams**	SampType: **MS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GWMW-15D**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732251** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Isopropylbenzene	18	1.0	20.00	0	90.8	70	130			
4-Isopropyltoluene	20	1.0	20.00	0	99.7	70	130			
4-Methyl-2-pentanone	37	10	40.00	0	93.5	66.8	166			
Methylene Chloride	26	3.0	20.00	0	128	70	130			
n-Butylbenzene	22	3.0	20.00	0	110	60.2	129			
n-Propylbenzene	19	1.0	20.00	0	97.2	70	130			
sec-Butylbenzene	19	1.0	20.00	0	94.5	70	130			
Styrene	19	1.0	20.00	0	92.8	70	130			
tert-Butylbenzene	18	1.0	20.00	0	89.3	70	130			
1,1,1,2-Tetrachloroethane	18	1.0	20.00	0	88.9	70	130			
1,1,2,2-Tetrachloroethane	19	2.0	20.00	0	93.5	69.7	149			
Tetrachloroethene (PCE)	21	1.0	20.00	0.9444	101	70	130			
trans-1,2-DCE	25	1.0	20.00	0	125	70	130			
trans-1,3-Dichloropropene	20	1.0	20.00	0	99.0	70	130			
1,2,3-Trichlorobenzene	18	1.0	20.00	0	90.2	70	130			
1,2,4-Trichlorobenzene	18	1.0	20.00	0	88.5	70	130			
1,1,1-Trichloroethane	23	1.0	20.00	0	116	70	130			
1,1,2-Trichloroethane	20	1.0	20.00	0	100	70	130			
Trichloroethene (TCE)	23	1.0	20.00	0	113	70	130			
Trichlorofluoromethane	25	1.0	20.00	0	123	70	130			
1,2,3-Trichloropropane	16	2.0	20.00	0	79.9	41.7	182			
Vinyl chloride	29	1.0	20.00	0	144	70	130			S
Xylenes, Total	62	1.5	60.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	9.8		10.00		97.9	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.1	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	70	130			

Sample ID: **2311907-003amsd**	SampType: **MSD4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GWMW-15D**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3732252** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	70	130	7.45	20	
Toluene	20	1.0	20.00	0	100	70	130	0.577	20	
Ethylbenzene	20	1.0	20.00	0	98.3	70	130	4.73	20	
Methyl tert-butyl ether (MTBE)	37	1.0	40.00	0	93.0	70	130	2.63	20	
1,2,4-Trimethylbenzene	20	1.0	20.00	0	99.6	70	130	1.25	20	
1,3,5-Trimethylbenzene	18	1.0	20.00	0	92.4	70	130	2.54	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **2311907-003amsd**	SampType: **MSD4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GWMW-15D**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3732252** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	23	1.0	20.00	0	113	73.8	142	6.56	20	
1,2-Dibromoethane (EDB)	18	1.0	20.00	0	90.1	70	130	5.56	20	
Naphthalene	16	2.0	20.00	0	81.2	62.7	138	2.73	20	
1-Methylnaphthalene	13	4.0	20.00	0	66.8	55.9	152	1.17	20	
2-Methylnaphthalene	15	4.0	20.00	0	73.5	64.1	136	8.86	20	
Acetone	34	10	40.00	0	85.2	48.7	134	1.25	20	
Bromobenzene	20	1.0	20.00	0	100	70	130	2.06	20	
Bromodichloromethane	20	1.0	20.00	0	100	70	130	1.81	20	
Bromoform	15	1.0	20.00	0	77.4	68.8	132	0.474	20	
Bromomethane	26	3.0	20.00	0	128	56.3	147	4.83	20	
2-Butanone	33	10	40.00	0	83.7	62	153	5.39	20	
Carbon disulfide	37	10	40.00	0	92.8	70	130	8.46	20	
Carbon Tetrachloride	22	1.0	20.00	0	110	70	130	5.26	20	
Chlorobenzene	19	1.0	20.00	0	93.3	70	130	5.02	20	
Chloroethane	27	2.0	20.00	0	136	64.1	142	3.42	20	
Chloroform	22	1.0	20.00	0	109	70	130	5.18	20	
Chloromethane	32	3.0	20.00	0	160	60.5	160	6.85	20	
2-Chlorotoluene	18	1.0	20.00	0	91.6	70	130	3.21	20	
4-Chlorotoluene	19	1.0	20.00	0	93.5	70	130	2.30	20	
cis-1,2-DCE	26	1.0	20.00	0	130	70	130	5.75	20	
cis-1,3-Dichloropropene	19	1.0	20.00	0	92.7	70	130	1.90	20	
1,2-Dibromo-3-chloropropane	14	2.0	20.00	0	71.0	59.4	157	0.656	20	
Dibromochloromethane	18	1.0	20.00	0	88.1	70	130	0.500	20	
Dibromomethane	18	1.0	20.00	0	90.3	70	130	2.97	20	
1,2-Dichlorobenzene	19	1.0	20.00	0	94.2	70	130	0.545	20	
1,3-Dichlorobenzene	19	1.0	20.00	0	97.0	70	130	0.453	20	
1,4-Dichlorobenzene	19	1.0	20.00	0	93.5	70	130	1.27	20	
Dichlorodifluoromethane	28	1.0	20.00	0	138	37.7	152	2.57	20	
1,1-Dichloroethane	25	1.0	20.00	0	124	70	130	5.01	20	
1,1-Dichloroethene	23	1.0	20.00	0	114	64.5	134	6.35	20	
1,2-Dichloropropane	24	1.0	20.00	0	122	70	130	1.60	20	
1,3-Dichloropropane	19	1.0	20.00	0	94.9	70	130	0.369	20	
2,2-Dichloropropane	22	2.0	20.00	0	110	70	130	5.33	20	
1,1-Dichloropropene	26	1.0	20.00	0	130	70	130	6.84	20	
Hexachlorobutadiene	16	1.0	20.00	0	80.3	47.9	137	7.28	20	
2-Hexanone	30	10	40.00	0	75.1	54.3	178	2.44	20	
Isopropylbenzene	18	1.0	20.00	0	90.5	70	130	0.254	20	
4-Isopropyltoluene	20	1.0	20.00	0	98.6	70	130	1.03	20	
4-Methyl-2-pentanone	35	10	40.00	0	88.5	66.8	166	5.58	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **2311907-003amsd**	SampType: **MSD4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GWMW-15D**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3732252** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methylene Chloride	25	3.0	20.00	0	125	70	130	2.71	20	
n-Butylbenzene	21	3.0	20.00	0	105	60.2	129	4.44	20	
n-Propylbenzene	19	1.0	20.00	0	95.3	70	130	2.06	20	
sec-Butylbenzene	18	1.0	20.00	0	90.8	70	130	3.99	20	
Styrene	19	1.0	20.00	0	92.7	70	130	0.0615	20	
tert-Butylbenzene	18	1.0	20.00	0	88.1	70	130	1.29	20	
1,1,1,2-Tetrachloroethane	18	1.0	20.00	0	90.4	70	130	1.74	20	
1,1,2,2-Tetrachloroethane	19	2.0	20.00	0	93.3	69.7	149	0.273	20	
Tetrachloroethene (PCE)	20	1.0	20.00	0.9444	96.8	70	130	4.21	20	
trans-1,2-DCE	23	1.0	20.00	0	117	70	130	6.73	20	
trans-1,3-Dichloropropene	19	1.0	20.00	0	96.7	70	130	2.41	20	
1,2,3-Trichlorobenzene	18	1.0	20.00	0	89.1	70	130	1.18	20	
1,2,4-Trichlorobenzene	18	1.0	20.00	0	89.0	70	130	0.540	20	
1,1,1-Trichloroethane	22	1.0	20.00	0	112	70	130	3.57	20	
1,1,2-Trichloroethane	19	1.0	20.00	0	95.9	70	130	4.17	20	
Trichloroethene (TCE)	21	1.0	20.00	0	105	70	130	7.03	20	
Trichlorofluoromethane	23	1.0	20.00	0	115	70	130	6.82	20	
1,2,3-Trichloropropane	16	2.0	20.00	0	78.2	41.7	182	2.05	20	
Vinyl chloride	25	1.0	20.00	0	126	70	130	13.5	20	
Xylenes, Total	60	1.5	60.00	0	100	70	130	3.06	20	
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.8	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130	0	0	
Surr: Dibromofluoromethane	9.9		10.00		99.3	70	130	0	0	
Surr: Toluene-d8	9.2		10.00		92.2	70	130	0	0	

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732271** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732271** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732271** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.7		10.00		87.4	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	8.6		10.00		86.4	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Sample ID: **100ng lcs4**	SampType: **LCS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R101459**	RunNo: **101459**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3733483** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	92.6	70	130			
Toluene	21	1.0	20.00	0	104	70	130			
Ethylbenzene	21	1.0	20.00	0	105	70	130			
Methyl tert-butyl ether (MTBE)	33	1.0	40.00	0	81.6	70	130			
1,2,4-Trimethylbenzene	20	1.0	20.00	0	99.6	70	130			
1,3,5-Trimethylbenzene	19	1.0	20.00	0	96.1	70	130			
1,2-Dichloroethane (EDC)	20	1.0	20.00	0	102	70	130			
1,2-Dibromoethane (EDB)	20	1.0	20.00	0	99.8	70	130			
Naphthalene	18	2.0	20.00	0	91.6	70	130			
1-Methylnaphthalene	15	4.0	20.00	0	77.0	60.3	126			
2-Methylnaphthalene	16	4.0	20.00	0	82.0	59	127			
Acetone	33	10	40.00	0	81.7	53.2	126			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **100ng lcs4**	SampType: **LCS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R101459**	RunNo: **101459**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3733483** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromobenzene	22	1.0	20.00	0	109	70	130			
Bromodichloromethane	21	1.0	20.00	0	107	70	130			
Bromoform	18	1.0	20.00	0	87.6	70	130			
Bromomethane	18	3.0	20.00	0	91.8	15	213			
2-Butanone	34	10	40.00	0	86.0	59.4	136			
Carbon disulfide	30	10	40.00	0	76.0	70	130			
Carbon Tetrachloride	18	1.0	20.00	0	90.1	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
Chloroethane	24	2.0	20.00	0	119	69.5	131			
Chloroform	19	1.0	20.00	0	93.7	70	130			
Chloromethane	25	3.0	20.00	0	123	56.9	143			
2-Chlorotoluene	19	1.0	20.00	0	96.6	70	130			
4-Chlorotoluene	20	1.0	20.00	0	102	70	130			
cis-1,2-DCE	24	1.0	20.00	0	118	70	130			
cis-1,3-Dichloropropene	21	1.0	20.00	0	105	70	130			
1,2-Dibromo-3-chloropropane	18	2.0	20.00	0	88.7	62.3	135			
Dibromochloromethane	20	1.0	20.00	0	97.9	70	130			
Dibromomethane	19	1.0	20.00	0	95.0	70	130			
1,2-Dichlorobenzene	20	1.0	20.00	0	102	70	130			
1,3-Dichlorobenzene	20	1.0	20.00	0	102	70	130			
1,4-Dichlorobenzene	20	1.0	20.00	0	101	70	130			
Dichlorodifluoromethane	21	1.0	20.00	0	107	41	159			
1,1-Dichloroethane	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	98.5	70	130			
1,2-Dichloropropane	20	1.0	20.00	0	99.7	70	130			
1,3-Dichloropropane	20	1.0	20.00	0	101	70	130			
2,2-Dichloropropane	20	2.0	20.00	0	99.9	70	130			
1,1-Dichloropropene	21	1.0	20.00	0	103	70	130			
Hexachlorobutadiene	18	1.0	20.00	0	89.9	63.6	129			
2-Hexanone	40	10	40.00	0	100	63.2	130			
Isopropylbenzene	19	1.0	20.00	0	95.8	70	130			
4-Isopropyltoluene	21	1.0	20.00	0	104	70	130			
4-Methyl-2-pentanone	37	10	40.00	0	91.3	64.7	132			
Methylene Chloride	20	3.0	20.00	0	102	70	130			
n-Butylbenzene	21	3.0	20.00	0	107	70	130			
n-Propylbenzene	20	1.0	20.00	0	101	70	130			
sec-Butylbenzene	20	1.0	20.00	0	98.2	70	130			
Styrene	19	1.0	20.00	0	96.6	70	130			
tert-Butylbenzene	19	1.0	20.00	0	97.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **100ng lcs4**	SampType: **LCS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R101459**	RunNo: **101459**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3733483** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	19	1.0	20.00	0	95.2	70	130			
1,1,2,2-Tetrachloroethane	21	2.0	20.00	0	106	65.8	138			
Tetrachloroethene (PCE)	21	1.0	20.00	0	103	70	130			
trans-1,2-DCE	20	1.0	20.00	0	99.7	70	130			
trans-1,3-Dichloropropene	21	1.0	20.00	0	103	70	130			
1,2,3-Trichlorobenzene	20	1.0	20.00	0	97.8	70	130			
1,2,4-Trichlorobenzene	19	1.0	20.00	0	94.8	70	130			
1,1,1-Trichloroethane	19	1.0	20.00	0	94.0	70	130			
1,1,2-Trichloroethane	21	1.0	20.00	0	104	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	87.6	70	130			
Trichlorofluoromethane	20	1.0	20.00	0	98.8	70	130			
1,2,3-Trichloropropane	18	2.0	20.00	0	91.4	70	130			
Vinyl chloride	21	1.0	20.00	0	106	70	130			
Xylenes, Total	63	1.5	60.00	0	105	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.6	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	8.7		10.00		87.1	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID: **2311907-016a ms**	SampType: **MS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GWMW-09S**	Batch ID: **R101459**	RunNo: **101459**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3733485** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	92.1	70	130			
Toluene	20	1.0	20.00	0	99.8	70	130			
Ethylbenzene	20	1.0	20.00	0	99.7	70	130			
Methyl tert-butyl ether (MTBE)	31	1.0	40.00	0	77.5	70	130			
1,2,4-Trimethylbenzene	19	1.0	20.00	0	95.0	70	130			
1,3,5-Trimethylbenzene	19	1.0	20.00	0	94.4	70	130			
1,2-Dichloroethane (EDC)	20	1.0	20.00	0	101	73.8	142			
1,2-Dibromoethane (EDB)	19	1.0	20.00	0	96.5	70	130			
Naphthalene	18	2.0	20.00	0	89.9	62.7	138			
1-Methylnaphthalene	15	4.0	20.00	0	75.8	55.9	152			
2-Methylnaphthalene	17	4.0	20.00	0	83.0	64.1	136			
Acetone	34	10	40.00	0	85.9	48.7	134			
Bromobenzene	21	1.0	20.00	0	107	70	130			
Bromodichloromethane	21	1.0	20.00	0.3012	103	70	130			
Bromoform	18	1.0	20.00	0	89.2	68.8	132			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **2311907-016a ms**	SampType: **MS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GWMW-09S**	Batch ID: **R101459**	RunNo: **101459**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3733485** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromomethane	18	3.0	20.00	0	90.0	56.3	147			
2-Butanone	39	10	40.00	0	97.5	62	153			
Carbon disulfide	29	10	40.00	0	72.3	70	130			
Carbon Tetrachloride	18	1.0	20.00	0	88.7	70	130			
Chlorobenzene	19	1.0	20.00	0	95.4	70	130			
Chloroethane	23	2.0	20.00	0	117	64.1	142			
Chloroform	19	1.0	20.00	0	95.9	70	130			
Chloromethane	25	3.0	20.00	0	125	60.5	160			
2-Chlorotoluene	19	1.0	20.00	0	94.8	70	130			
4-Chlorotoluene	20	1.0	20.00	0	99.8	70	130			
cis-1,2-DCE	22	1.0	20.00	0	111	70	130			
cis-1,3-Dichloropropene	20	1.0	20.00	0	99.1	70	130			
1,2-Dibromo-3-chloropropane	19	2.0	20.00	0	93.3	59.4	157			
Dibromochloromethane	18	1.0	20.00	0	92.3	70	130			
Dibromomethane	18	1.0	20.00	0	92.2	70	130			
1,2-Dichlorobenzene	19	1.0	20.00	0	97.4	70	130			
1,3-Dichlorobenzene	20	1.0	20.00	0	99.0	70	130			
1,4-Dichlorobenzene	19	1.0	20.00	0	96.7	70	130			
Dichlorodifluoromethane	20	1.0	20.00	0	99.3	37.7	152			
1,1-Dichloroethane	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	92.8	64.5	134			
1,2-Dichloropropane	20	1.0	20.00	0	99.4	70	130			
1,3-Dichloropropane	20	1.0	20.00	0	98.0	70	130			
2,2-Dichloropropane	20	2.0	20.00	0	101	70	130			
1,1-Dichloropropene	21	1.0	20.00	0	105	70	130			
Hexachlorobutadiene	19	1.0	20.00	0	93.1	47.9	137			
2-Hexanone	41	10	40.00	0	102	54.3	178			
Isopropylbenzene	18	1.0	20.00	0	92.1	70	130			
4-Isopropyltoluene	20	1.0	20.00	0	97.8	70	130			
4-Methyl-2-pentanone	38	10	40.00	0	94.1	66.8	166			
Methylene Chloride	19	3.0	20.00	0	97.4	70	130			
n-Butylbenzene	21	3.0	20.00	0	107	60.2	129			
n-Propylbenzene	19	1.0	20.00	0	97.1	70	130			
sec-Butylbenzene	19	1.0	20.00	0	94.0	70	130			
Styrene	19	1.0	20.00	0	93.3	70	130			
tert-Butylbenzene	19	1.0	20.00	0	94.7	70	130			
1,1,1,2-Tetrachloroethane	18	1.0	20.00	0	88.4	70	130			
1,1,2,2-Tetrachloroethane	22	2.0	20.00	0	109	69.7	149			
Tetrachloroethene (PCE)	21	1.0	20.00	0.3494	102	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **2311907-016a ms** SampType: **MS4** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GWMW-09S** Batch ID: **R101459** RunNo: **101459**

Prep Date: Analysis Date: **11/28/2023** SeqNo: **3733485** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
trans-1,2-DCE	20	1.0	20.00	0	101	70	130			
trans-1,3-Dichloropropene	20	1.0	20.00	0	101	70	130			
1,2,3-Trichlorobenzene	20	1.0	20.00	0	98.3	70	130			
1,2,4-Trichlorobenzene	19	1.0	20.00	0	92.7	70	130			
1,1,1-Trichloroethane	19	1.0	20.00	0	94.9	70	130			
1,1,2-Trichloroethane	20	1.0	20.00	0	99.3	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	87.7	70	130			
Trichlorofluoromethane	20	1.0	20.00	0	97.9	70	130			
1,2,3-Trichloropropane	19	2.0	20.00	0	92.5	41.7	182			
Vinyl chloride	22	1.0	20.00	0	110	70	130			
Xylenes, Total	60	1.5	60.00	0	99.3	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130			
Surr: Dibromofluoromethane	9.0		10.00		89.6	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID: **2311907-016a msd** SampType: **MSD4** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GWMW-09S** Batch ID: **R101459** RunNo: **101459**

Prep Date: Analysis Date: **11/28/2023** SeqNo: **3733486** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	90.6	70	130	1.63	20	
Toluene	20	1.0	20.00	0	99.8	70	130	0.0561	20	
Ethylbenzene	20	1.0	20.00	0	97.9	70	130	1.86	20	
Methyl tert-butyl ether (MTBE)	32	1.0	40.00	0	79.2	70	130	2.15	20	
1,2,4-Trimethylbenzene	20	1.0	20.00	0	102	70	130	7.45	20	
1,3,5-Trimethylbenzene	19	1.0	20.00	0	95.9	70	130	1.58	20	
1,2-Dichloroethane (EDC)	21	1.0	20.00	0	104	73.8	142	2.45	20	
1,2-Dibromoethane (EDB)	21	1.0	20.00	0	104	70	130	7.06	20	
Naphthalene	18	2.0	20.00	0	91.7	62.7	138	1.98	20	
1-Methylnaphthalene	17	4.0	20.00	0	84.4	55.9	152	10.7	20	
2-Methylnaphthalene	17	4.0	20.00	0	85.8	64.1	136	3.34	20	
Acetone	36	10	40.00	0	90.2	48.7	134	4.84	20	
Bromobenzene	22	1.0	20.00	0	110	70	130	1.86	20	
Bromodichloromethane	21	1.0	20.00	0.3012	106	70	130	2.90	20	
Bromoform	19	1.0	20.00	0	94.0	68.8	132	5.20	20	
Bromomethane	23	3.0	20.00	0	116	56.3	147	25.1	20	R
2-Butanone	39	10	40.00	0	97.4	62	153	0.147	20	
Carbon disulfide	30	10	40.00	0	73.8	70	130	2.18	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **2311907-016a msd**	SampType: **MSD4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **GWMW-09S**	Batch ID: **R101459**	RunNo: **101459**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3733486** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Carbon Tetrachloride	18	1.0	20.00	0	88.7	70	130	0.00676	20	
Chlorobenzene	20	1.0	20.00	0	97.6	70	130	2.27	20	
Chloroethane	23	2.0	20.00	0	117	64.1	142	0.177	20	
Chloroform	19	1.0	20.00	0	92.8	70	130	3.32	20	
Chloromethane	24	3.0	20.00	0	120	60.5	160	3.80	20	
2-Chlorotoluene	19	1.0	20.00	0	96.7	70	130	1.97	20	
4-Chlorotoluene	20	1.0	20.00	0	100	70	130	0.507	20	
cis-1,2-DCE	22	1.0	20.00	0	112	70	130	1.08	20	
cis-1,3-Dichloropropene	20	1.0	20.00	0	102	70	130	3.35	20	
1,2-Dibromo-3-chloropropane	21	2.0	20.00	0	103	59.4	157	10.0	20	
Dibromochloromethane	20	1.0	20.00	0	98.3	70	130	6.30	20	
Dibromomethane	19	1.0	20.00	0	95.6	70	130	3.60	20	
1,2-Dichlorobenzene	20	1.0	20.00	0	101	70	130	3.35	20	
1,3-Dichlorobenzene	20	1.0	20.00	0	101	70	130	2.42	20	
1,4-Dichlorobenzene	20	1.0	20.00	0	101	70	130	4.56	20	
Dichlorodifluoromethane	21	1.0	20.00	0	105	37.7	152	5.81	20	
1,1-Dichloroethane	20	1.0	20.00	0	102	70	130	0.125	20	
1,1-Dichloroethene	19	1.0	20.00	0	95.0	64.5	134	2.31	20	
1,2-Dichloropropane	20	1.0	20.00	0	99.9	70	130	0.479	20	
1,3-Dichloropropane	20	1.0	20.00	0	99.2	70	130	1.21	20	
2,2-Dichloropropane	20	2.0	20.00	0	99.1	70	130	2.22	20	
1,1-Dichloropropene	21	1.0	20.00	0	105	70	130	0.138	20	
Hexachlorobutadiene	20	1.0	20.00	0	98.5	47.9	137	5.65	20	
2-Hexanone	42	10	40.00	0	104	54.3	178	1.95	20	
Isopropylbenzene	18	1.0	20.00	0	90.5	70	130	1.84	20	
4-Isopropyltoluene	21	1.0	20.00	0	104	70	130	6.49	20	
4-Methyl-2-pentanone	37	10	40.00	0	92.5	66.8	166	1.72	20	
Methylene Chloride	19	3.0	20.00	0	94.2	70	130	3.37	20	
n-Butylbenzene	22	3.0	20.00	0	109	60.2	129	1.84	20	
n-Propylbenzene	19	1.0	20.00	0	96.6	70	130	0.519	20	
sec-Butylbenzene	20	1.0	20.00	0	102	70	130	8.10	20	
Styrene	18	1.0	20.00	0	89.7	70	130	3.93	20	
tert-Butylbenzene	19	1.0	20.00	0	96.5	70	130	1.86	20	
1,1,1,2-Tetrachloroethane	18	1.0	20.00	0	91.6	70	130	3.56	20	
1,1,2,2-Tetrachloroethane	22	2.0	20.00	0	112	69.7	149	2.66	20	
Tetrachloroethene (PCE)	21	1.0	20.00	0.3494	103	70	130	0.569	20	
trans-1,2-DCE	19	1.0	20.00	0	97.1	70	130	3.61	20	
trans-1,3-Dichloropropene	21	1.0	20.00	0	105	70	130	4.03	20	
1,2,3-Trichlorobenzene	20	1.0	20.00	0	102	70	130	4.16	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **2311907-016a msd** SampType: **MSD4** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **GWMW-09S** Batch ID: **R101459** RunNo: **101459**

Prep Date: Analysis Date: **11/28/2023** SeqNo: **3733486** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	20	1.0	20.00	0	99.1	70	130	6.72	20	
1,1,1-Trichloroethane	19	1.0	20.00	0	93.5	70	130	1.51	20	
1,1,2-Trichloroethane	20	1.0	20.00	0	102	70	130	2.98	20	
Trichloroethene (TCE)	17	1.0	20.00	0	86.7	70	130	1.06	20	
Trichlorofluoromethane	19	1.0	20.00	0	95.9	70	130	2.07	20	
1,2,3-Trichloropropane	20	2.0	20.00	0	101	41.7	182	8.52	20	
Vinyl chloride	22	1.0	20.00	0	109	70	130	1.21	20	
Xylenes, Total	59	1.5	60.00	0	98.6	70	130	0.712	20	
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.3	70	130	0	0	
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130	0	0	
Surr: Dibromofluoromethane	9.2		10.00		92.0	70	130	0	0	
Surr: Toluene-d8	10		10.00		103	70	130	0	0	

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **PBW** Batch ID: **R101459** RunNo: **101459**

Prep Date: Analysis Date: **11/28/2023** SeqNo: **3733500** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101459**	RunNo: **101459**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3733500** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311907**

19-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Griggs Walnut

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101459**	RunNo: **101459**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3733500** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.2		10.00		92.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130			
Surr: Dibromofluoromethane	8.7		10.00		87.0	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

eurofins
Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Daniel B. Stephens & Work Order Number: 2311907 RcptNo: 1

Received By: Tracy Casarrubias 11/16/2023 3:25:00 PM

Completed By: Tracy Casarrubias 11/16/2023 3:49:59 PM

Reviewed By: [signature] 11/17/23

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☑ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☑ TMC 11/17/23
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☐ No ☑
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: 4 6 (<2 or >12 unless noted)

Adjusted? NO

Checked by: TMC 11/17/23

Special Handling (if applicable)

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

Person Notified: Grace H. Date: 11/17/23, 11/16/2023

By Whom: Tracy Casarrubias Via: ☐ eMail ☑ Phone ☐ Fax ☐ In Person

Regarding: Collection Date Discrepancy. /Extra Volume.

Client Instructions: Confirmed that the collection date for 025 was "11/16/23"- TMC 11/16/23

16. Additional remarks: Added the "Arsenic Speciation" analysis to COC per client. -TMC 11/17/23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Not Present	Morty		
2	2.2	Good	Not Present	Morty		

Chain-of-Custody Record

Client: DBS &A

Mailing Address: 6020 Academy NE
ABQ NM 87109

Phone #: (505) 822-9400

email or Fax#: gherrmann@geo-logic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Griggs-Walnut

Project #: DB23.1349

Project Manager: Grace Herrmann

Sampler: Mercedes Salazar

On Ice: ☑ Yes ☐ No morty

# of Coolers: 1

Cooler Temp (Including CF): 3.4 -0.1 = 3.3 (°C)
2.8 -0.1 = 2.2 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/15	1620	GW	GWMW-15S	3, VOA	$HgCl_2$	001								X		
	1613		GWMW-15I			002										
	1600		GWMW-15D			003										
	1433		GWMW-11D			004										
	1450		GWMW-11I			005										
	1505		GWMW-11S			006										
	1200		MW-SF10			007										
	1202		MW-SF10_DUP			008										
	1043		NGMW-01			009										
	1025		NGMW-02			010										
	0815		NGMW-03			011										
↓	1005	↓	MW-SF5	↓	↓	012								↓		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/17	1323	Mercedes Salazar		CD	11/16/23	15:25
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

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

Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 ACADEMY NE ABQ NM 87109

Phone #: 505 822 9400

email or Fax#: gherman@geo-logic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Griggs–Walnut

Project #: DB23.1349

Project Manager: Grace Herman

Sampler: M. Salazar

On Ice: ☑ Yes ☐ No Morty

# of Coolers: 2

Cooler Temp(including CF): 3.4 -0.1=3.3 (°C) 2.3-0.1=2.2 c

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311907	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/14	1610	GW	GW MW-08D	3 VOA	HgCl2	013								X		
11/14	1620		FB-1			014										
11/14	~~1525~~	15:28 mw 11/16/23	GWMW-08S			015										
11/15	0840		GWMW-09S			016										
	0842		GWMW-09S-MS			~~017~~										
	0843		GWMW-09S-MSD			~~018~~										
	0905		GWMW-09D2			~~019~~ 017										
	0940		GWMW-09D1			~~020~~ 018										
	1103		GWMW-10D			~~021~~ 019										
	1120		GWMW-10I			~~022~~ 020										
	1133		GWMW-10S			~~023~~ 021										
	1305		GWMW-01I			~~024~~ 022										

mw 11/16/23

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/17	1523	Mercedes Salazar		CDO	11/16/23	15:25
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

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Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 Academy NE
ABQ NM 87109

Phone #: (505) 822-9400

email or Fax#: gherrmann@geologic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Griggs - Walnut

Project #: DB23.1349

Project Manager: Grace Herrmann

Sampler:
On Ice: ☒ Yes ☐ No morty
# of Coolers: 2
Cooler Temp(including CF): 3.4-0.1=3.3 (°C)
2.3-0.1=2.2 -c

HALL ENVIRONMENTAL ANALYSIS LABORATORY
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Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Total U&As, 2008	Dissolved U&As, 200.8	Arsenic Speciation - per client
11/15	0908	GW	~~FB-3~~ FB-2 ~~FB-3~~	VOA 3	$HgCl_2$	~~025~~ 023								X					
11/15	1340		GWMW-01S	VOA 3		~~026~~ 024								X					
~~11/16~~ 11/17	1115		GWMW-01D	VOA 3		~~027~~ 025								X					
11/15	1530		MW-SF9	VOA 3		~~028~~ 026								X					
11/16	0945		GWMW-16S	VOA 3		~~029~~ 027								X					
11/16	~~0930~~		GWMW-16D	VOA 3		~~030~~ 028								X					
11/16	0830		CLC 18	Plastic 3	Various	~~031~~ 029										X	X	X	
11/16	0850		CLC 27	Plastic 3	Various	~~032~~ 030										X	X	X	
			Trip Blank			~~033~~ 031													
			Trip Blank			~~034~~ 032													
11/14	1612		GWMW-08D-DUP	VOA 3	$HgCl_2$	~~035~~ 033								X					
11/15	1436		GWMW-11D-DUP	VOA 3	$HgCl_2$	~~036~~ 034								X					

11/16 per client time 11/16/23

11/16/23 TNM

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/17	1523	Mercedes Salazar		CDO		
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					11/16/23	15:25

Remarks:

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Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 Academy NE
ABQ NM 87109

Phone #: (505) 822-9400

email or Fax#: gherrmann@geo-logic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Griggs-Walnut

Project #: DB23-1349

Project Manager: Grace Herrmann

Sampler: M. Salazar

On Ice: ☒ Yes ☐ No mocky

# of Coolers: 2

Cooler Temp(including CF): 3.4 - 0.1 = 3.3 (°C)
2.3 - 0.1 = 2.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
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Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/16	0930	GW	FB-3	VOA 3	$HgCl_2$	2311907 -037 ~~035~~								X		
11/15	1602		GWMW-15D-MS			-003										
11/15	1604		GWMW-15D-MSD			-003										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/17	1523			CD	11/16/23	15:25
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

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

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 13, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2312067

Dear Luis Guerra:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 12/1/2023 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 18-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:07:00 AM
Lab ID: 2312067-001 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Bromoform	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Dibromochloromethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 18-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:07:00 AM
Lab ID: 2312067-001 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Tetrachloroethene (PCE)	2.5	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 1:13:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%Rec	1	12/8/2023 1:13:00 PM	R101702
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/8/2023 1:13:00 PM	R101702
Surr: Dibromofluoromethane	101	70-130		%Rec	1	12/8/2023 1:13:00 PM	R101702
Surr: Toluene-d8	92.1	70-130		%Rec	1	12/8/2023 1:13:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 27-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:27:00 AM
Lab ID: 2312067-002 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Bromoform	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Dibromochloromethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 27-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:27:00 AM
Lab ID: 2312067-002 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Tetrachloroethene (PCE)	13	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 1:37:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%Rec	1	12/8/2023 1:37:00 PM	R101702
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/8/2023 1:37:00 PM	R101702
Surr: Dibromofluoromethane	101	70-130		%Rec	1	12/8/2023 1:37:00 PM	R101702
Surr: Toluene-d8	90.0	70-130		%Rec	1	12/8/2023 1:37:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC IS1-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:10:00 AM
Lab ID: 2312067-003 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Bromoform	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Dibromochloromethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-231130
Project: Joint Superfund Project Monthly Analysi
Collection Date: 11/30/2023 8:10:00 AM
Lab ID: 2312067-003
Matrix: DRINKING W
Received Date: 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Tetrachloroethene (PCE)	10	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 2:01:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/8/2023 2:01:00 PM	R101702
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/8/2023 2:01:00 PM	R101702
Surr: Dibromofluoromethane	102	70-130		%Rec	1	12/8/2023 2:01:00 PM	R101702
Surr: Toluene-d8	91.2	70-130		%Rec	1	12/8/2023 2:01:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-231130 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 11/30/2023 8:11:00 AM
Lab ID: 2312067-004
Matrix: DRINKING W
Received Date: 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Bromoform	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Dibromochloromethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-231130 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 11/30/2023 8:11:00 AM
Lab ID: 2312067-004
Matrix: DRINKING W
Received Date: 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Tetrachloroethene (PCE)	10	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 2:26:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/8/2023 2:26:00 PM	R101702
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	12/8/2023 2:26:00 PM	R101702
Surr: Dibromofluoromethane	104	70-130		%Rec	1	12/8/2023 2:26:00 PM	R101702
Surr: Toluene-d8	90.3	70-130		%Rec	1	12/8/2023 2:26:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC ES1-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:14:00 AM
Lab ID: 2312067-005 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Bromoform	5.6	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Dibromochloromethane	1.9	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-231130
Project: Joint Superfund Project Monthly Analysi
Collection Date: 11/30/2023 8:14:00 AM
Lab ID: 2312067-005
Matrix: DRINKING W
Received Date: 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 2:50:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/8/2023 2:50:00 PM	R101702
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	12/8/2023 2:50:00 PM	R101702
Surr: Dibromofluoromethane	101	70-130		%Rec	1	12/8/2023 2:50:00 PM	R101702
Surr: Toluene-d8	92.4	70-130		%Rec	1	12/8/2023 2:50:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312067**

13-Dec-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R101702**	RunNo: **101702**
Prep Date:	Analysis Date: **12/8/2023**	SeqNo: **3747166** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	19	1.0	20.00	0	95.0	70	130			
Chlorobenzene	19	1.0	20.00	0	95.0	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	98.1	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	97.3	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.1	70	130			
Surr: Toluene-d8	9.1		10.00		91.3	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101702**	RunNo: **101702**
Prep Date:	Analysis Date: **12/8/2023**	SeqNo: **3747864** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312067**

13-Dec-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101702**	RunNo: **101702**
Prep Date:	Analysis Date: **12/8/2023**	SeqNo: **3747864** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312067**

13-Dec-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101702**	RunNo: **101702**
Prep Date:	Analysis Date: **12/8/2023**	SeqNo: **3747864** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		99.8	70	130			
Surr: Toluene-d8	9.1		10.00		91.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: City of Las Cruces Work Order Number: 2312067 RcptNo: 1

Received By: Joseph Alderette 12/1/2023 9:20:00 AM

Completed By: Desiree Dominguez 12/1/2023 2:45:40 PM

Reviewed By: 12-1-23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: SCM 12/1/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.0	Good	~~Not Present~~ YES	Morty		

DAD 12/1/23

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces NM 88004
Phone #: 575-528-3609
email or Fax#: lguerra@las-cruces.gov
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: Joint Superfund Project Monthly Analysis
Project #: CLC JSP Griggs Walnut
Project Manager: Luis Guerra (575) 528-3609
Sampler: E. Dominguez
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp (Including CF): 3.1 - 0.1 = 3.0 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312067
11/30/23	0807	Drinking water	CLC 18 - 231130	3-40 mL vials	HgCl2	-001
	0807		CLC 27 - 231130			-002
	0810		CLC 151 - 231130			-003
	0811		CLC 151 - 231130 (Dup)			-004
11/30/23	0814	Drinking water	CLC E51 - 231130	3-40 mL vials	HgCl2	-005

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
							X		
							X		
							X		
							X		
							X		

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11/30/23	1300			fedex	12-1-23	9:20
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send results to:
Luis Guerra : lguerra@las-cruces.gov
Send invoice to: CLC c/o Luis Guerra
Custody Seal present and intact 12-1-23

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

Appendix D

Daily Operational Data

DBS&A
a Geo-Logic Company

January 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
January 2023

Date	Raw Water	Finished Water
01/01/2023	193,140	187,354
01/02/2023	195,120	182,341
01/03/2023	217,616	210,163
01/04/2023	217,616	210,163
01/05/2023	221,280	214,495
01/06/2023	221,280	214,495
01/07/2023	191,136	184,662
01/08/2023	180,381	180,237
01/09/2023	192,122	177,856
01/10/2023	215,559	209,546
01/11/2023	215,559	209,546
01/12/2023	35,793	34,825
01/13/2023	0	0
01/14/2023	0	0
01/15/2023	0	0
01/16/2023	0	0
01/17/2023	36,130	34,913
01/18/2023	0	0
01/19/2023	23,980	23,835
01/20/2023	0	0
01/21/2023	0	0
01/22/2023	0	0
01/23/2023	0	0
01/24/2023	36,317	35,341
01/25/2023	0	0
01/26/2023	35,702	35,134
01/27/2023	0	0
01/28/2023	0	0
01/29/2023	0	0
01/30/2023	0	0
01/31/2023	203,721	190,168
Totals:	**2,632,452**	**2,535,072**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
January 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
01/01/2023	4.0	4.2	4.4	4.5
01/02/2023	4.5	3.8	4.4	4.7
01/03/2023	4.7	4.5	4.9	5.2
01/04/2023	4.7	4.5	4.9	5.2
01/05/2023	4.8	4.6	5.0	5.3
01/06/2023	4.8	4.6	5.0	5.3
01/07/2023	4.0	4.1	4.2	4.6
01/08/2023	3.8	3.8	4.0	4.6
01/09/2023	4.5	3.7	4.5	4.1
01/10/2023	4.7	4.5	4.8	5.2
01/11/2023	4.7	4.5	4.8	5.2
01/12/2023	0.5	1.0	1.1	0.6
01/13/2023	0.0	0.0	0.0	0.0
01/14/2023	0.0	0.0	0.0	0.0
01/15/2023	0.0	0.0	0.0	0.0
01/16/2023	0.0	0.0	0.0	0.0
01/17/2023	1.0	0.5	0.5	1.1
01/18/2023	0.0	0.0	0.0	0.0
01/19/2023	0.5	0.5	0.6	0.6
01/20/2023	0.0	0.0	0.0	0.0
01/21/2023	0.0	0.0	0.0	0.0
01/22/2023	0.0	0.0	0.0	0.0
01/23/2023	0.0	0.0	0.0	0.0
01/24/2023	0.9	0.6	1.1	0.6
01/25/2023	0.0	0.0	0.0	0.0
01/26/2023	0.5	1.0	0.5	1.1
01/27/2023	0.0	0.0	0.0	0.0
01/28/2023	0.0	0.0	0.0	0.0
01/29/2023	0.0	0.0	0.0	0.0
01/30/2023	0.0	0.0	0.0	0.0
01/31/2023	4.7	3.9	3.1	5.9
Totals:	**57.2**	**54.5**	**57.9**	**63.6**
	111.8		**121.5**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
January 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
01/01/2023	0.0	8.3	0.0	9.0
01/02/2023	0.0	8.3	0.0	8.8
01/03/2023	0.0	9.3	0.0	10.1
01/04/2023	0.0	9.3	0.0	10.1
01/05/2023	0.0	9.4	0.0	10.3
01/06/2023	0.0	9.4	0.0	10.3
01/07/2023	0.0	8.2	0.0	8.9
01/08/2023	0.0	7.7	0.0	8.7
01/09/2023	0.0	8.2	0.0	8.6
01/10/2023	0.0	9.2	0.0	10.1
01/11/2023	0.0	9.2	0.0	10.1
01/12/2023	0.0	1.5	0.0	1.7
01/13/2023	0.0	0.0	0.0	0.0
01/14/2023	0.0	0.0	0.0	0.0
01/15/2023	0.0	0.0	0.0	0.0
01/16/2023	0.0	0.0	0.0	0.0
01/17/2023	0.0	1.5	0.0	1.7
01/18/2023	0.0	0.0	0.0	0.0
01/19/2023	0.0	1.0	0.0	1.1
01/20/2023	0.0	0.0	0.0	0.0
01/21/2023	0.0	0.0	0.0	0.0
01/22/2023	0.0	0.0	0.0	0.0
01/23/2023	0.0	0.0	0.0	0.0
01/24/2023	0.0	1.6	0.0	1.7
01/25/2023	0.0	0.0	0.0	0.0
01/26/2023	0.0	1.5	0.0	1.7
01/27/2023	0.0	0.0	0.0	0.0
01/28/2023	0.0	0.0	0.0	0.0
01/29/2023	0.0	0.0	0.0	0.0
01/30/2023	0.0	0.0	0.0	0.0
01/31/2023	0.0	8.7	0.0	9.0
Totals:	**0.0**	**112.5**	**0.0**	**121.8**
	112.5		**121.8**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
January 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
01/01/2023	0.0	0	24.0	183,962
01/02/2023	0.0	0	24.0	183,211
01/03/2023	6.0	31,053	24.0	183,816
01/04/2023	6.0	31,053	24.0	183,816
01/05/2023	6.0	30,992	24.0	183,411
01/06/2023	6.0	30,992	24.0	182,978
01/07/2023	0.0	0	24.0	182,592
01/08/2023	0.0	0	24.0	182,592
01/09/2023	0.0	0	24.0	182,488
01/10/2023	6.0	30,970	24.0	182,095
01/11/2023	6.0	30,970	8.0	63,444
01/12/2023	6.0	31,181	8.0	63,444
01/13/2023	0.0	0	0.0	0
01/14/2023	0.0	0	0.0	0
01/15/2023	0.0	0	0.0	0
01/16/2023	0.0	0	0.0	0
01/17/2023	6.0	31,295	0.0	0
01/18/2023	0.0	0	0.0	0
01/19/2023	6.0	31,338	0.0	0
01/20/2023	0.0	0	0.0	0
01/21/2023	0.0	0	0.0	0
01/22/2023	0.0	0	0.0	0
01/23/2023	0.0	0	0.0	0
01/24/2023	6.0	31,353	0.0	0
01/25/2023	0.0	0	0.0	0
01/26/2023	6.0	31,346	0.0	0
01/27/2023	0.0	0	0.0	0
01/28/2023	0.0	0	0.0	0
01/29/2023	0.0	0	0.0	0
01/30/2023	0.0	0	0.0	0
01/31/2023	6.0	31,305	0.0	168,776
Totals:	**72.0**	**373,846**	256.0	**2,126,625**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/01/2023 12:00 AM	0.0	197.0	249.9	223.0
01/01/2023 01:00 AM	0.0	197.0	249.9	223.0
01/01/2023 02:00 AM	0.0	197.0	249.9	223.0
01/01/2023 03:00 AM	0.0	197.0	249.8	223.0
01/01/2023 04:00 AM	0.0	196.9	249.8	223.0
01/01/2023 05:00 AM	0.0	197.0	249.8	223.0
01/01/2023 06:00 AM	0.0	197.0	249.8	223.0
01/01/2023 07:00 AM	0.0	197.0	249.8	223.0
01/01/2023 08:00 AM	0.0	196.9	249.8	223.0
01/01/2023 09:00 AM	0.0	196.9	249.8	223.0
01/01/2023 10:00 AM	0.0	196.9	249.8	223.0
01/01/2023 11:00 AM	0.0	196.9	249.8	223.0
01/01/2023 12:00 PM	0.0	196.9	249.7	223.0
01/01/2023 01:00 PM	0.0	196.9	249.7	223.0
01/01/2023 02:00 PM	0.0	196.8	249.7	223.0
01/01/2023 03:00 PM	0.0	196.8	249.6	223.0
01/01/2023 04:00 PM	0.0	196.8	249.6	223.0
01/01/2023 05:00 PM	0.0	196.8	249.5	223.0
01/01/2023 06:00 PM	0.0	196.8	249.6	223.0
01/01/2023 07:00 PM	0.0	196.8	249.6	223.0
01/01/2023 08:00 PM	0.0	196.8	249.6	223.0
01/01/2023 09:00 PM	0.0	196.8	249.6	223.0
01/01/2023 10:00 PM	0.0	196.8	249.6	223.0
01/01/2023 11:00 PM	0.0	196.8	249.6	223.0
01/02/2023 12:00 AM	0.0	196.7	249.6	223.0
01/02/2023 01:00 AM	0.0	196.7	249.6	223.0
01/02/2023 02:00 AM	0.0	196.7	249.6	223.0
01/02/2023 03:00 AM	0.0	196.7	249.6	223.0
01/02/2023 04:00 AM	0.0	196.6	249.5	223.0
01/02/2023 05:00 AM	0.0	196.6	249.5	223.0
01/02/2023 06:00 AM	0.0	196.6	249.5	223.0
01/02/2023 07:00 AM	0.0	196.6	249.4	223.0
01/02/2023 08:00 AM	0.0	196.6	249.5	223.0
01/02/2023 09:00 AM	0.0	196.6	249.5	223.0
01/02/2023 10:00 AM	0.0	196.6	249.4	223.0
01/02/2023 11:00 AM	0.0	196.6	249.4	223.0
01/02/2023 12:00 PM	0.0	196.6	249.4	223.0
01/02/2023 01:00 PM	0.0	196.5	249.3	223.0
01/02/2023 02:00 PM	0.0	196.5	249.3	223.0
01/02/2023 03:00 PM	0.0	196.5	249.3	223.0
01/02/2023 04:00 PM	0.0	196.5	249.3	223.0
01/02/2023 05:00 PM	0.0	196.5	249.3	223.0
01/02/2023 06:00 PM	0.0	196.5	249.4	223.0
01/02/2023 07:00 PM	0.0	196.5	249.4	223.0
01/02/2023 08:00 PM	0.0	196.5	249.4	223.0
01/02/2023 09:00 PM	0.0	196.5	249.4	223.0
01/02/2023 10:00 PM	0.0	196.5	249.4	223.0
01/02/2023 11:00 PM	0.0	196.5	249.5	223.0
01/03/2023 12:00 AM	0.0	196.5	249.5	223.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/03/2023 01:00 AM	0.0	196.5	249.6	223.0
01/03/2023 02:00 AM	0.0	196.5	249.6	223.0
01/03/2023 03:00 AM	0.0	196.4	249.6	223.0
01/03/2023 04:00 AM	0.0	196.4	249.5	223.0
01/03/2023 05:00 AM	0.0	196.4	249.5	223.0
01/03/2023 06:00 AM	0.0	196.4	249.5	223.0
01/03/2023 07:00 AM	0.0	196.4	249.5	223.0
01/03/2023 08:00 AM	0.0	196.4	249.5	223.0
01/03/2023 09:00 AM	193.5	196.5	249.6	223.0
01/03/2023 10:00 AM	204.3	196.5	249.7	223.0
01/03/2023 11:00 AM	204.5	196.5	249.7	223.0
01/03/2023 12:00 PM	204.6	196.5	249.8	223.0
01/03/2023 01:00 PM	204.7	196.5	249.8	223.0
01/03/2023 02:00 PM	204.7	196.5	249.8	223.0
01/03/2023 03:00 PM	20.5	197.4	249.9	223.0
01/03/2023 04:00 PM	0.0	197.0	249.8	223.0
01/03/2023 05:00 PM	0.0	196.9	249.8	223.0
01/03/2023 06:00 PM	0.0	196.8	249.8	223.0
01/03/2023 07:00 PM	0.0	196.8	249.8	223.0
01/03/2023 08:00 PM	0.0	196.8	249.8	223.0
01/03/2023 09:00 PM	0.0	196.8	249.8	223.0
01/03/2023 10:00 PM	0.0	196.8	249.9	223.0
01/03/2023 11:00 PM	0.0	196.8	249.9	223.0
01/04/2023 12:00 AM	0.0	196.7	249.8	223.0
01/04/2023 01:00 AM	0.0	196.7	249.7	223.0
01/04/2023 02:00 AM	0.0	196.7	249.7	223.0
01/04/2023 03:00 AM	0.0	196.7	249.7	223.0
01/04/2023 04:00 AM	0.0	196.7	249.6	223.0
01/04/2023 05:00 AM	0.0	196.7	249.6	223.0
01/04/2023 06:00 AM	0.0	196.7	249.6	223.0
01/04/2023 07:00 AM	0.0	196.7	249.6	223.0
01/04/2023 08:00 AM	0.0	196.7	249.7	223.0
01/04/2023 09:00 AM	0.0	196.7	249.7	223.0
01/04/2023 10:00 AM	0.0	196.8	249.7	223.0
01/04/2023 11:00 AM	0.0	196.8	249.7	223.0
01/04/2023 12:00 PM	0.0	196.8	249.7	223.0
01/04/2023 01:00 PM	0.0	196.7	249.7	223.0
01/04/2023 02:00 PM	0.0	196.7	249.7	223.0
01/04/2023 03:00 PM	0.0	196.7	249.7	223.0
01/04/2023 04:00 PM	0.0	196.7	249.7	223.0
01/04/2023 05:00 PM	0.0	196.8	249.7	223.0
01/04/2023 06:00 PM	0.0	196.8	249.7	223.0
01/04/2023 07:00 PM	0.0	196.8	249.7	223.0
01/04/2023 08:00 PM	0.0	196.8	249.7	223.0
01/04/2023 09:00 PM	0.0	196.8	249.8	223.0
01/04/2023 10:00 PM	0.0	196.9	249.8	223.0
01/04/2023 11:00 PM	0.0	196.9	249.8	223.0
01/05/2023 12:00 AM	0.0	196.9	249.8	223.0
01/05/2023 01:00 AM	0.0	197.0	249.9	223.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/05/2023 02:00 AM	0.0	197.0	249.8	223.0
01/05/2023 03:00 AM	0.0	197.0	249.9	223.0
01/05/2023 04:00 AM	0.0	197.0	249.8	223.0
01/05/2023 05:00 AM	0.0	197.0	249.7	223.0
01/05/2023 06:00 AM	0.0	197.0	249.7	223.0
01/05/2023 07:00 AM	0.0	197.0	249.8	223.0
01/05/2023 08:00 AM	0.0	197.0	249.8	223.0
01/05/2023 09:00 AM	183.8	197.0	249.8	223.0
01/05/2023 10:00 AM	204.8	197.0	249.9	223.0
01/05/2023 11:00 AM	204.9	197.0	249.9	223.0
01/05/2023 12:00 PM	205.0	197.0	250.0	223.0
01/05/2023 01:00 PM	205.1	197.0	250.0	223.0
01/05/2023 02:00 PM	205.1	197.0	250.1	223.0
01/05/2023 03:00 PM	13.7	197.9	250.1	223.0
01/05/2023 04:00 PM	0.0	197.4	250.1	223.0
01/05/2023 05:00 PM	0.0	197.2	250.0	223.0
01/05/2023 06:00 PM	0.0	197.2	250.0	223.0
01/05/2023 07:00 PM	0.0	197.1	249.9	223.0
01/05/2023 08:00 PM	0.0	197.1	249.9	223.0
01/05/2023 09:00 PM	0.0	197.1	249.9	223.0
01/05/2023 10:00 PM	0.0	197.1	249.9	223.0
01/05/2023 11:00 PM	0.0	197.1	249.9	223.0
01/06/2023 12:00 AM	0.0	197.1	249.9	223.0
01/06/2023 01:00 AM	0.0	197.1	249.8	223.0
01/06/2023 02:00 AM	0.0	197.2	249.9	223.0
01/06/2023 03:00 AM	0.0	197.2	249.9	223.0
01/06/2023 04:00 AM	0.0	197.2	249.8	223.0
01/06/2023 05:00 AM	0.0	197.2	249.8	223.0
01/06/2023 06:00 AM	0.0	197.2	249.8	223.0
01/06/2023 07:00 AM	0.0	197.1	249.8	223.0
01/06/2023 08:00 AM	0.0	197.1	249.8	223.0
01/06/2023 09:00 AM	0.0	197.1	249.9	223.0
01/06/2023 10:00 AM	0.0	197.1	249.9	223.0
01/06/2023 11:00 AM	0.0	197.1	249.8	223.0
01/06/2023 12:00 PM	0.0	197.1	249.8	223.0
01/06/2023 01:00 PM	0.0	197.0	249.8	223.0
01/06/2023 02:00 PM	0.0	197.0	249.7	223.0
01/06/2023 03:00 PM	0.0	197.0	249.7	223.0
01/06/2023 04:00 PM	0.0	197.0	249.7	223.0
01/06/2023 05:00 PM	0.0	197.0	249.7	223.0
01/06/2023 06:00 PM	0.0	197.0	249.7	223.0
01/06/2023 07:00 PM	0.0	197.0	249.7	223.0
01/06/2023 08:00 PM	0.0	197.0	249.7	223.0
01/06/2023 09:00 PM	0.0	197.0	249.8	223.0
01/06/2023 10:00 PM	0.0	197.0	249.8	223.0
01/06/2023 11:00 PM	0.0	197.0	249.8	223.0
01/07/2023 12:00 AM	0.0	197.0	249.8	223.0
01/07/2023 01:00 AM	0.0	197.0	249.8	223.0
01/07/2023 02:00 AM	0.0	197.0	249.8	223.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/07/2023 03:00 AM	0.0	197.0	249.8	223.0
01/07/2023 04:00 AM	0.0	197.0	249.7	223.0
01/07/2023 05:00 AM	0.0	197.0	249.7	223.0
01/07/2023 06:00 AM	0.0	197.0	249.7	223.0
01/07/2023 07:00 AM	0.0	197.0	249.7	223.0
01/07/2023 08:00 AM	0.0	197.0	249.7	223.0
01/07/2023 09:00 AM	0.0	197.0	249.7	223.0
01/07/2023 10:00 AM	0.0	197.0	249.7	223.0
01/07/2023 11:00 AM	0.0	197.0	249.7	223.0
01/07/2023 12:00 PM	0.0	197.0	249.7	223.0
01/07/2023 01:00 PM	0.0	196.9	249.7	223.0
01/07/2023 02:00 PM	0.0	196.9	249.7	223.0
01/07/2023 03:00 PM	0.0	196.9	249.6	223.0
01/07/2023 04:00 PM	0.0	196.9	249.6	223.0
01/07/2023 05:00 PM	0.0	196.9	249.6	223.0
01/07/2023 06:00 PM	0.0	196.9	249.6	223.0
01/07/2023 07:00 PM	0.0	196.9	249.6	223.0
01/07/2023 08:00 PM	0.0	196.9	249.6	223.0
01/07/2023 09:00 PM	0.0	196.9	249.7	223.0
01/07/2023 10:00 PM	0.0	196.9	249.7	223.0
01/07/2023 11:00 PM	0.0	196.9	249.7	223.0
01/08/2023 12:00 AM	0.0	196.9	249.7	223.0
01/08/2023 01:00 AM	0.0	196.9	249.7	223.0
01/08/2023 02:00 AM	0.0	196.9	249.7	223.0
01/08/2023 03:00 AM	0.0	196.9	249.7	223.0
01/08/2023 04:00 AM	0.0	196.9	249.7	223.0
01/08/2023 05:00 AM	0.0	196.9	249.7	223.0
01/08/2023 06:00 AM	0.0	196.9	249.6	223.0
01/08/2023 07:00 AM	0.0	196.9	249.6	223.0
01/08/2023 08:00 AM	0.0	196.9	249.6	223.0
01/08/2023 09:00 AM	0.0	196.9	249.6	223.0
01/08/2023 10:00 AM	0.0	196.9	249.7	223.0
01/08/2023 11:00 AM	0.0	196.8	249.6	223.0
01/08/2023 12:00 PM	0.0	196.8	249.7	223.0
01/08/2023 01:00 PM	0.0	196.8	249.6	223.0
01/08/2023 02:00 PM	0.0	196.8	249.6	223.0
01/08/2023 03:00 PM	0.0	196.8	249.6	223.0
01/08/2023 04:00 PM	0.0	196.8	249.5	223.0
01/08/2023 05:00 PM	0.0	196.8	249.5	223.0
01/08/2023 06:00 PM	0.0	196.8	249.5	223.0
01/08/2023 07:00 PM	0.0	196.8	249.5	223.0
01/08/2023 08:00 PM	0.0	196.8	249.5	223.0
01/08/2023 09:00 PM	0.0	196.8	249.6	223.0
01/08/2023 10:00 PM	0.0	196.8	249.6	223.0
01/08/2023 11:00 PM	0.0	196.8	249.6	223.0
01/09/2023 12:00 AM	0.0	196.8	249.6	223.0
01/09/2023 01:00 AM	0.0	196.8	249.6	223.0
01/09/2023 02:00 AM	0.0	196.8	249.6	223.0
01/09/2023 03:00 AM	0.0	196.8	249.6	223.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/09/2023 04:00 AM	0.0	196.8	249.6	223.0
01/09/2023 05:00 AM	0.0	196.8	249.5	223.0
01/09/2023 06:00 AM	0.0	196.8	249.5	223.0
01/09/2023 07:00 AM	0.0	196.8	249.5	223.0
01/09/2023 08:00 AM	0.0	196.8	249.6	223.0
01/09/2023 09:00 AM	0.0	196.8	249.7	223.0
01/09/2023 10:00 AM	0.0	196.8	249.6	223.0
01/09/2023 11:00 AM	0.0	196.8	249.6	223.0
01/09/2023 12:00 PM	0.0	196.8	249.6	223.0
01/09/2023 01:00 PM	0.0	196.8	249.6	223.0
01/09/2023 02:00 PM	0.0	196.8	249.6	223.0
01/09/2023 03:00 PM	0.0	196.8	249.5	223.0
01/09/2023 04:00 PM	0.0	196.8	249.6	223.0
01/09/2023 05:00 PM	0.0	196.8	249.6	223.0
01/09/2023 06:00 PM	0.0	196.8	249.6	223.0
01/09/2023 07:00 PM	0.0	196.8	249.5	223.0
01/09/2023 08:00 PM	0.0	196.8	249.5	223.0
01/09/2023 09:00 PM	0.0	196.8	249.5	223.0
01/09/2023 10:00 PM	0.0	196.8	249.6	223.0
01/09/2023 11:00 PM	0.0	196.9	249.6	223.0
01/10/2023 12:00 AM	0.0	196.9	249.6	223.0
01/10/2023 01:00 AM	0.0	196.9	249.6	223.0
01/10/2023 02:00 AM	0.0	196.9	249.6	223.0
01/10/2023 03:00 AM	0.0	196.9	249.6	223.0
01/10/2023 04:00 AM	0.0	196.9	249.6	223.0
01/10/2023 05:00 AM	0.0	196.9	249.5	223.0
01/10/2023 06:00 AM	0.0	196.8	249.5	223.0
01/10/2023 07:00 AM	0.0	196.8	249.5	223.0
01/10/2023 08:00 AM	0.0	196.8	249.5	223.0
01/10/2023 09:00 AM	193.9	196.8	249.5	223.0
01/10/2023 10:00 AM	204.7	196.8	249.7	223.0
01/10/2023 11:00 AM	204.9	196.8	249.7	223.0
01/10/2023 12:00 PM	205.0	196.8	249.8	223.0
01/10/2023 01:00 PM	205.1	196.8	249.8	223.0
01/10/2023 02:00 PM	205.1	196.8	249.8	223.0
01/10/2023 03:00 PM	17.1	197.9	249.9	223.0
01/10/2023 04:00 PM	0.0	197.4	249.8	223.0
01/10/2023 05:00 PM	0.0	197.2	249.8	223.0
01/10/2023 06:00 PM	0.0	197.2	249.7	223.0
01/10/2023 07:00 PM	0.0	197.1	249.7	223.0
01/10/2023 08:00 PM	0.0	197.1	249.7	223.0
01/10/2023 09:00 PM	0.0	197.1	249.7	223.0
01/10/2023 10:00 PM	0.0	197.1	249.7	223.0
01/10/2023 11:00 PM	0.0	197.1	249.7	223.0
01/11/2023 12:00 AM	0.0	197.1	249.7	223.0
01/11/2023 01:00 AM	0.0	197.1	249.7	223.0
01/11/2023 02:00 AM	0.0	197.0	249.7	223.0
01/11/2023 03:00 AM	0.0	197.0	249.6	223.0
01/11/2023 04:00 AM	0.0	197.0	249.6	223.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/11/2023 05:00 AM	0.0	197.0	249.6	223.0
01/11/2023 06:00 AM	0.0	197.0	249.5	223.0
01/11/2023 07:00 AM	0.0	197.0	249.5	223.0
01/11/2023 08:00 AM	0.0	197.0	87.4	276.3
01/11/2023 09:00 AM	0.0	196.9	0.0	411.5
01/11/2023 10:00 AM	0.0	196.7	0.0	411.5
01/11/2023 11:00 AM	0.0	196.6	0.0	411.5
01/11/2023 12:00 PM	0.0	196.5	0.0	411.5
01/11/2023 01:00 PM	0.0	196.4	0.0	411.5
01/11/2023 02:00 PM	0.0	196.4	0.0	411.5
01/11/2023 03:00 PM	0.0	196.3	0.0	411.5
01/11/2023 04:00 PM	0.0	196.3	0.0	411.5
01/11/2023 05:00 PM	0.0	196.3	0.0	411.5
01/11/2023 06:00 PM	0.0	196.2	0.0	411.5
01/11/2023 07:00 PM	0.0	196.2	0.0	411.5
01/11/2023 08:00 PM	0.0	196.2	0.0	411.5
01/11/2023 09:00 PM	0.0	196.2	0.0	411.5
01/11/2023 10:00 PM	0.0	196.2	0.0	411.5
01/11/2023 11:00 PM	0.0	196.2	0.0	411.5
01/12/2023 12:00 AM	0.0	196.2	0.0	411.5
01/12/2023 01:00 AM	0.0	196.3	0.0	411.5
01/12/2023 02:00 AM	0.0	196.3	0.0	411.5
01/12/2023 03:00 AM	0.0	196.3	0.0	411.5
01/12/2023 04:00 AM	0.0	196.4	0.0	411.5
01/12/2023 05:00 AM	0.0	196.3	0.0	411.5
01/12/2023 06:00 AM	0.0	196.3	0.0	411.5
01/12/2023 07:00 AM	0.0	196.3	0.0	411.5
01/12/2023 08:00 AM	0.0	196.3	0.0	411.5
01/12/2023 09:00 AM	189.8	196.3	0.0	411.5
01/12/2023 10:00 AM	204.2	196.3	0.0	411.5
01/12/2023 11:00 AM	204.3	196.3	0.0	411.5
01/12/2023 12:00 PM	204.4	196.3	0.0	411.5
01/12/2023 01:00 PM	204.5	196.3	0.0	411.5
01/12/2023 02:00 PM	204.5	196.3	0.0	411.5
01/12/2023 03:00 PM	13.6	197.2	0.0	411.5
01/12/2023 04:00 PM	0.0	196.7	0.0	411.5
01/12/2023 05:00 PM	0.0	196.6	0.0	411.5
01/12/2023 06:00 PM	0.0	196.5	0.0	411.5
01/12/2023 07:00 PM	0.0	196.4	0.0	411.5
01/12/2023 08:00 PM	0.0	196.4	0.0	411.5
01/12/2023 09:00 PM	0.0	196.4	0.0	411.5
01/12/2023 10:00 PM	0.0	196.3	0.0	411.5
01/12/2023 11:00 PM	0.0	196.3	0.0	411.5
01/13/2023 12:00 AM	0.0	196.3	0.0	411.5
01/13/2023 01:00 AM	0.0	196.4	0.0	411.5
01/13/2023 02:00 AM	0.0	196.4	0.0	411.5
01/13/2023 03:00 AM	0.0	196.5	0.0	411.5
01/13/2023 04:00 AM	0.0	196.5	0.0	411.5
01/13/2023 05:00 AM	0.0	196.4	0.0	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/13/2023 06:00 AM	0.0	196.4	0.0	411.5
01/13/2023 07:00 AM	0.0	196.4	0.0	411.5
01/13/2023 08:00 AM	0.0	196.3	0.0	411.5
01/13/2023 09:00 AM	0.0	196.3	0.0	411.5
01/13/2023 10:00 AM	0.0	196.3	0.0	411.5
01/13/2023 11:00 AM	0.0	196.2	0.0	411.5
01/13/2023 12:00 PM	0.0	196.2	0.0	411.5
01/13/2023 01:00 PM	0.0	196.1	0.0	411.5
01/13/2023 02:00 PM	0.0	196.1	0.0	411.5
01/13/2023 03:00 PM	0.0	196.0	0.0	411.5
01/13/2023 04:00 PM	0.0	196.0	0.0	411.5
01/13/2023 05:00 PM	0.0	196.0	0.0	411.5
01/13/2023 06:00 PM	0.0	196.0	0.0	411.5
01/13/2023 07:00 PM	0.0	195.9	0.0	411.5
01/13/2023 08:00 PM	0.0	195.9	0.0	411.5
01/13/2023 09:00 PM	0.0	195.9	0.0	411.5
01/13/2023 10:00 PM	0.0	195.8	0.0	411.5
01/13/2023 11:00 PM	0.0	195.8	0.0	411.5
01/14/2023 12:00 AM	0.0	195.8	0.0	411.5
01/14/2023 01:00 AM	0.0	195.8	0.0	411.5
01/14/2023 02:00 AM	0.0	195.7	0.0	411.5
01/14/2023 03:00 AM	0.0	195.7	0.0	411.5
01/14/2023 04:00 AM	0.0	195.7	0.0	411.5
01/14/2023 05:00 AM	0.0	195.7	0.0	411.5
01/14/2023 06:00 AM	0.0	195.7	0.0	411.5
01/14/2023 07:00 AM	0.0	195.6	0.0	411.5
01/14/2023 08:00 AM	0.0	195.6	0.0	411.5
01/14/2023 09:00 AM	0.0	195.6	0.0	411.5
01/14/2023 10:00 AM	0.0	195.6	0.0	411.5
01/14/2023 11:00 AM	0.0	195.5	0.0	411.5
01/14/2023 12:00 PM	0.0	195.5	0.0	411.5
01/14/2023 01:00 PM	0.0	195.5	0.0	411.5
01/14/2023 02:00 PM	0.0	195.4	0.0	411.5
01/14/2023 03:00 PM	0.0	195.4	0.0	411.5
01/14/2023 04:00 PM	0.0	195.4	0.0	411.5
01/14/2023 05:00 PM	0.0	195.4	0.0	411.5
01/14/2023 06:00 PM	0.0	195.4	0.0	411.5
01/14/2023 07:00 PM	0.0	195.3	0.0	411.5
01/14/2023 08:00 PM	0.0	195.3	0.0	411.5
01/14/2023 09:00 PM	0.0	195.3	0.0	411.5
01/14/2023 10:00 PM	0.0	195.3	0.0	411.5
01/14/2023 11:00 PM	0.0	195.3	0.0	411.5
01/15/2023 12:00 AM	0.0	195.2	0.0	411.5
01/15/2023 01:00 AM	0.0	195.2	0.0	411.5
01/15/2023 02:00 AM	0.0	195.2	0.0	411.5
01/15/2023 03:00 AM	0.0	195.2	0.0	411.5
01/15/2023 04:00 AM	0.0	195.2	0.0	411.5
01/15/2023 05:00 AM	0.0	195.1	0.0	411.5
01/15/2023 06:00 AM	0.0	195.1	0.0	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/15/2023 07:00 AM	0.0	195.1	0.0	411.5
01/15/2023 08:00 AM	0.0	195.1	0.0	411.5
01/15/2023 09:00 AM	0.0	195.1	0.0	411.5
01/15/2023 10:00 AM	0.0	195.1	0.0	411.5
01/15/2023 11:00 AM	0.0	195.1	0.0	411.5
01/15/2023 12:00 PM	0.0	195.0	0.0	411.5
01/15/2023 01:00 PM	0.0	195.0	0.0	411.5
01/15/2023 02:00 PM	0.0	195.0	0.0	411.5
01/15/2023 03:00 PM	0.0	195.0	0.0	411.5
01/15/2023 04:00 PM	0.0	195.0	0.0	411.5
01/15/2023 05:00 PM	0.0	195.0	0.0	411.5
01/15/2023 06:00 PM	0.0	195.0	0.0	411.5
01/15/2023 07:00 PM	0.0	195.0	0.0	411.5
01/15/2023 08:00 PM	0.0	195.0	0.0	411.5
01/15/2023 09:00 PM	0.0	195.0	0.0	411.5
01/15/2023 10:00 PM	0.0	195.0	0.0	411.5
01/15/2023 11:00 PM	0.0	195.0	0.0	411.5
01/16/2023 12:00 AM	0.0	194.9	0.0	411.5
01/16/2023 01:00 AM	0.0	194.9	0.0	411.5
01/16/2023 02:00 AM	0.0	194.9	0.0	411.5
01/16/2023 03:00 AM	0.0	194.9	0.0	411.5
01/16/2023 04:00 AM	0.0	194.9	0.0	411.5
01/16/2023 05:00 AM	0.0	194.9	0.0	411.5
01/16/2023 06:00 AM	0.0	194.9	0.0	411.5
01/16/2023 07:00 AM	0.0	194.9	0.0	411.5
01/16/2023 08:00 AM	0.0	194.9	0.0	411.5
01/16/2023 09:00 AM	0.0	194.9	0.0	411.5
01/16/2023 10:00 AM	0.0	194.9	0.0	411.5
01/16/2023 11:00 AM	0.0	194.9	0.0	411.5
01/16/2023 12:00 PM	0.0	194.9	0.0	411.5
01/16/2023 01:00 PM	0.0	194.9	0.0	411.5
01/16/2023 02:00 PM	0.0	194.9	0.0	411.5
01/16/2023 03:00 PM	0.0	194.9	0.0	411.5
01/16/2023 04:00 PM	0.0	194.9	0.0	411.5
01/16/2023 05:00 PM	0.0	194.9	0.0	411.5
01/16/2023 06:00 PM	0.0	194.9	0.0	411.5
01/16/2023 07:00 PM	0.0	194.9	0.0	411.5
01/16/2023 08:00 PM	0.0	194.9	0.0	411.5
01/16/2023 09:00 PM	0.0	194.9	0.0	411.5
01/16/2023 10:00 PM	0.0	194.9	0.0	411.5
01/16/2023 11:00 PM	0.0	194.8	0.0	411.5
01/17/2023 12:00 AM	0.0	194.8	0.0	411.5
01/17/2023 01:00 AM	0.0	194.8	0.0	411.5
01/17/2023 02:00 AM	0.0	194.8	0.0	411.5
01/17/2023 03:00 AM	0.0	194.8	0.0	411.5
01/17/2023 04:00 AM	0.0	194.8	0.0	411.5
01/17/2023 05:00 AM	0.0	194.7	0.0	411.5
01/17/2023 06:00 AM	0.0	194.7	0.0	411.5
01/17/2023 07:00 AM	0.0	194.7	0.0	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/17/2023 08:00 AM	0.0	194.7	0.0	411.5
01/17/2023 09:00 AM	191.9	194.7	0.0	411.5
01/17/2023 10:00 AM	202.6	194.7	0.0	411.5
01/17/2023 11:00 AM	202.8	194.7	0.0	411.5
01/17/2023 12:00 PM	202.9	194.7	0.0	411.5
01/17/2023 01:00 PM	202.9	194.7	0.0	411.5
01/17/2023 02:00 PM	203.0	194.7	0.0	411.5
01/17/2023 03:00 PM	10.2	195.7	0.0	411.5
01/17/2023 04:00 PM	0.0	195.2	0.0	411.5
01/17/2023 05:00 PM	0.0	195.0	0.0	411.5
01/17/2023 06:00 PM	0.0	195.0	0.0	411.5
01/17/2023 07:00 PM	0.0	194.9	0.0	411.5
01/17/2023 08:00 PM	0.0	194.9	0.0	411.5
01/17/2023 09:00 PM	0.0	194.9	0.0	411.5
01/17/2023 10:00 PM	0.0	194.9	0.0	411.5
01/17/2023 11:00 PM	0.0	194.9	0.0	411.5
01/18/2023 12:00 AM	0.0	194.8	0.0	411.5
01/18/2023 01:00 AM	0.0	194.8	0.0	411.5
01/18/2023 02:00 AM	0.0	194.8	0.0	411.5
01/18/2023 03:00 AM	0.0	194.8	0.0	411.5
01/18/2023 04:00 AM	0.0	194.8	0.0	411.5
01/18/2023 05:00 AM	0.0	194.8	0.0	411.5
01/18/2023 06:00 AM	0.0	194.8	0.0	411.5
01/18/2023 07:00 AM	0.0	194.8	0.0	411.5
01/18/2023 08:00 AM	0.0	194.8	0.0	411.5
01/18/2023 09:00 AM				
01/18/2023 10:00 AM	0.0	194.8	0.0	411.5
01/18/2023 11:00 AM	0.0	194.8	0.0	411.5
01/18/2023 12:00 PM	0.0	194.8	0.0	411.5
01/18/2023 01:00 PM	0.0	194.8	0.0	411.5
01/18/2023 02:00 PM	0.0	194.8	0.0	411.5
01/18/2023 03:00 PM	0.0	194.8	0.0	411.5
01/18/2023 04:00 PM	0.0	194.8	0.0	411.5
01/18/2023 05:00 PM	0.0	194.8	0.0	411.5
01/18/2023 06:00 PM	0.0	194.8	0.0	411.5
01/18/2023 07:00 PM	0.0	194.8	0.0	411.5
01/18/2023 08:00 PM	0.0	194.8	0.0	411.5
01/18/2023 09:00 PM	0.0	194.9	0.0	411.5
01/18/2023 10:00 PM	0.0	194.9	0.0	411.5
01/18/2023 11:00 PM	0.0	194.9	0.0	411.5
01/19/2023 12:00 AM				
01/19/2023 01:00 AM				
01/19/2023 02:00 AM				
01/19/2023 03:00 AM				
01/19/2023 04:00 AM				
01/19/2023 05:00 AM				
01/19/2023 06:00 AM				
01/19/2023 07:00 AM				
01/19/2023 08:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/19/2023 09:00 AM				
01/19/2023 10:00 AM	202.8	194.9	0.0	411.5
01/19/2023 11:00 AM	202.9	194.9	0.0	411.5
01/19/2023 12:00 PM	203.0	194.9	0.0	411.5
01/19/2023 01:00 PM	203.1	194.9	0.0	411.5
01/19/2023 02:00 PM	203.1	194.9	0.0	411.5
01/19/2023 03:00 PM	10.2	195.8	0.0	411.5
01/19/2023 04:00 PM	0.0	195.3	0.0	411.5
01/19/2023 05:00 PM	0.0	195.1	0.0	411.5
01/19/2023 06:00 PM	0.0	195.1	0.0	411.5
01/19/2023 07:00 PM	0.0	195.0	0.0	411.5
01/19/2023 08:00 PM	0.0	195.0	0.0	411.5
01/19/2023 09:00 PM	0.0	195.0	0.0	411.5
01/19/2023 10:00 PM	0.0	195.0	0.0	411.5
01/19/2023 11:00 PM	0.0	195.0	0.0	411.5
01/20/2023 12:00 AM				
01/20/2023 01:00 AM				
01/20/2023 02:00 AM				
01/20/2023 03:00 AM				
01/20/2023 04:00 AM				
01/20/2023 05:00 AM				
01/20/2023 06:00 AM				
01/20/2023 07:00 AM				
01/20/2023 08:00 AM				
01/20/2023 09:00 AM				
01/20/2023 10:00 AM	0.0	195.0	0.0	411.5
01/20/2023 11:00 AM	0.0	195.0	0.0	411.5
01/20/2023 12:00 PM	0.0	195.0	0.0	411.5
01/20/2023 01:00 PM	0.0	194.9	0.0	411.5
01/20/2023 02:00 PM	0.0	194.9	0.0	411.5
01/20/2023 03:00 PM	0.0	194.9	0.0	411.5
01/20/2023 04:00 PM	0.0	194.9	0.0	411.5
01/20/2023 05:00 PM	0.0	194.9	0.0	411.5
01/20/2023 06:00 PM	0.0	194.9	0.0	411.5
01/20/2023 07:00 PM	0.0	195.0	0.0	411.5
01/20/2023 08:00 PM	0.0	195.0	0.0	411.5
01/20/2023 09:00 PM	0.0	195.0	0.0	411.5
01/20/2023 10:00 PM	0.0	195.0	0.0	411.5
01/20/2023 11:00 PM	0.0	195.0	0.0	411.5
01/21/2023 12:00 AM				
01/21/2023 01:00 AM				
01/21/2023 02:00 AM				
01/21/2023 03:00 AM				
01/21/2023 04:00 AM				
01/21/2023 05:00 AM				
01/21/2023 06:00 AM				
01/21/2023 07:00 AM				
01/21/2023 08:00 AM				
01/21/2023 09:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/21/2023 10:00 AM	0.0	195.1	0.0	411.5
01/21/2023 11:00 AM	0.0	195.1	0.0	411.5
01/21/2023 12:00 PM	0.0	195.1	0.0	411.5
01/21/2023 01:00 PM	0.0	195.1	0.0	411.5
01/21/2023 02:00 PM	0.0	195.1	0.0	411.5
01/21/2023 03:00 PM	0.0	195.0	0.0	411.5
01/21/2023 04:00 PM	0.0	195.0	0.0	411.5
01/21/2023 05:00 PM	0.0	195.0	0.0	411.5
01/21/2023 06:00 PM	0.0	195.0	0.0	411.5
01/21/2023 07:00 PM	0.0	195.0	0.0	411.5
01/21/2023 08:00 PM	0.0	195.0	0.0	411.5
01/21/2023 09:00 PM	0.0	195.1	0.0	411.5
01/21/2023 10:00 PM	0.0	195.1	0.0	411.5
01/21/2023 11:00 PM	0.0	195.1	0.0	411.5
01/22/2023 12:00 AM				
01/22/2023 01:00 AM				
01/22/2023 02:00 AM				
01/22/2023 03:00 AM				
01/22/2023 04:00 AM				
01/22/2023 05:00 AM				
01/22/2023 06:00 AM				
01/22/2023 07:00 AM				
01/22/2023 08:00 AM				
01/22/2023 09:00 AM				
01/22/2023 10:00 AM	0.0	195.0	0.0	411.5
01/22/2023 11:00 AM	0.0	194.9	0.0	411.5
01/22/2023 12:00 PM	0.0	194.9	0.0	411.5
01/22/2023 01:00 PM	0.0	194.9	0.0	411.5
01/22/2023 02:00 PM	0.0	194.9	0.0	411.5
01/22/2023 03:00 PM	0.0	194.8	0.0	411.5
01/22/2023 04:00 PM	0.0	194.8	0.0	411.5
01/22/2023 05:00 PM	0.0	194.8	0.0	411.5
01/22/2023 06:00 PM	0.0	194.8	0.0	411.5
01/22/2023 07:00 PM	0.0	194.8	0.0	411.5
01/22/2023 08:00 PM	0.0	194.8	0.0	411.5
01/22/2023 09:00 PM	0.0	194.8	0.0	411.5
01/22/2023 10:00 PM	0.0	194.8	0.0	411.5
01/22/2023 11:00 PM	0.0	194.7	0.0	411.5
01/23/2023 12:00 AM				
01/23/2023 01:00 AM				
01/23/2023 02:00 AM				
01/23/2023 03:00 AM				
01/23/2023 04:00 AM				
01/23/2023 05:00 AM				
01/23/2023 06:00 AM				
01/23/2023 07:00 AM				
01/23/2023 08:00 AM				
01/23/2023 09:00 AM				
01/23/2023 10:00 AM	0.0	194.6	0.0	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/23/2023 11:00 AM	0.0	194.6	0.0	411.5
01/23/2023 12:00 PM	0.0	194.6	0.0	411.5
01/23/2023 01:00 PM	0.0	194.6	0.0	411.5
01/23/2023 02:00 PM	0.0	194.6	0.0	411.5
01/23/2023 03:00 PM	0.0	194.6	0.0	411.5
01/23/2023 04:00 PM	0.0	194.6	0.0	411.5
01/23/2023 05:00 PM	0.0	194.6	0.0	411.5
01/23/2023 06:00 PM	0.0	194.6	0.0	411.5
01/23/2023 07:00 PM	0.0	194.6	0.0	411.5
01/23/2023 08:00 PM	0.0	194.6	0.0	411.5
01/23/2023 09:00 PM	0.0	194.6	0.0	411.5
01/23/2023 10:00 PM	0.0	194.6	0.0	411.5
01/23/2023 11:00 PM	0.0	194.6	0.0	411.5
01/24/2023 12:00 AM				
01/24/2023 01:00 AM				
01/24/2023 02:00 AM				
01/24/2023 03:00 AM				
01/24/2023 04:00 AM				
01/24/2023 05:00 AM				
01/24/2023 06:00 AM				
01/24/2023 07:00 AM				
01/24/2023 08:00 AM				
01/24/2023 09:00 AM				
01/24/2023 10:00 AM	202.5	194.6	0.0	411.5
01/24/2023 11:00 AM	202.7	194.6	0.0	411.5
01/24/2023 12:00 PM	202.8	194.6	0.0	411.5
01/24/2023 01:00 PM	202.9	194.6	226.3	411.5
01/24/2023 02:00 PM	203.2	194.6	411.5	411.5
01/24/2023 03:00 PM	10.2	196.2	411.5	411.5
01/24/2023 04:00 PM	0.0	195.9	82.3	411.5
01/24/2023 05:00 PM	0.0	195.6	0.0	411.5
01/24/2023 06:00 PM	0.0	195.3	0.0	411.5
01/24/2023 07:00 PM	0.0	195.2	0.0	411.5
01/24/2023 08:00 PM	0.0	195.1	0.0	411.5
01/24/2023 09:00 PM	0.0	195.0	0.0	411.5
01/24/2023 10:00 PM	0.0	195.0	0.0	411.5
01/24/2023 11:00 PM	0.0	194.9	0.0	411.5
01/25/2023 12:00 AM				
01/25/2023 01:00 AM				
01/25/2023 02:00 AM				
01/25/2023 03:00 AM				
01/25/2023 04:00 AM				
01/25/2023 05:00 AM				
01/25/2023 06:00 AM				
01/25/2023 07:00 AM				
01/25/2023 08:00 AM				
01/25/2023 09:00 AM				
01/25/2023 10:00 AM	0.0	195.7	411.5	411.5
01/25/2023 11:00 AM	0.0	195.7	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/25/2023 12:00 PM	0.0	195.8	411.5	411.5
01/25/2023 01:00 PM	0.0	195.8	411.5	411.5
01/25/2023 02:00 PM	0.0	195.9	411.5	411.5
01/25/2023 03:00 PM	0.0	195.9	68.6	411.5
01/25/2023 04:00 PM	0.0	195.7	0.0	411.5
01/25/2023 05:00 PM	0.0	195.5	0.0	411.5
01/25/2023 06:00 PM	0.0	195.3	0.0	411.5
01/25/2023 07:00 PM	0.0	195.2	0.0	411.5
01/25/2023 08:00 PM	0.0	195.1	0.0	411.5
01/25/2023 09:00 PM	0.0	195.1	0.0	411.5
01/25/2023 10:00 PM	0.0	195.0	0.0	411.5
01/25/2023 11:00 PM	0.0	195.0	0.0	411.5
01/26/2023 12:00 AM				
01/26/2023 01:00 AM				
01/26/2023 02:00 AM				
01/26/2023 03:00 AM				
01/26/2023 04:00 AM				
01/26/2023 05:00 AM				
01/26/2023 06:00 AM				
01/26/2023 07:00 AM				
01/26/2023 08:00 AM				
01/26/2023 09:00 AM				
01/26/2023 10:00 AM	202.7	194.9	0.0	411.5
01/26/2023 11:00 AM	202.9	194.9	0.0	411.5
01/26/2023 12:00 PM	202.9	194.9	0.0	411.5
01/26/2023 01:00 PM	203.0	194.9	0.0	411.5
01/26/2023 02:00 PM	203.0	194.9	0.0	411.5
01/26/2023 03:00 PM	10.2	195.8	0.0	411.5
01/26/2023 04:00 PM	0.0	195.2	0.0	411.5
01/26/2023 05:00 PM	0.0	195.1	0.0	411.5
01/26/2023 06:00 PM	0.0	195.0	0.0	411.5
01/26/2023 07:00 PM	0.0	194.9	0.0	411.5
01/26/2023 08:00 PM	0.0	194.9	0.0	411.5
01/26/2023 09:00 PM	0.0	194.8	0.0	411.5
01/26/2023 10:00 PM	0.0	194.8	0.0	411.5
01/26/2023 11:00 PM	0.0	194.8	0.0	411.5
01/27/2023 12:00 AM				
01/27/2023 01:00 AM				
01/27/2023 02:00 AM				
01/27/2023 03:00 AM				
01/27/2023 04:00 AM				
01/27/2023 05:00 AM				
01/27/2023 06:00 AM				
01/27/2023 07:00 AM				
01/27/2023 08:00 AM				
01/27/2023 09:00 AM				
01/27/2023 10:00 AM	0.0	195.3	411.5	411.5
01/27/2023 11:00 AM	0.0	195.5	411.5	411.5
01/27/2023 12:00 PM	0.0	195.6	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/27/2023 01:00 PM	0.0	195.7	411.5	411.5
01/27/2023 02:00 PM	0.0	195.7	0.0	411.5
01/27/2023 03:00 PM	0.0	195.4	0.0	411.5
01/27/2023 04:00 PM	0.0	195.2	0.0	411.5
01/27/2023 05:00 PM	0.0	195.1	0.0	411.5
01/27/2023 06:00 PM	0.0	195.0	0.0	411.5
01/27/2023 07:00 PM	0.0	194.9	0.0	411.5
01/27/2023 08:00 PM	0.0	194.8	0.0	411.5
01/27/2023 09:00 PM	0.0	194.7	0.0	411.5
01/27/2023 10:00 PM	0.0	194.7	0.0	411.5
01/27/2023 11:00 PM	0.0	194.6	0.0	411.5
01/28/2023 12:00 AM				
01/28/2023 01:00 AM				
01/28/2023 02:00 AM				
01/28/2023 03:00 AM				
01/28/2023 04:00 AM				
01/28/2023 05:00 AM				
01/28/2023 06:00 AM				
01/28/2023 07:00 AM				
01/28/2023 08:00 AM				
01/28/2023 09:00 AM				
01/28/2023 10:00 AM	0.0	194.5	0.0	411.5
01/28/2023 11:00 AM	0.0	194.4	0.0	411.5
01/28/2023 12:00 PM	0.0	194.4	0.0	411.5
01/28/2023 01:00 PM	0.0	194.4	0.0	411.5
01/28/2023 02:00 PM	0.0	194.4	0.0	411.5
01/28/2023 03:00 PM	0.0	194.4	0.0	411.5
01/28/2023 04:00 PM	0.0	194.4	0.0	411.5
01/28/2023 05:00 PM	0.0	194.4	0.0	411.5
01/28/2023 06:00 PM	0.0	194.4	0.0	411.5
01/28/2023 07:00 PM	0.0	194.4	0.0	411.5
01/28/2023 08:00 PM	0.0	194.4	0.0	411.5
01/28/2023 09:00 PM	0.0	194.4	0.0	411.5
01/28/2023 10:00 PM	0.0	194.4	0.0	411.5
01/28/2023 11:00 PM	0.0	194.4	0.0	411.5
01/29/2023 12:00 AM				
01/29/2023 01:00 AM				
01/29/2023 02:00 AM				
01/29/2023 03:00 AM				
01/29/2023 04:00 AM				
01/29/2023 05:00 AM				
01/29/2023 06:00 AM				
01/29/2023 07:00 AM				
01/29/2023 08:00 AM				
01/29/2023 09:00 AM				
01/29/2023 10:00 AM	0.0	194.3	0.0	411.5
01/29/2023 11:00 AM	0.0	194.3	0.0	411.5
01/29/2023 12:00 PM	0.0	194.3	0.0	411.5
01/29/2023 01:00 PM	0.0	194.3	0.0	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/29/2023 02:00 PM	0.0	194.3	0.0	411.5
01/29/2023 03:00 PM	0.0	194.3	0.0	411.5
01/29/2023 04:00 PM	0.0	194.3	0.0	411.5
01/29/2023 05:00 PM	0.0	194.3	0.0	411.5
01/29/2023 06:00 PM	0.0	194.3	0.0	411.5
01/29/2023 07:00 PM	0.0	194.3	0.0	411.5
01/29/2023 08:00 PM	0.0	194.3	0.0	411.5
01/29/2023 09:00 PM	0.0	194.3	0.0	411.5
01/29/2023 10:00 PM	0.0	194.3	0.0	411.5
01/29/2023 11:00 PM	0.0	194.3	0.0	411.5
01/30/2023 12:00 AM				
01/30/2023 01:00 AM				
01/30/2023 02:00 AM				
01/30/2023 03:00 AM				
01/30/2023 04:00 AM				
01/30/2023 05:00 AM				
01/30/2023 06:00 AM				
01/30/2023 07:00 AM				
01/30/2023 08:00 AM				
01/30/2023 09:00 AM				
01/30/2023 10:00 AM	0.0	194.3	0.0	411.5
01/30/2023 11:00 AM	0.0	194.3	0.0	411.5
01/30/2023 12:00 PM	0.0	194.3	0.0	411.5
01/30/2023 01:00 PM	0.0	194.3	0.0	411.5
01/30/2023 02:00 PM	0.0	194.2	0.0	411.5
01/30/2023 03:00 PM	0.0	194.2	0.0	411.5
01/30/2023 04:00 PM	0.0	194.2	0.0	411.5
01/30/2023 05:00 PM	0.0	194.2	0.0	411.5
01/30/2023 06:00 PM	0.0	194.3	0.0	411.5
01/30/2023 07:00 PM	0.0	194.3	0.0	411.5
01/30/2023 08:00 PM	0.0	194.3	0.0	411.5
01/30/2023 09:00 PM	0.0	194.3	0.0	411.5
01/30/2023 10:00 PM	0.0	194.3	0.0	411.5
01/30/2023 11:00 PM	0.0	194.3	0.0	411.5
01/31/2023 12:00 AM				
01/31/2023 01:00 AM				
01/31/2023 02:00 AM				
01/31/2023 03:00 AM				
01/31/2023 04:00 AM				
01/31/2023 05:00 AM				
01/31/2023 06:00 AM				
01/31/2023 07:00 AM				
01/31/2023 08:00 AM				
01/31/2023 09:00 AM				
01/31/2023 10:00 AM	202.2	194.3	0.0	411.5
01/31/2023 11:00 AM	202.4	194.3	130.3	411.5
01/31/2023 12:00 PM	202.6	194.3	411.5	411.5
01/31/2023 01:00 PM	203.0	194.3	411.5	411.5
01/31/2023 02:00 PM	203.3	194.3	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
January 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
01/31/2023 03:00 PM	30.5	195.9	411.5	411.5
01/31/2023 04:00 PM	0.0	195.8	411.5	411.5
01/31/2023 05:00 PM	0.0	195.8	411.5	411.5
01/31/2023 06:00 PM	0.0	195.8	411.5	411.5
01/31/2023 07:00 PM	0.0	195.9	411.5	411.5
01/31/2023 08:00 PM	0.0	195.9	411.5	411.5
01/31/2023 09:00 PM	0.0	196.0	411.5	411.5
01/31/2023 10:00 PM	0.0	196.0	411.5	411.5
01/31/2023 11:00 PM	0.0	196.1	411.5	411.5

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/01/2023 12:00 AM	0.0	0.0	0.0
01/01/2023 01:00 AM	0.0	0.0	0.0
01/01/2023 02:00 AM	0.0	0.0	0.0
01/01/2023 03:00 AM	0.0	0.0	0.0
01/01/2023 04:00 AM	0.0	0.0	0.0
01/01/2023 05:00 AM	0.0	0.0	0.0
01/01/2023 06:00 AM	0.0	0.0	0.0
01/01/2023 07:00 AM	0.0	0.0	0.0
01/01/2023 08:00 AM	0.0	0.0	0.0
01/01/2023 09:00 AM	0.0	0.0	0.0
01/01/2023 10:00 AM	0.0	0.0	0.0
01/01/2023 11:00 AM	0.0	0.0	0.0
01/01/2023 12:00 PM	0.0	0.0	0.0
01/01/2023 01:00 PM	0.0	0.0	0.0
01/01/2023 02:00 PM	0.0	0.0	0.0
01/01/2023 03:00 PM	0.0	0.0	0.0
01/01/2023 04:00 PM	0.0	0.0	0.0
01/01/2023 05:00 PM	0.0	0.0	0.0
01/01/2023 06:00 PM	0.0	0.0	0.0
01/01/2023 07:00 PM	0.0	0.0	0.0
01/01/2023 08:00 PM	0.0	0.0	0.0
01/01/2023 09:00 PM	0.0	0.0	0.0
01/01/2023 10:00 PM	0.0	0.0	0.0
01/01/2023 11:00 PM	0.0	0.0	0.0
01/02/2023 12:00 AM	0.0	0.0	0.0
01/02/2023 01:00 AM	0.0	0.0	0.0
01/02/2023 02:00 AM	0.0	0.0	0.0
01/02/2023 03:00 AM	0.0	0.0	0.0
01/02/2023 04:00 AM	0.0	0.0	0.0
01/02/2023 05:00 AM	0.0	0.0	0.0
01/02/2023 06:00 AM	0.0	0.0	0.0
01/02/2023 07:00 AM	0.0	0.0	0.0
01/02/2023 08:00 AM	0.0	0.0	0.0
01/02/2023 09:00 AM	0.0	0.0	0.0
01/02/2023 10:00 AM	0.0	0.0	0.0
01/02/2023 11:00 AM	0.0	0.0	0.0
01/02/2023 12:00 PM	0.0	0.0	0.0
01/02/2023 01:00 PM	0.0	0.0	0.0
01/02/2023 02:00 PM	0.0	0.0	0.0
01/02/2023 03:00 PM	0.0	0.0	0.0
01/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/02/2023 05:00 PM	0.0	0.0	0.0
01/02/2023 06:00 PM	0.0	0.0	0.0
01/02/2023 07:00 PM	0.0	0.0	0.0
01/02/2023 08:00 PM	0.0	0.0	0.0
01/02/2023 09:00 PM	0.0	0.0	0.0
01/02/2023 10:00 PM	0.0	0.0	0.0
01/02/2023 11:00 PM	0.0	0.0	0.0
01/03/2023 12:00 AM	0.0	0.0	0.0
01/03/2023 01:00 AM	0.0	0.0	0.0
01/03/2023 02:00 AM	0.0	0.0	0.0
01/03/2023 03:00 AM	0.0	0.0	0.0
01/03/2023 04:00 AM	0.0	0.0	0.0
01/03/2023 05:00 AM	0.0	0.0	0.0
01/03/2023 06:00 AM	0.0	0.0	0.0
01/03/2023 07:00 AM	0.0	0.0	0.0
01/03/2023 08:00 AM	0.0	0.0	0.0
01/03/2023 09:00 AM	1,936.4	0.0	1,814.4
01/03/2023 10:00 AM	1,940.7	1,850.8	1,911.3
01/03/2023 11:00 AM	1,853.1	1,825.0	1,831.9
01/03/2023 12:00 PM	1,825.0	1,784.2	1,802.1
01/03/2023 01:00 PM	1,785.8	1,730.5	1,760.2
01/03/2023 02:00 PM	1,730.5	1,673.0	1,705.8
01/03/2023 03:00 PM	1,674.5	0.0	167.2
01/03/2023 04:00 PM	0.0	0.0	0.0
01/03/2023 05:00 PM	0.0	0.0	0.0
01/03/2023 06:00 PM	0.0	0.0	0.0
01/03/2023 07:00 PM	0.0	0.0	0.0
01/03/2023 08:00 PM	0.0	0.0	0.0
01/03/2023 09:00 PM	0.0	0.0	0.0
01/03/2023 10:00 PM	0.0	0.0	0.0
01/03/2023 11:00 PM	0.0	0.0	0.0
01/04/2023 12:00 AM	0.0	0.0	0.0
01/04/2023 01:00 AM	0.0	0.0	0.0
01/04/2023 02:00 AM	0.0	0.0	0.0
01/04/2023 03:00 AM	0.0	0.0	0.0
01/04/2023 04:00 AM	0.0	0.0	0.0
01/04/2023 05:00 AM	0.0	0.0	0.0
01/04/2023 06:00 AM	0.0	0.0	0.0
01/04/2023 07:00 AM	0.0	0.0	0.0
01/04/2023 08:00 AM	0.0	0.0	0.0
01/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/04/2023 10:00 AM	0.0	0.0	0.0
01/04/2023 11:00 AM	0.0	0.0	0.0
01/04/2023 12:00 PM	0.0	0.0	0.0
01/04/2023 01:00 PM	0.0	0.0	0.0
01/04/2023 02:00 PM	0.0	0.0	0.0
01/04/2023 03:00 PM	0.0	0.0	0.0
01/04/2023 04:00 PM	0.0	0.0	0.0
01/04/2023 05:00 PM	0.0	0.0	0.0
01/04/2023 06:00 PM	0.0	0.0	0.0
01/04/2023 07:00 PM	0.0	0.0	0.0
01/04/2023 08:00 PM	0.0	0.0	0.0
01/04/2023 09:00 PM	0.0	0.0	0.0
01/04/2023 10:00 PM	0.0	0.0	0.0
01/04/2023 11:00 PM	0.0	0.0	0.0
01/05/2023 12:00 AM	0.0	0.0	0.0
01/05/2023 01:00 AM	0.0	0.0	0.0
01/05/2023 02:00 AM	0.0	0.0	0.0
01/05/2023 03:00 AM	0.0	0.0	0.0
01/05/2023 04:00 AM	0.0	0.0	0.0
01/05/2023 05:00 AM	0.0	0.0	0.0
01/05/2023 06:00 AM	0.0	0.0	0.0
01/05/2023 07:00 AM	0.0	0.0	0.0
01/05/2023 08:00 AM	0.0	0.0	0.0
01/05/2023 09:00 AM	1,998.3	0.0	1,786.4
01/05/2023 10:00 AM	1,949.8	1,833.9	1,883.8
01/05/2023 11:00 AM	1,833.9	1,723.3	1,792.5
01/05/2023 12:00 PM	1,723.3	1,683.5	1,692.8
01/05/2023 01:00 PM	1,683.5	1,591.8	1,618.6
01/05/2023 02:00 PM	1,596.4	1,553.5	1,575.6
01/05/2023 03:00 PM	1,558.4	0.0	103.5
01/05/2023 04:00 PM	0.0	0.0	0.0
01/05/2023 05:00 PM	0.0	0.0	0.0
01/05/2023 06:00 PM	0.0	0.0	0.0
01/05/2023 07:00 PM	0.0	0.0	0.0
01/05/2023 08:00 PM	0.0	0.0	0.0
01/05/2023 09:00 PM	0.0	0.0	0.0
01/05/2023 10:00 PM	0.0	0.0	0.0
01/05/2023 11:00 PM	0.0	0.0	0.0
01/06/2023 12:00 AM	0.0	0.0	0.0
01/06/2023 01:00 AM	0.0	0.0	0.0
01/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/06/2023 03:00 AM	0.0	0.0	0.0
01/06/2023 04:00 AM	0.0	0.0	0.0
01/06/2023 05:00 AM	0.0	0.0	0.0
01/06/2023 06:00 AM	0.0	0.0	0.0
01/06/2023 07:00 AM	0.0	0.0	0.0
01/06/2023 08:00 AM	0.0	0.0	0.0
01/06/2023 09:00 AM	0.0	0.0	0.0
01/06/2023 10:00 AM	0.0	0.0	0.0
01/06/2023 11:00 AM	0.0	0.0	0.0
01/06/2023 12:00 PM	0.0	0.0	0.0
01/06/2023 01:00 PM	0.0	0.0	0.0
01/06/2023 02:00 PM	0.0	0.0	0.0
01/06/2023 03:00 PM	0.0	0.0	0.0
01/06/2023 04:00 PM	0.0	0.0	0.0
01/06/2023 05:00 PM	0.0	0.0	0.0
01/06/2023 06:00 PM	0.0	0.0	0.0
01/06/2023 07:00 PM	0.0	0.0	0.0
01/06/2023 08:00 PM	0.0	0.0	0.0
01/06/2023 09:00 PM	0.0	0.0	0.0
01/06/2023 10:00 PM	0.0	0.0	0.0
01/06/2023 11:00 PM	0.0	0.0	0.0
01/07/2023 12:00 AM	0.0	0.0	0.0
01/07/2023 01:00 AM	0.0	0.0	0.0
01/07/2023 02:00 AM	0.0	0.0	0.0
01/07/2023 03:00 AM	0.0	0.0	0.0
01/07/2023 04:00 AM	0.0	0.0	0.0
01/07/2023 05:00 AM	0.0	0.0	0.0
01/07/2023 06:00 AM	0.0	0.0	0.0
01/07/2023 07:00 AM	0.0	0.0	0.0
01/07/2023 08:00 AM	0.0	0.0	0.0
01/07/2023 09:00 AM	0.0	0.0	0.0
01/07/2023 10:00 AM	0.0	0.0	0.0
01/07/2023 11:00 AM	0.0	0.0	0.0
01/07/2023 12:00 PM	0.0	0.0	0.0
01/07/2023 01:00 PM	0.0	0.0	0.0
01/07/2023 02:00 PM	0.0	0.0	0.0
01/07/2023 03:00 PM	0.0	0.0	0.0
01/07/2023 04:00 PM	0.0	0.0	0.0
01/07/2023 05:00 PM	0.0	0.0	0.0
01/07/2023 06:00 PM	0.0	0.0	0.0
01/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/07/2023 08:00 PM	0.0	0.0	0.0
01/07/2023 09:00 PM	0.0	0.0	0.0
01/07/2023 10:00 PM	0.0	0.0	0.0
01/07/2023 11:00 PM	0.0	0.0	0.0
01/08/2023 12:00 AM	0.0	0.0	0.0
01/08/2023 01:00 AM	0.0	0.0	0.0
01/08/2023 02:00 AM	0.0	0.0	0.0
01/08/2023 03:00 AM	0.0	0.0	0.0
01/08/2023 04:00 AM	0.0	0.0	0.0
01/08/2023 05:00 AM	0.0	0.0	0.0
01/08/2023 06:00 AM	0.0	0.0	0.0
01/08/2023 07:00 AM	0.0	0.0	0.0
01/08/2023 08:00 AM	0.0	0.0	0.0
01/08/2023 09:00 AM	0.0	0.0	0.0
01/08/2023 10:00 AM	0.0	0.0	0.0
01/08/2023 11:00 AM	0.0	0.0	0.0
01/08/2023 12:00 PM	0.0	0.0	0.0
01/08/2023 01:00 PM	0.0	0.0	0.0
01/08/2023 02:00 PM	0.0	0.0	0.0
01/08/2023 03:00 PM	0.0	0.0	0.0
01/08/2023 04:00 PM	0.0	0.0	0.0
01/08/2023 05:00 PM	0.0	0.0	0.0
01/08/2023 06:00 PM	0.0	0.0	0.0
01/08/2023 07:00 PM	0.0	0.0	0.0
01/08/2023 08:00 PM	0.0	0.0	0.0
01/08/2023 09:00 PM	0.0	0.0	0.0
01/08/2023 10:00 PM	0.0	0.0	0.0
01/08/2023 11:00 PM	0.0	0.0	0.0
01/09/2023 12:00 AM	0.0	0.0	0.0
01/09/2023 01:00 AM	0.0	0.0	0.0
01/09/2023 02:00 AM	0.0	0.0	0.0
01/09/2023 03:00 AM	0.0	0.0	0.0
01/09/2023 04:00 AM	0.0	0.0	0.0
01/09/2023 05:00 AM	0.0	0.0	0.0
01/09/2023 06:00 AM	0.0	0.0	0.0
01/09/2023 07:00 AM	0.0	0.0	0.0
01/09/2023 08:00 AM	0.0	0.0	0.0
01/09/2023 09:00 AM	0.0	0.0	0.0
01/09/2023 10:00 AM	0.0	0.0	0.0
01/09/2023 11:00 AM	0.0	0.0	0.0
01/09/2023 12:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/09/2023 01:00 PM	0.0	0.0	0.0
01/09/2023 02:00 PM	0.0	0.0	0.0
01/09/2023 03:00 PM	0.0	0.0	0.0
01/09/2023 04:00 PM	0.0	0.0	0.0
01/09/2023 05:00 PM	0.0	0.0	0.0
01/09/2023 06:00 PM	0.0	0.0	0.0
01/09/2023 07:00 PM	0.0	0.0	0.0
01/09/2023 08:00 PM	0.0	0.0	0.0
01/09/2023 09:00 PM	0.0	0.0	0.0
01/09/2023 10:00 PM	0.0	0.0	0.0
01/09/2023 11:00 PM	0.0	0.0	0.0
01/10/2023 12:00 AM	0.0	0.0	0.0
01/10/2023 01:00 AM	0.0	0.0	0.0
01/10/2023 02:00 AM	0.0	0.0	0.0
01/10/2023 03:00 AM	0.0	0.0	0.0
01/10/2023 04:00 AM	0.0	0.0	0.0
01/10/2023 05:00 AM	0.0	0.0	0.0
01/10/2023 06:00 AM	0.0	0.0	0.0
01/10/2023 07:00 AM	0.0	0.0	0.0
01/10/2023 08:00 AM	0.0	0.0	0.0
01/10/2023 09:00 AM	1,998.4	0.0	1,858.1
01/10/2023 10:00 AM	1,945.7	1,884.8	1,917.4
01/10/2023 11:00 AM	1,888.6	1,848.3	1,868.7
01/10/2023 12:00 PM	1,848.3	1,802.8	1,827.0
01/10/2023 01:00 PM	1,808.4	1,759.7	1,784.5
01/10/2023 02:00 PM	1,764.1	1,707.0	1,734.8
01/10/2023 03:00 PM	1,707.0	0.0	141.5
01/10/2023 04:00 PM	0.0	0.0	0.0
01/10/2023 05:00 PM	0.0	0.0	0.0
01/10/2023 06:00 PM	0.0	0.0	0.0
01/10/2023 07:00 PM	0.0	0.0	0.0
01/10/2023 08:00 PM	0.0	0.0	0.0
01/10/2023 09:00 PM	0.0	0.0	0.0
01/10/2023 10:00 PM	0.0	0.0	0.0
01/10/2023 11:00 PM	0.0	0.0	0.0
01/11/2023 12:00 AM	0.0	0.0	0.0
01/11/2023 01:00 AM	0.0	0.0	0.0
01/11/2023 02:00 AM	0.0	0.0	0.0
01/11/2023 03:00 AM	0.0	0.0	0.0
01/11/2023 04:00 AM	0.0	0.0	0.0
01/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/11/2023 06:00 AM	0.0	0.0	0.0
01/11/2023 07:00 AM	0.0	0.0	0.0
01/11/2023 08:00 AM	0.0	0.0	0.0
01/11/2023 09:00 AM	0.0	0.0	0.0
01/11/2023 10:00 AM	0.0	0.0	0.0
01/11/2023 11:00 AM	0.0	0.0	0.0
01/11/2023 12:00 PM	0.0	0.0	0.0
01/11/2023 01:00 PM	0.0	0.0	0.0
01/11/2023 02:00 PM	0.0	0.0	0.0
01/11/2023 03:00 PM	0.0	0.0	0.0
01/11/2023 04:00 PM	0.0	0.0	0.0
01/11/2023 05:00 PM	0.0	0.0	0.0
01/11/2023 06:00 PM	0.0	0.0	0.0
01/11/2023 07:00 PM	0.0	0.0	0.0
01/11/2023 08:00 PM	0.0	0.0	0.0
01/11/2023 09:00 PM	0.0	0.0	0.0
01/11/2023 10:00 PM	0.0	0.0	0.0
01/11/2023 11:00 PM	0.0	0.0	0.0
01/12/2023 12:00 AM	0.0	0.0	0.0
01/12/2023 01:00 AM	0.0	0.0	0.0
01/12/2023 02:00 AM	0.0	0.0	0.0
01/12/2023 03:00 AM	0.0	0.0	0.0
01/12/2023 04:00 AM	0.0	0.0	0.0
01/12/2023 05:00 AM	0.0	0.0	0.0
01/12/2023 06:00 AM	0.0	0.0	0.0
01/12/2023 07:00 AM	0.0	0.0	0.0
01/12/2023 08:00 AM	0.0	0.0	0.0
01/12/2023 09:00 AM	1,999.0	0.0	1,850.5
01/12/2023 10:00 AM	1,968.1	1,837.5	1,902.4
01/12/2023 11:00 AM	1,837.5	1,732.3	1,791.8
01/12/2023 12:00 PM	1,739.0	1,656.5	1,687.7
01/12/2023 01:00 PM	1,658.4	1,596.3	1,623.3
01/12/2023 02:00 PM	1,598.7	1,549.6	1,579.4
01/12/2023 03:00 PM	1,560.1	0.0	103.8
01/12/2023 04:00 PM	0.0	0.0	0.0
01/12/2023 05:00 PM	0.0	0.0	0.0
01/12/2023 06:00 PM	0.0	0.0	0.0
01/12/2023 07:00 PM	0.0	0.0	0.0
01/12/2023 08:00 PM	0.0	0.0	0.0
01/12/2023 09:00 PM	0.0	0.0	0.0
01/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/12/2023 11:00 PM	0.0	0.0	0.0
01/13/2023 12:00 AM	0.0	0.0	0.0
01/13/2023 01:00 AM	0.0	0.0	0.0
01/13/2023 02:00 AM	0.0	0.0	0.0
01/13/2023 03:00 AM	0.0	0.0	0.0
01/13/2023 04:00 AM	0.0	0.0	0.0
01/13/2023 05:00 AM	0.0	0.0	0.0
01/13/2023 06:00 AM	0.0	0.0	0.0
01/13/2023 07:00 AM	0.0	0.0	0.0
01/13/2023 08:00 AM	0.0	0.0	0.0
01/13/2023 09:00 AM	0.0	0.0	0.0
01/13/2023 10:00 AM	0.0	0.0	0.0
01/13/2023 11:00 AM	0.0	0.0	0.0
01/13/2023 12:00 PM	0.0	0.0	0.0
01/13/2023 01:00 PM	0.0	0.0	0.0
01/13/2023 02:00 PM	0.0	0.0	0.0
01/13/2023 03:00 PM	0.0	0.0	0.0
01/13/2023 04:00 PM	0.0	0.0	0.0
01/13/2023 05:00 PM	0.0	0.0	0.0
01/13/2023 06:00 PM	0.0	0.0	0.0
01/13/2023 07:00 PM	0.0	0.0	0.0
01/13/2023 08:00 PM	0.0	0.0	0.0
01/13/2023 09:00 PM	0.0	0.0	0.0
01/13/2023 10:00 PM	0.0	0.0	0.0
01/13/2023 11:00 PM	0.0	0.0	0.0
01/14/2023 12:00 AM	0.0	0.0	0.0
01/14/2023 01:00 AM	0.0	0.0	0.0
01/14/2023 02:00 AM	0.0	0.0	0.0
01/14/2023 03:00 AM	0.0	0.0	0.0
01/14/2023 04:00 AM	0.0	0.0	0.0
01/14/2023 05:00 AM	0.0	0.0	0.0
01/14/2023 06:00 AM	0.0	0.0	0.0
01/14/2023 07:00 AM	0.0	0.0	0.0
01/14/2023 08:00 AM	0.0	0.0	0.0
01/14/2023 09:00 AM	0.0	0.0	0.0
01/14/2023 10:00 AM	0.0	0.0	0.0
01/14/2023 11:00 AM	0.0	0.0	0.0
01/14/2023 12:00 PM	0.0	0.0	0.0
01/14/2023 01:00 PM	0.0	0.0	0.0
01/14/2023 02:00 PM	0.0	0.0	0.0
01/14/2023 03:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/14/2023 04:00 PM	0.0	0.0	0.0
01/14/2023 05:00 PM	0.0	0.0	0.0
01/14/2023 06:00 PM	0.0	0.0	0.0
01/14/2023 07:00 PM	0.0	0.0	0.0
01/14/2023 08:00 PM	0.0	0.0	0.0
01/14/2023 09:00 PM	0.0	0.0	0.0
01/14/2023 10:00 PM	0.0	0.0	0.0
01/14/2023 11:00 PM	0.0	0.0	0.0
01/15/2023 12:00 AM	0.0	0.0	0.0
01/15/2023 01:00 AM	0.0	0.0	0.0
01/15/2023 02:00 AM	0.0	0.0	0.0
01/15/2023 03:00 AM	0.0	0.0	0.0
01/15/2023 04:00 AM	0.0	0.0	0.0
01/15/2023 05:00 AM	0.0	0.0	0.0
01/15/2023 06:00 AM	0.0	0.0	0.0
01/15/2023 07:00 AM	0.0	0.0	0.0
01/15/2023 08:00 AM	0.0	0.0	0.0
01/15/2023 09:00 AM	0.0	0.0	0.0
01/15/2023 10:00 AM	0.0	0.0	0.0
01/15/2023 11:00 AM	0.0	0.0	0.0
01/15/2023 12:00 PM	0.0	0.0	0.0
01/15/2023 01:00 PM	0.0	0.0	0.0
01/15/2023 02:00 PM	0.0	0.0	0.0
01/15/2023 03:00 PM	0.0	0.0	0.0
01/15/2023 04:00 PM	0.0	0.0	0.0
01/15/2023 05:00 PM	0.0	0.0	0.0
01/15/2023 06:00 PM	0.0	0.0	0.0
01/15/2023 07:00 PM	0.0	0.0	0.0
01/15/2023 08:00 PM	0.0	0.0	0.0
01/15/2023 09:00 PM	0.0	0.0	0.0
01/15/2023 10:00 PM	0.0	0.0	0.0
01/15/2023 11:00 PM	0.0	0.0	0.0
01/16/2023 12:00 AM	0.0	0.0	0.0
01/16/2023 01:00 AM	0.0	0.0	0.0
01/16/2023 02:00 AM	0.0	0.0	0.0
01/16/2023 03:00 AM	0.0	0.0	0.0
01/16/2023 04:00 AM	0.0	0.0	0.0
01/16/2023 05:00 AM	0.0	0.0	0.0
01/16/2023 06:00 AM	0.0	0.0	0.0
01/16/2023 07:00 AM	0.0	0.0	0.0
01/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/16/2023 09:00 AM	0.0	0.0	0.0
01/16/2023 10:00 AM	0.0	0.0	0.0
01/16/2023 11:00 AM	0.0	0.0	0.0
01/16/2023 12:00 PM	0.0	0.0	0.0
01/16/2023 01:00 PM	0.0	0.0	0.0
01/16/2023 02:00 PM	0.0	0.0	0.0
01/16/2023 03:00 PM	0.0	0.0	0.0
01/16/2023 04:00 PM	0.0	0.0	0.0
01/16/2023 05:00 PM	0.0	0.0	0.0
01/16/2023 06:00 PM	0.0	0.0	0.0
01/16/2023 07:00 PM	0.0	0.0	0.0
01/16/2023 08:00 PM	0.0	0.0	0.0
01/16/2023 09:00 PM	0.0	0.0	0.0
01/16/2023 10:00 PM	0.0	0.0	0.0
01/16/2023 11:00 PM	0.0	0.0	0.0
01/17/2023 12:00 AM	0.0	0.0	0.0
01/17/2023 01:00 AM	0.0	0.0	0.0
01/17/2023 02:00 AM	0.0	0.0	0.0
01/17/2023 03:00 AM	0.0	0.0	0.0
01/17/2023 04:00 AM	0.0	0.0	0.0
01/17/2023 05:00 AM	0.0	0.0	0.0
01/17/2023 06:00 AM	0.0	0.0	0.0
01/17/2023 07:00 AM	0.0	0.0	0.0
01/17/2023 08:00 AM	0.0	0.0	0.0
01/17/2023 09:00 AM	1,998.2	0.0	1,862.8
01/17/2023 10:00 AM	1,997.9	1,931.4	1,966.7
01/17/2023 11:00 AM	1,935.8	1,866.5	1,907.6
01/17/2023 12:00 PM	1,866.5	1,804.5	1,843.8
01/17/2023 01:00 PM	1,804.5	1,737.1	1,773.5
01/17/2023 02:00 PM	1,740.2	1,674.1	1,705.0
01/17/2023 03:00 PM	1,677.5	0.0	83.7
01/17/2023 04:00 PM	0.0	0.0	0.0
01/17/2023 05:00 PM	0.0	0.0	0.0
01/17/2023 06:00 PM	0.0	0.0	0.0
01/17/2023 07:00 PM	0.0	0.0	0.0
01/17/2023 08:00 PM	0.0	0.0	0.0
01/17/2023 09:00 PM	0.0	0.0	0.0
01/17/2023 10:00 PM	0.0	0.0	0.0
01/17/2023 11:00 PM	0.0	0.0	0.0
01/18/2023 12:00 AM	0.0	0.0	0.0
01/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/18/2023 02:00 AM	0.0	0.0	0.0
01/18/2023 03:00 AM	0.0	0.0	0.0
01/18/2023 04:00 AM	0.0	0.0	0.0
01/18/2023 05:00 AM	0.0	0.0	0.0
01/18/2023 06:00 AM	0.0	0.0	0.0
01/18/2023 07:00 AM	0.0	0.0	0.0
01/18/2023 08:00 AM	0.0	0.0	0.0
01/18/2023 09:00 AM	0.0	0.0	0.0
01/18/2023 10:00 AM	0.0	0.0	0.0
01/18/2023 11:00 AM	0.0	0.0	0.0
01/18/2023 12:00 PM	0.0	0.0	0.0
01/18/2023 01:00 PM	0.0	0.0	0.0
01/18/2023 02:00 PM	0.0	0.0	0.0
01/18/2023 03:00 PM	0.0	0.0	0.0
01/18/2023 04:00 PM	0.0	0.0	0.0
01/18/2023 05:00 PM	0.0	0.0	0.0
01/18/2023 06:00 PM	0.0	0.0	0.0
01/18/2023 07:00 PM	0.0	0.0	0.0
01/18/2023 08:00 PM	0.0	0.0	0.0
01/18/2023 09:00 PM	0.0	0.0	0.0
01/18/2023 10:00 PM	0.0	0.0	0.0
01/18/2023 11:00 PM	0.0	0.0	0.0
01/19/2023 12:00 AM	0.0	0.0	0.0
01/19/2023 01:00 AM	0.0	0.0	0.0
01/19/2023 02:00 AM	0.0	0.0	0.0
01/19/2023 03:00 AM	0.0	0.0	0.0
01/19/2023 04:00 AM	0.0	0.0	0.0
01/19/2023 05:00 AM	0.0	0.0	0.0
01/19/2023 06:00 AM	0.0	0.0	0.0
01/19/2023 07:00 AM	0.0	0.0	0.0
01/19/2023 08:00 AM	0.0	0.0	0.0
01/19/2023 09:00 AM	1,999.8	0.0	1,884.8
01/19/2023 10:00 AM	1,973.3	1,792.9	1,881.6
01/19/2023 11:00 AM	1,794.2	1,668.5	1,728.6
01/19/2023 12:00 PM	1,682.2	1,583.2	1,625.7
01/19/2023 01:00 PM	1,592.3	1,550.6	1,570.7
01/19/2023 02:00 PM	1,585.2	1,519.7	1,542.2
01/19/2023 03:00 PM	1,543.9	0.0	76.7
01/19/2023 04:00 PM	0.0	0.0	0.0
01/19/2023 05:00 PM	0.0	0.0	0.0
01/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/19/2023 07:00 PM	0.0	0.0	0.0
01/19/2023 08:00 PM	0.0	0.0	0.0
01/19/2023 09:00 PM	0.0	0.0	0.0
01/19/2023 10:00 PM	0.0	0.0	0.0
01/19/2023 11:00 PM	0.0	0.0	0.0
01/20/2023 12:00 AM	0.0	0.0	0.0
01/20/2023 01:00 AM	0.0	0.0	0.0
01/20/2023 02:00 AM	0.0	0.0	0.0
01/20/2023 03:00 AM	0.0	0.0	0.0
01/20/2023 04:00 AM	0.0	0.0	0.0
01/20/2023 05:00 AM	0.0	0.0	0.0
01/20/2023 06:00 AM	0.0	0.0	0.0
01/20/2023 07:00 AM	0.0	0.0	0.0
01/20/2023 08:00 AM	0.0	0.0	0.0
01/20/2023 09:00 AM	0.0	0.0	0.0
01/20/2023 10:00 AM	0.0	0.0	0.0
01/20/2023 11:00 AM	0.0	0.0	0.0
01/20/2023 12:00 PM	0.0	0.0	0.0
01/20/2023 01:00 PM	0.0	0.0	0.0
01/20/2023 02:00 PM	0.0	0.0	0.0
01/20/2023 03:00 PM	0.0	0.0	0.0
01/20/2023 04:00 PM	0.0	0.0	0.0
01/20/2023 05:00 PM	0.0	0.0	0.0
01/20/2023 06:00 PM	0.0	0.0	0.0
01/20/2023 07:00 PM	0.0	0.0	0.0
01/20/2023 08:00 PM	0.0	0.0	0.0
01/20/2023 09:00 PM	0.0	0.0	0.0
01/20/2023 10:00 PM	0.0	0.0	0.0
01/20/2023 11:00 PM	0.0	0.0	0.0
01/21/2023 12:00 AM	0.0	0.0	0.0
01/21/2023 01:00 AM	0.0	0.0	0.0
01/21/2023 02:00 AM	0.0	0.0	0.0
01/21/2023 03:00 AM	0.0	0.0	0.0
01/21/2023 04:00 AM	0.0	0.0	0.0
01/21/2023 05:00 AM	0.0	0.0	0.0
01/21/2023 06:00 AM	0.0	0.0	0.0
01/21/2023 07:00 AM	0.0	0.0	0.0
01/21/2023 08:00 AM	0.0	0.0	0.0
01/21/2023 09:00 AM	0.0	0.0	0.0
01/21/2023 10:00 AM	0.0	0.0	0.0
01/21/2023 11:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/21/2023 12:00 PM	0.0	0.0	0.0
01/21/2023 01:00 PM	0.0	0.0	0.0
01/21/2023 02:00 PM	0.0	0.0	0.0
01/21/2023 03:00 PM	0.0	0.0	0.0
01/21/2023 04:00 PM	0.0	0.0	0.0
01/21/2023 05:00 PM	0.0	0.0	0.0
01/21/2023 06:00 PM	0.0	0.0	0.0
01/21/2023 07:00 PM	0.0	0.0	0.0
01/21/2023 08:00 PM	0.0	0.0	0.0
01/21/2023 09:00 PM	0.0	0.0	0.0
01/21/2023 10:00 PM	0.0	0.0	0.0
01/21/2023 11:00 PM	0.0	0.0	0.0
01/22/2023 12:00 AM	0.0	0.0	0.0
01/22/2023 01:00 AM	0.0	0.0	0.0
01/22/2023 02:00 AM	0.0	0.0	0.0
01/22/2023 03:00 AM	0.0	0.0	0.0
01/22/2023 04:00 AM	0.0	0.0	0.0
01/22/2023 05:00 AM	0.0	0.0	0.0
01/22/2023 06:00 AM	0.0	0.0	0.0
01/22/2023 07:00 AM	0.0	0.0	0.0
01/22/2023 08:00 AM	0.0	0.0	0.0
01/22/2023 09:00 AM	0.0	0.0	0.0
01/22/2023 10:00 AM	0.0	0.0	0.0
01/22/2023 11:00 AM	0.0	0.0	0.0
01/22/2023 12:00 PM	0.0	0.0	0.0
01/22/2023 01:00 PM	0.0	0.0	0.0
01/22/2023 02:00 PM	0.0	0.0	0.0
01/22/2023 03:00 PM	0.0	0.0	0.0
01/22/2023 04:00 PM	0.0	0.0	0.0
01/22/2023 05:00 PM	0.0	0.0	0.0
01/22/2023 06:00 PM	0.0	0.0	0.0
01/22/2023 07:00 PM	0.0	0.0	0.0
01/22/2023 08:00 PM	0.0	0.0	0.0
01/22/2023 09:00 PM	0.0	0.0	0.0
01/22/2023 10:00 PM	0.0	0.0	0.0
01/22/2023 11:00 PM	0.0	0.0	0.0
01/23/2023 12:00 AM	0.0	0.0	0.0
01/23/2023 01:00 AM	0.0	0.0	0.0
01/23/2023 02:00 AM	0.0	0.0	0.0
01/23/2023 03:00 AM	0.0	0.0	0.0
01/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/23/2023 05:00 AM	0.0	0.0	0.0
01/23/2023 06:00 AM	0.0	0.0	0.0
01/23/2023 07:00 AM	0.0	0.0	0.0
01/23/2023 08:00 AM	0.0	0.0	0.0
01/23/2023 09:00 AM	0.0	0.0	0.0
01/23/2023 10:00 AM	0.0	0.0	0.0
01/23/2023 11:00 AM	0.0	0.0	0.0
01/23/2023 12:00 PM	0.0	0.0	0.0
01/23/2023 01:00 PM	0.0	0.0	0.0
01/23/2023 02:00 PM	0.0	0.0	0.0
01/23/2023 03:00 PM	0.0	0.0	0.0
01/23/2023 04:00 PM	0.0	0.0	0.0
01/23/2023 05:00 PM	0.0	0.0	0.0
01/23/2023 06:00 PM	0.0	0.0	0.0
01/23/2023 07:00 PM	0.0	0.0	0.0
01/23/2023 08:00 PM	0.0	0.0	0.0
01/23/2023 09:00 PM	0.0	0.0	0.0
01/23/2023 10:00 PM	0.0	0.0	0.0
01/23/2023 11:00 PM	0.0	0.0	0.0
01/24/2023 12:00 AM	0.0	0.0	0.0
01/24/2023 01:00 AM	0.0	0.0	0.0
01/24/2023 02:00 AM	0.0	0.0	0.0
01/24/2023 03:00 AM	0.0	0.0	0.0
01/24/2023 04:00 AM	0.0	0.0	0.0
01/24/2023 05:00 AM	0.0	0.0	0.0
01/24/2023 06:00 AM	0.0	0.0	0.0
01/24/2023 07:00 AM	0.0	0.0	0.0
01/24/2023 08:00 AM	0.0	0.0	0.0
01/24/2023 09:00 AM	1,998.7	0.0	1,877.4
01/24/2023 10:00 AM	1,998.6	1,936.4	1,969.1
01/24/2023 11:00 AM	1,936.4	1,871.1	1,905.6
01/24/2023 12:00 PM	1,871.1	1,787.7	1,829.8
01/24/2023 01:00 PM	1,787.7	1,706.0	1,745.8
01/24/2023 02:00 PM	1,713.7	1,620.1	1,669.2
01/24/2023 03:00 PM	1,621.1	0.0	81.0
01/24/2023 04:00 PM	0.0	0.0	0.0
01/24/2023 05:00 PM	0.0	0.0	0.0
01/24/2023 06:00 PM	0.0	0.0	0.0
01/24/2023 07:00 PM	0.0	0.0	0.0
01/24/2023 08:00 PM	0.0	0.0	0.0
01/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/24/2023 10:00 PM	0.0	0.0	0.0
01/24/2023 11:00 PM	0.0	0.0	0.0
01/25/2023 12:00 AM	0.0	0.0	0.0
01/25/2023 01:00 AM	0.0	0.0	0.0
01/25/2023 02:00 AM	0.0	0.0	0.0
01/25/2023 03:00 AM	0.0	0.0	0.0
01/25/2023 04:00 AM	0.0	0.0	0.0
01/25/2023 05:00 AM	0.0	0.0	0.0
01/25/2023 06:00 AM	0.0	0.0	0.0
01/25/2023 07:00 AM	0.0	0.0	0.0
01/25/2023 08:00 AM	0.0	0.0	0.0
01/25/2023 09:00 AM	0.0	0.0	0.0
01/25/2023 10:00 AM	0.0	0.0	0.0
01/25/2023 11:00 AM	0.0	0.0	0.0
01/25/2023 12:00 PM	0.0	0.0	0.0
01/25/2023 01:00 PM	0.0	0.0	0.0
01/25/2023 02:00 PM	0.0	0.0	0.0
01/25/2023 03:00 PM	0.0	0.0	0.0
01/25/2023 04:00 PM	0.0	0.0	0.0
01/25/2023 05:00 PM	0.0	0.0	0.0
01/25/2023 06:00 PM	0.0	0.0	0.0
01/25/2023 07:00 PM	0.0	0.0	0.0
01/25/2023 08:00 PM	0.0	0.0	0.0
01/25/2023 09:00 PM	0.0	0.0	0.0
01/25/2023 10:00 PM	0.0	0.0	0.0
01/25/2023 11:00 PM	0.0	0.0	0.0
01/26/2023 12:00 AM	0.0	0.0	0.0
01/26/2023 01:00 AM	0.0	0.0	0.0
01/26/2023 02:00 AM	0.0	0.0	0.0
01/26/2023 03:00 AM	0.0	0.0	0.0
01/26/2023 04:00 AM	0.0	0.0	0.0
01/26/2023 05:00 AM	0.0	0.0	0.0
01/26/2023 06:00 AM	0.0	0.0	0.0
01/26/2023 07:00 AM	0.0	0.0	0.0
01/26/2023 08:00 AM	0.0	0.0	0.0
01/26/2023 09:00 AM	1,998.9	0.0	1,883.7
01/26/2023 10:00 AM	1,995.3	1,824.7	1,904.7
01/26/2023 11:00 AM	1,825.2	1,672.9	1,745.2
01/26/2023 12:00 PM	1,672.9	1,576.3	1,622.0
01/26/2023 01:00 PM	1,576.3	1,530.4	1,550.9
01/26/2023 02:00 PM	1,536.5	1,492.6	1,511.7

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/26/2023 03:00 PM	1,507.8	0.0	75.4
01/26/2023 04:00 PM	0.0	0.0	0.0
01/26/2023 05:00 PM	0.0	0.0	0.0
01/26/2023 06:00 PM	0.0	0.0	0.0
01/26/2023 07:00 PM	0.0	0.0	0.0
01/26/2023 08:00 PM	0.0	0.0	0.0
01/26/2023 09:00 PM	0.0	0.0	0.0
01/26/2023 10:00 PM	0.0	0.0	0.0
01/26/2023 11:00 PM	0.0	0.0	0.0
01/27/2023 12:00 AM	0.0	0.0	0.0
01/27/2023 01:00 AM	0.0	0.0	0.0
01/27/2023 02:00 AM	0.0	0.0	0.0
01/27/2023 03:00 AM	0.0	0.0	0.0
01/27/2023 04:00 AM	0.0	0.0	0.0
01/27/2023 05:00 AM	0.0	0.0	0.0
01/27/2023 06:00 AM	0.0	0.0	0.0
01/27/2023 07:00 AM	0.0	0.0	0.0
01/27/2023 08:00 AM	0.0	0.0	0.0
01/27/2023 09:00 AM	0.0	0.0	0.0
01/27/2023 10:00 AM	0.0	0.0	0.0
01/27/2023 11:00 AM	0.0	0.0	0.0
01/27/2023 12:00 PM	0.0	0.0	0.0
01/27/2023 01:00 PM	0.0	0.0	0.0
01/27/2023 02:00 PM	0.0	0.0	0.0
01/27/2023 03:00 PM	0.0	0.0	0.0
01/27/2023 04:00 PM	0.0	0.0	0.0
01/27/2023 05:00 PM	0.0	0.0	0.0
01/27/2023 06:00 PM	0.0	0.0	0.0
01/27/2023 07:00 PM	0.0	0.0	0.0
01/27/2023 08:00 PM	0.0	0.0	0.0
01/27/2023 09:00 PM	0.0	0.0	0.0
01/27/2023 10:00 PM	0.0	0.0	0.0
01/27/2023 11:00 PM	0.0	0.0	0.0
01/28/2023 12:00 AM	0.0	0.0	0.0
01/28/2023 01:00 AM	0.0	0.0	0.0
01/28/2023 02:00 AM	0.0	0.0	0.0
01/28/2023 03:00 AM	0.0	0.0	0.0
01/28/2023 04:00 AM	0.0	0.0	0.0
01/28/2023 05:00 AM	0.0	0.0	0.0
01/28/2023 06:00 AM	0.0	0.0	0.0
01/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/28/2023 08:00 AM	0.0	0.0	0.0
01/28/2023 09:00 AM	0.0	0.0	0.0
01/28/2023 10:00 AM	0.0	0.0	0.0
01/28/2023 11:00 AM	0.0	0.0	0.0
01/28/2023 12:00 PM	0.0	0.0	0.0
01/28/2023 01:00 PM	0.0	0.0	0.0
01/28/2023 02:00 PM	0.0	0.0	0.0
01/28/2023 03:00 PM	0.0	0.0	0.0
01/28/2023 04:00 PM	0.0	0.0	0.0
01/28/2023 05:00 PM	0.0	0.0	0.0
01/28/2023 06:00 PM	0.0	0.0	0.0
01/28/2023 07:00 PM	0.0	0.0	0.0
01/28/2023 08:00 PM	0.0	0.0	0.0
01/28/2023 09:00 PM	0.0	0.0	0.0
01/28/2023 10:00 PM	0.0	0.0	0.0
01/28/2023 11:00 PM	0.0	0.0	0.0
01/29/2023 12:00 AM	0.0	0.0	0.0
01/29/2023 01:00 AM	0.0	0.0	0.0
01/29/2023 02:00 AM	0.0	0.0	0.0
01/29/2023 03:00 AM	0.0	0.0	0.0
01/29/2023 04:00 AM	0.0	0.0	0.0
01/29/2023 05:00 AM	0.0	0.0	0.0
01/29/2023 06:00 AM	0.0	0.0	0.0
01/29/2023 07:00 AM	0.0	0.0	0.0
01/29/2023 08:00 AM	0.0	0.0	0.0
01/29/2023 09:00 AM	0.0	0.0	0.0
01/29/2023 10:00 AM	0.0	0.0	0.0
01/29/2023 11:00 AM	0.0	0.0	0.0
01/29/2023 12:00 PM	0.0	0.0	0.0
01/29/2023 01:00 PM	0.0	0.0	0.0
01/29/2023 02:00 PM	0.0	0.0	0.0
01/29/2023 03:00 PM	0.0	0.0	0.0
01/29/2023 04:00 PM	0.0	0.0	0.0
01/29/2023 05:00 PM	0.0	0.0	0.0
01/29/2023 06:00 PM	0.0	0.0	0.0
01/29/2023 07:00 PM	0.0	0.0	0.0
01/29/2023 08:00 PM	0.0	0.0	0.0
01/29/2023 09:00 PM	0.0	0.0	0.0
01/29/2023 10:00 PM	0.0	0.0	0.0
01/29/2023 11:00 PM	0.0	0.0	0.0
01/30/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/30/2023 01:00 AM	0.0	0.0	0.0
01/30/2023 02:00 AM	0.0	0.0	0.0
01/30/2023 03:00 AM	0.0	0.0	0.0
01/30/2023 04:00 AM	0.0	0.0	0.0
01/30/2023 05:00 AM	0.0	0.0	0.0
01/30/2023 06:00 AM	0.0	0.0	0.0
01/30/2023 07:00 AM	0.0	0.0	0.0
01/30/2023 08:00 AM	0.0	0.0	0.0
01/30/2023 09:00 AM	0.0	0.0	0.0
01/30/2023 10:00 AM	0.0	0.0	0.0
01/30/2023 11:00 AM	0.0	0.0	0.0
01/30/2023 12:00 PM	0.0	0.0	0.0
01/30/2023 01:00 PM	0.0	0.0	0.0
01/30/2023 02:00 PM	0.0	0.0	0.0
01/30/2023 03:00 PM	0.0	0.0	0.0
01/30/2023 04:00 PM	0.0	0.0	0.0
01/30/2023 05:00 PM	0.0	0.0	0.0
01/30/2023 06:00 PM	0.0	0.0	0.0
01/30/2023 07:00 PM	0.0	0.0	0.0
01/30/2023 08:00 PM	0.0	0.0	0.0
01/30/2023 09:00 PM	0.0	0.0	0.0
01/30/2023 10:00 PM	0.0	0.0	0.0
01/30/2023 11:00 PM	0.0	0.0	0.0
01/31/2023 12:00 AM	0.0	0.0	0.0
01/31/2023 01:00 AM	0.0	0.0	0.0
01/31/2023 02:00 AM	0.0	0.0	0.0
01/31/2023 03:00 AM	0.0	0.0	0.0
01/31/2023 04:00 AM	0.0	0.0	0.0
01/31/2023 05:00 AM	0.0	0.0	0.0
01/31/2023 06:00 AM	0.0	0.0	0.0
01/31/2023 07:00 AM	0.0	0.0	0.0
01/31/2023 08:00 AM	0.0	0.0	0.0
01/31/2023 09:00 AM	1,998.8	0.0	1,795.0
01/31/2023 10:00 AM	1,998.6	1,955.5	1,982.2
01/31/2023 11:00 AM	1,955.5	1,864.9	1,908.2
01/31/2023 12:00 PM	1,867.4	1,787.7	1,831.0
01/31/2023 01:00 PM	1,787.7	1,703.8	1,740.2
01/31/2023 02:00 PM	1,703.8	1,642.8	1,665.7
01/31/2023 03:00 PM	1,647.7	0.0	247.2
01/31/2023 04:00 PM	0.0	0.0	0.0
01/31/2023 05:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
January 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
01/31/2023 06:00 PM	0.0	0.0	0.0
01/31/2023 07:00 PM	0.0	0.0	0.0
01/31/2023 08:00 PM	0.0	0.0	0.0
01/31/2023 09:00 PM	0.0	0.0	0.0
01/31/2023 10:00 PM	0.0	0.0	0.0
01/31/2023 11:00 PM	0.0	0.0	0.0

February 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
February 2023

Date	Raw Water	Finished Water
02/01/2023	334,137	331,656
02/02/2023	368,034	360,917
02/03/2023	368,034	360,917
02/04/2023	349,278	339,970
02/05/2023	349,278	339,970
02/06/2023	344,845	330,254
02/07/2023	376,356	366,604
02/08/2023	345,513	342,787
02/09/2023	372,857	359,230
02/10/2023	372,857	359,230
02/11/2023	346,285	341,095
02/12/2023	340,542	328,551
02/13/2023	345,393	334,819
02/14/2023	376,048	372,730
02/15/2023	347,034	330,494
02/16/2023	365,773	365,195
02/17/2023	365,773	365,195
02/18/2023	344,353	338,391
02/19/2023	344,353	338,391
02/20/2023	342,370	339,540
02/21/2023	373,196	360,533
02/22/2023	373,196	360,533
02/23/2023	375,391	360,072
02/24/2023	375,391	360,072
02/25/2023	346,464	338,989
02/26/2023	339,602	335,841
02/27/2023	345,229	334,647
02/28/2023	369,754	368,672
Totals:	**9,997,339**	**9,765,296**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
February 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
02/01/2023	7.1	7.1	6.9	8.8
02/02/2023	8.0	7.7	7.9	9.1
02/03/2023	8.0	7.7	7.9	9.1
02/04/2023	7.3	7.6	7.2	9.0
02/05/2023	8.2	7.6	7.2	9.2
02/06/2023	7.8	6.9	7.6	8.2
02/07/2023	8.3	7.7	7.6	10.4
02/08/2023	8.4	6.3	7.4	8.9
02/09/2023	7.5	8.3	7.1	10.0
02/10/2023	8.7	8.3	7.1	10.0
02/11/2023	8.7	7.1	7.2	9.3
02/12/2023	8.1	6.4	7.6	8.0
02/13/2023	7.3	7.4	6.6	9.3
02/14/2023	7.9	8.2	9.0	9.3
02/15/2023	7.7	7.1	7.5	8.2
02/16/2023	8.5	7.1	7.5	10.7
02/17/2023	8.5	7.4	6.7	10.7
02/18/2023	7.7	7.4	7.2	9.2
02/19/2023	7.7	7.3	7.7	8.9
02/20/2023	7.3	7.7	7.7	8.8
02/21/2023	8.0	7.8	7.7	9.5
02/22/2023	8.0	7.8	7.7	9.5
02/23/2023	8.4	7.6	7.5	9.8
02/24/2023	8.4	7.6	7.4	9.8
02/25/2023	7.8	7.4	7.3	9.3
02/26/2023	8.2	6.6	7.6	9.3
02/27/2023	8.2	6.9	7.6	9.3
02/28/2023	8.3	7.5	8.8	9.3
Totals:	**224.0**	**207.3**	**210.0**	**261.3**
	431.3		**471.3**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
February 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
02/01/2023	0.0	14.3	0.0	15.8
02/02/2023	0.0	15.8	0.0	17.1
02/03/2023	0.0	15.8	0.0	17.1
02/04/2023	0.0	15.0	0.0	16.2
02/05/2023	0.0	15.0	0.0	16.2
02/06/2023	0.0	14.7	0.0	15.8
02/07/2023	0.0	16.1	0.0	17.4
02/08/2023	0.0	14.8	0.0	16.4
02/09/2023	0.0	15.9	0.0	17.2
02/10/2023	0.0	15.9	0.0	17.2
02/11/2023	0.0	14.8	0.0	16.3
02/12/2023	0.0	14.6	0.0	15.7
02/13/2023	0.0	14.8	0.0	16.0
02/14/2023	0.0	16.1	0.0	17.7
02/15/2023	0.0	14.8	0.0	15.8
02/16/2023	0.0	15.7	0.0	17.5
02/17/2023	0.0	15.7	0.0	17.5
02/18/2023	0.0	14.8	0.0	16.2
02/19/2023	0.0	14.8	0.0	16.2
02/20/2023	0.0	14.7	0.0	16.3
02/21/2023	0.0	15.9	0.0	17.2
02/22/2023	0.0	15.9	0.0	17.2
02/23/2023	0.0	16.1	0.0	17.2
02/24/2023	0.0	16.1	0.0	17.2
02/25/2023	0.0	14.8	0.0	16.2
02/26/2023	0.0	14.6	0.0	16.1
02/27/2023	0.0	14.8	0.0	16.1
02/28/2023	0.0	15.8	0.0	17.7
Totals:	**0.0**	**427.8**	**0.0**	**466.4**
	427.8		**466.4**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
February 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
02/01/2023	6.0	31,305	24.0	334,041
02/02/2023	5.0	24,228	24.0	337,051
02/03/2023	5.0	24,228	24.0	337,683
02/04/2023	0.0	0	24.0	339,661
02/05/2023	0.0	0	24.0	339,661
02/06/2023	0.0	0	24.0	339,252
02/07/2023	6.0	30,931	24.0	338,932
02/08/2023	0.0	0	24.0	338,932
02/09/2023	6.0	30,997	24.0	338,377
02/10/2023	6.0	30,997	24.0	337,654
02/11/2023	0.0	0	24.0	337,745
02/12/2023	0.0	0	24.0	337,745
02/13/2023	0.0	0	24.0	337,587
02/14/2023	6.0	30,980	24.0	337,538
02/15/2023	0.0	0	24.0	337,418
02/16/2023	6.0	30,937	24.0	337,418
02/17/2023	6.0	30,937	24.0	337,108
02/18/2023	0.0	0	24.0	337,577
02/19/2023	0.0	0	24.0	337,013
02/20/2023	0.0	0	24.0	336,978
02/21/2023	6.0	30,925	24.0	336,927
02/22/2023	6.0	30,925	24.0	336,988
02/23/2023	6.0	30,892	24.0	336,949
02/24/2023	6.0	30,892	24.0	336,554
02/25/2023	0.0	0	24.0	336,572
02/26/2023	0.0	0	24.0	336,900
02/27/2023	0.0	0	24.0	336,972
02/28/2023	6.0	30,949	24.0	336,972
Totals:	**82.0**	**420,122**	**672.0**	**9,450,202**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/01/2023 12:00 AM				
02/01/2023 01:00 AM				
02/01/2023 02:00 AM				
02/01/2023 03:00 AM				
02/01/2023 04:00 AM				
02/01/2023 05:00 AM				
02/01/2023 06:00 AM				
02/01/2023 07:00 AM				
02/01/2023 08:00 AM				
02/01/2023 09:00 AM				
02/01/2023 10:00 AM	0.0	196.3	411.5	411.5
02/01/2023 11:00 AM	0.0	196.3	411.5	411.5
02/01/2023 12:00 PM	0.0	196.3	411.5	411.5
02/01/2023 01:00 PM	0.0	196.3	411.5	411.5
02/01/2023 02:00 PM	0.0	196.3	411.5	411.5
02/01/2023 03:00 PM	0.0	196.3	411.5	411.5
02/01/2023 04:00 PM	0.0	196.3	411.5	411.5
02/01/2023 05:00 PM	0.0	196.3	411.5	411.5
02/01/2023 06:00 PM	0.0	196.3	411.5	411.5
02/01/2023 07:00 PM	0.0	196.3	411.5	411.5
02/01/2023 08:00 PM	0.0	196.4	411.5	411.5
02/01/2023 09:00 PM	0.0	196.4	411.5	411.5
02/01/2023 10:00 PM	0.0	196.4	411.5	411.5
02/01/2023 11:00 PM	0.0	196.4	411.5	411.5
02/02/2023 12:00 AM				
02/02/2023 01:00 AM				
02/02/2023 02:00 AM				
02/02/2023 03:00 AM				
02/02/2023 04:00 AM				
02/02/2023 05:00 AM				
02/02/2023 06:00 AM				
02/02/2023 07:00 AM				
02/02/2023 08:00 AM				
02/02/2023 09:00 AM				
02/02/2023 10:00 AM	23.8	197.2	411.5	411.5
02/02/2023 11:00 AM	115.4	196.8	411.5	411.5
02/02/2023 12:00 PM	204.3	196.7	411.5	411.5
02/02/2023 01:00 PM	204.5	196.7	411.5	411.5
02/02/2023 02:00 PM	204.6	196.7	411.5	411.5
02/02/2023 03:00 PM	17.1	197.4	411.5	411.5
02/02/2023 04:00 PM	0.0	197.0	411.5	411.5
02/02/2023 05:00 PM	0.0	196.8	411.5	411.5
02/02/2023 06:00 PM	0.0	196.8	411.5	411.5
02/02/2023 07:00 PM	0.0	196.8	411.5	411.5
02/02/2023 08:00 PM	0.0	196.8	411.5	411.5
02/02/2023 09:00 PM	0.0	196.8	411.5	411.5
02/02/2023 10:00 PM	0.0	196.8	411.5	411.5
02/02/2023 11:00 PM	0.0	196.8	411.5	411.5
02/03/2023 12:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/03/2023 01:00 AM				
02/03/2023 02:00 AM				
02/03/2023 03:00 AM				
02/03/2023 04:00 AM				
02/03/2023 05:00 AM				
02/03/2023 06:00 AM				
02/03/2023 07:00 AM				
02/03/2023 08:00 AM				
02/03/2023 09:00 AM				
02/03/2023 10:00 AM	0.0	196.7	411.5	411.5
02/03/2023 11:00 AM	0.0	196.7	411.5	411.5
02/03/2023 12:00 PM	0.0	196.7	411.5	411.5
02/03/2023 01:00 PM	0.0	196.7	411.5	411.5
02/03/2023 02:00 PM	0.0	196.7	411.5	411.5
02/03/2023 03:00 PM	0.0	196.6	411.5	411.5
02/03/2023 04:00 PM	0.0	196.6	411.5	411.5
02/03/2023 05:00 PM	0.0	196.6	411.5	411.5
02/03/2023 06:00 PM	0.0	196.6	411.5	411.5
02/03/2023 07:00 PM	0.0	196.6	411.5	411.5
02/03/2023 08:00 PM	0.0	196.6	411.5	411.5
02/03/2023 09:00 PM	0.0	196.6	411.5	411.5
02/03/2023 10:00 PM	0.0	196.6	411.5	411.5
02/03/2023 11:00 PM	0.0	196.6	411.5	411.5
02/04/2023 12:00 AM				
02/04/2023 01:00 AM				
02/04/2023 02:00 AM				
02/04/2023 03:00 AM				
02/04/2023 04:00 AM				
02/04/2023 05:00 AM				
02/04/2023 06:00 AM				
02/04/2023 07:00 AM				
02/04/2023 08:00 AM				
02/04/2023 09:00 AM				
02/04/2023 10:00 AM	0.0	196.5	411.5	411.5
02/04/2023 11:00 AM	0.0	196.5	411.5	411.5
02/04/2023 12:00 PM	0.0	196.5	411.5	411.5
02/04/2023 01:00 PM	0.0	196.5	411.5	411.5
02/04/2023 02:00 PM	0.0	196.5	411.5	411.5
02/04/2023 03:00 PM	0.0	196.4	411.5	411.5
02/04/2023 04:00 PM	0.0	196.4	411.5	411.5
02/04/2023 05:00 PM	0.0	196.4	411.5	411.5
02/04/2023 06:00 PM	0.0	196.4	411.5	411.5
02/04/2023 07:00 PM	0.0	196.4	411.5	411.5
02/04/2023 08:00 PM	0.0	196.5	411.5	411.5
02/04/2023 09:00 PM	0.0	196.5	411.5	411.5
02/04/2023 10:00 PM	0.0	196.5	411.5	411.5
02/04/2023 11:00 PM	0.0	196.5	411.5	411.5
02/05/2023 12:00 AM				
02/05/2023 01:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/05/2023 02:00 AM				
02/05/2023 03:00 AM				
02/05/2023 04:00 AM				
02/05/2023 05:00 AM				
02/05/2023 06:00 AM				
02/05/2023 07:00 AM				
02/05/2023 08:00 AM				
02/05/2023 09:00 AM				
02/05/2023 10:00 AM	0.0	196.4	411.5	411.5
02/05/2023 11:00 AM	0.0	196.4	411.5	411.5
02/05/2023 12:00 PM	0.0	196.4	411.5	411.5
02/05/2023 01:00 PM	0.0	196.4	411.5	411.5
02/05/2023 02:00 PM	0.0	196.4	411.5	411.5
02/05/2023 03:00 PM	0.0	196.3	411.5	411.5
02/05/2023 04:00 PM	0.0	196.3	411.5	411.5
02/05/2023 05:00 PM	0.0	196.3	411.5	411.5
02/05/2023 06:00 PM	0.0	196.3	411.5	411.5
02/05/2023 07:00 PM	0.0	196.3	411.5	411.5
02/05/2023 08:00 PM	0.0	196.3	411.5	411.5
02/05/2023 09:00 PM	0.0	196.3	411.5	411.5
02/05/2023 10:00 PM	0.0	196.3	411.5	411.5
02/05/2023 11:00 PM	0.0	196.3	411.5	411.5
02/06/2023 12:00 AM				
02/06/2023 01:00 AM				
02/06/2023 02:00 AM				
02/06/2023 03:00 AM				
02/06/2023 04:00 AM				
02/06/2023 05:00 AM				
02/06/2023 06:00 AM				
02/06/2023 07:00 AM				
02/06/2023 08:00 AM				
02/06/2023 09:00 AM				
02/06/2023 10:00 AM	0.0	196.2	411.5	411.5
02/06/2023 11:00 AM	0.0	196.2	411.5	411.5
02/06/2023 12:00 PM	0.0	196.2	411.5	411.5
02/06/2023 01:00 PM	0.0	196.2	411.5	411.5
02/06/2023 02:00 PM	0.0	196.2	411.5	411.5
02/06/2023 03:00 PM	0.0	196.1	411.5	411.5
02/06/2023 04:00 PM	0.0	196.1	411.5	411.5
02/06/2023 05:00 PM	0.0	196.1	411.5	411.5
02/06/2023 06:00 PM	0.0	196.1	411.5	411.5
02/06/2023 07:00 PM	0.0	196.1	411.5	411.5
02/06/2023 08:00 PM	0.0	196.2	411.5	411.5
02/06/2023 09:00 PM	0.0	196.2	411.5	411.5
02/06/2023 10:00 PM	0.0	196.2	411.5	411.5
02/06/2023 11:00 PM	0.0	196.2	411.5	411.5
02/07/2023 12:00 AM				
02/07/2023 01:00 AM				
02/07/2023 02:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/07/2023 03:00 AM				
02/07/2023 04:00 AM				
02/07/2023 05:00 AM				
02/07/2023 06:00 AM				
02/07/2023 07:00 AM				
02/07/2023 08:00 AM				
02/07/2023 09:00 AM				
02/07/2023 10:00 AM	204.2	196.3	411.5	411.5
02/07/2023 11:00 AM	204.4	196.3	411.5	411.5
02/07/2023 12:00 PM	204.5	196.3	411.5	411.5
02/07/2023 01:00 PM	204.6	196.3	411.5	411.5
02/07/2023 02:00 PM	204.7	196.3	411.5	411.5
02/07/2023 03:00 PM	17.1	197.4	411.5	411.5
02/07/2023 04:00 PM	0.0	197.0	411.5	411.5
02/07/2023 05:00 PM	0.0	196.8	411.5	411.5
02/07/2023 06:00 PM	0.0	196.8	411.5	411.5
02/07/2023 07:00 PM	0.0	196.7	411.5	411.5
02/07/2023 08:00 PM	0.0	196.7	411.5	411.5
02/07/2023 09:00 PM	0.0	196.6	411.5	411.5
02/07/2023 10:00 PM	0.0	196.6	411.5	411.5
02/07/2023 11:00 PM	0.0	196.6	411.5	411.5
02/08/2023 12:00 AM				
02/08/2023 01:00 AM				
02/08/2023 02:00 AM				
02/08/2023 03:00 AM				
02/08/2023 04:00 AM				
02/08/2023 05:00 AM				
02/08/2023 06:00 AM				
02/08/2023 07:00 AM				
02/08/2023 08:00 AM				
02/08/2023 09:00 AM				
02/08/2023 10:00 AM	0.0	196.5	411.5	411.5
02/08/2023 11:00 AM	0.0	196.5	411.5	411.5
02/08/2023 12:00 PM	0.0	196.5	411.5	411.5
02/08/2023 01:00 PM	0.0	196.5	411.5	411.5
02/08/2023 02:00 PM	0.0	196.5	411.5	411.5
02/08/2023 03:00 PM	0.0	196.5	411.5	411.5
02/08/2023 04:00 PM	0.0	196.5	411.5	411.5
02/08/2023 05:00 PM	0.0	196.5	411.5	411.5
02/08/2023 06:00 PM	0.0	196.5	411.5	411.5
02/08/2023 07:00 PM	0.0	196.4	411.5	411.5
02/08/2023 08:00 PM	0.0	196.4	411.5	411.5
02/08/2023 09:00 PM	0.0	196.4	411.5	411.5
02/08/2023 10:00 PM	0.0	196.4	411.5	411.5
02/08/2023 11:00 PM	0.0	196.5	411.5	411.5
02/09/2023 12:00 AM				
02/09/2023 01:00 AM				
02/09/2023 02:00 AM				
02/09/2023 03:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/09/2023 04:00 AM				
02/09/2023 05:00 AM				
02/09/2023 06:00 AM				
02/09/2023 07:00 AM				
02/09/2023 08:00 AM				
02/09/2023 09:00 AM				
02/09/2023 10:00 AM	204.3	196.5	411.5	411.5
02/09/2023 11:00 AM	204.5	196.5	411.5	411.5
02/09/2023 12:00 PM	204.6	196.5	411.5	411.5
02/09/2023 01:00 PM	204.7	196.5	411.5	411.5
02/09/2023 02:00 PM	204.8	196.5	411.5	411.5
02/09/2023 03:00 PM	47.8	197.2	411.5	411.5
02/09/2023 04:00 PM	0.0	197.0	411.5	411.5
02/09/2023 05:00 PM	0.0	196.9	411.5	411.5
02/09/2023 06:00 PM	0.0	196.8	411.5	411.5
02/09/2023 07:00 PM	0.0	196.8	411.5	411.5
02/09/2023 08:00 PM	0.0	196.7	411.5	411.5
02/09/2023 09:00 PM	0.0	196.7	411.5	411.5
02/09/2023 10:00 PM	0.0	196.7	411.5	411.5
02/09/2023 11:00 PM	0.0	196.7	411.5	411.5
02/10/2023 12:00 AM				
02/10/2023 01:00 AM				
02/10/2023 02:00 AM				
02/10/2023 03:00 AM				
02/10/2023 04:00 AM				
02/10/2023 05:00 AM				
02/10/2023 06:00 AM				
02/10/2023 07:00 AM				
02/10/2023 08:00 AM				
02/10/2023 09:00 AM				
02/10/2023 10:00 AM	0.0	196.9	411.5	411.5
02/10/2023 11:00 AM	0.0	196.9	411.5	411.5
02/10/2023 12:00 PM	0.0	196.9	411.5	411.5
02/10/2023 01:00 PM	0.0	196.8	411.5	411.5
02/10/2023 02:00 PM	0.0	196.8	411.5	411.5
02/10/2023 03:00 PM	0.0	196.8	411.5	411.5
02/10/2023 04:00 PM	0.0	196.8	411.5	411.5
02/10/2023 05:00 PM	0.0	196.7	411.5	411.5
02/10/2023 06:00 PM	0.0	196.7	411.5	411.5
02/10/2023 07:00 PM	0.0	196.7	411.5	411.5
02/10/2023 08:00 PM	0.0	196.7	411.5	411.5
02/10/2023 09:00 PM	0.0	196.7	411.5	411.5
02/10/2023 10:00 PM	0.0	196.7	411.5	411.5
02/10/2023 11:00 PM	0.0	196.7	411.5	411.5
02/11/2023 12:00 AM				
02/11/2023 01:00 AM				
02/11/2023 02:00 AM				
02/11/2023 03:00 AM				
02/11/2023 04:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/11/2023 05:00 AM				
02/11/2023 06:00 AM				
02/11/2023 07:00 AM				
02/11/2023 08:00 AM				
02/11/2023 09:00 AM				
02/11/2023 10:00 AM	0.0	196.6	411.5	411.5
02/11/2023 11:00 AM	0.0	196.6	411.5	411.5
02/11/2023 12:00 PM	0.0	196.6	411.5	411.5
02/11/2023 01:00 PM	0.0	196.5	411.5	411.5
02/11/2023 02:00 PM	0.0	196.5	411.5	411.5
02/11/2023 03:00 PM	0.0	196.5	411.5	411.5
02/11/2023 04:00 PM	0.0	196.5	411.5	411.5
02/11/2023 05:00 PM	0.0	196.5	411.5	411.5
02/11/2023 06:00 PM	0.0	196.5	411.5	411.5
02/11/2023 07:00 PM	0.0	196.5	411.5	411.5
02/11/2023 08:00 PM	0.0	196.5	411.5	411.5
02/11/2023 09:00 PM	0.0	196.4	411.5	411.5
02/11/2023 10:00 PM	0.0	196.4	411.5	411.5
02/11/2023 11:00 PM	0.0	196.4	411.5	411.5
02/12/2023 12:00 AM				
02/12/2023 01:00 AM				
02/12/2023 02:00 AM				
02/12/2023 03:00 AM				
02/12/2023 04:00 AM				
02/12/2023 05:00 AM				
02/12/2023 06:00 AM				
02/12/2023 07:00 AM				
02/12/2023 08:00 AM				
02/12/2023 09:00 AM				
02/12/2023 10:00 AM	0.0	196.4	411.5	411.5
02/12/2023 11:00 AM	0.0	196.4	411.5	411.5
02/12/2023 12:00 PM	0.0	196.4	411.5	411.5
02/12/2023 01:00 PM	0.0	196.4	411.5	411.5
02/12/2023 02:00 PM	0.0	196.4	411.5	411.5
02/12/2023 03:00 PM	0.0	196.4	411.5	411.5
02/12/2023 04:00 PM	0.0	196.3	411.5	411.5
02/12/2023 05:00 PM	0.0	196.3	411.5	411.5
02/12/2023 06:00 PM	0.0	196.3	411.5	411.5
02/12/2023 07:00 PM	0.0	196.3	411.5	411.5
02/12/2023 08:00 PM	0.0	196.3	411.5	411.5
02/12/2023 09:00 PM	0.0	196.3	411.5	411.5
02/12/2023 10:00 PM	0.0	196.3	411.5	411.5
02/12/2023 11:00 PM	0.0	196.3	411.5	411.5
02/13/2023 12:00 AM	0.0	196.3	411.5	411.5
02/13/2023 01:00 AM	0.0	196.3	411.5	411.5
02/13/2023 02:00 AM	0.0	196.3	411.5	411.5
02/13/2023 03:00 AM	0.0	196.3	411.5	411.5
02/13/2023 04:00 AM	0.0	196.3	411.5	411.5
02/13/2023 05:00 AM	0.0	196.3	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/13/2023 06:00 AM	0.0	196.2	411.5	411.5
02/13/2023 07:00 AM	0.0	196.2	411.5	411.5
02/13/2023 08:00 AM	0.0	196.2	411.5	411.5
02/13/2023 09:00 AM			411.5	411.5
02/13/2023 10:00 AM	0.0	196.2	411.5	411.5
02/13/2023 11:00 AM	0.0	196.2	411.5	411.5
02/13/2023 12:00 PM	0.0	196.2	411.5	411.5
02/13/2023 01:00 PM	0.0	196.2	411.5	411.5
02/13/2023 02:00 PM	0.0	196.2	411.5	411.5
02/13/2023 03:00 PM	0.0	196.2	411.5	411.5
02/13/2023 04:00 PM	0.0	196.2	411.5	411.5
02/13/2023 05:00 PM	0.0	196.2	411.5	411.5
02/13/2023 06:00 PM	0.0	196.2	411.5	411.5
02/13/2023 07:00 PM	0.0	196.2	411.5	411.5
02/13/2023 08:00 PM	0.0	196.2	411.5	411.5
02/13/2023 09:00 PM	0.0	196.2	411.5	411.5
02/13/2023 10:00 PM	0.0	196.2	411.5	411.5
02/13/2023 11:00 PM	0.0	196.2	411.5	411.5
02/14/2023 12:00 AM	0.0	196.2	411.5	411.5
02/14/2023 01:00 AM	0.0	196.2	411.5	411.5
02/14/2023 02:00 AM	0.0	196.2	411.5	411.5
02/14/2023 03:00 AM	0.0	196.2	411.5	411.5
02/14/2023 04:00 AM	0.0	196.2	411.5	411.5
02/14/2023 05:00 AM	0.0	196.2	411.5	411.5
02/14/2023 06:00 AM	0.0	196.2	411.5	411.5
02/14/2023 07:00 AM	0.0	196.2	411.5	411.5
02/14/2023 08:00 AM	0.0	196.2	411.5	411.5
02/14/2023 09:00 AM	186.4	196.2	411.5	411.5
02/14/2023 10:00 AM	204.0	196.2	411.5	411.5
02/14/2023 11:00 AM	204.2	196.2	411.5	411.5
02/14/2023 12:00 PM	204.3	196.2	411.5	411.5
02/14/2023 01:00 PM	204.4	196.2	411.5	411.5
02/14/2023 02:00 PM	204.5	196.2	411.5	411.5
02/14/2023 03:00 PM	10.2	197.3	411.5	411.5
02/14/2023 04:00 PM	0.0	196.7	411.5	411.5
02/14/2023 05:00 PM	0.0	196.6	411.5	411.5
02/14/2023 06:00 PM	0.0	196.5	411.5	411.5
02/14/2023 07:00 PM	0.0	196.4	411.5	411.5
02/14/2023 08:00 PM	0.0	196.4	411.5	411.5
02/14/2023 09:00 PM	0.0	196.4	411.5	411.5
02/14/2023 10:00 PM	0.0	196.4	411.5	411.5
02/14/2023 11:00 PM	0.0	196.3	411.5	411.5
02/15/2023 12:00 AM	0.0	196.3	411.5	411.5
02/15/2023 01:00 AM	0.0	196.3	411.5	411.5
02/15/2023 02:00 AM	0.0	196.3	411.5	411.5
02/15/2023 03:00 AM	0.0	196.2	411.5	411.5
02/15/2023 04:00 AM	0.0	196.2	411.5	411.5
02/15/2023 05:00 AM	0.0	196.2	411.5	411.5
02/15/2023 06:00 AM	0.0	196.2	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/15/2023 07:00 AM	0.0	196.2	411.5	411.5
02/15/2023 08:00 AM	0.0	196.3	411.5	411.5
02/15/2023 09:00 AM	0.0	196.3	411.5	411.5
02/15/2023 10:00 AM	0.0	196.3	411.5	411.5
02/15/2023 11:00 AM	0.0	196.3	411.5	411.5
02/15/2023 12:00 PM	0.0	196.3	411.5	411.5
02/15/2023 01:00 PM	0.0	196.3	411.5	411.5
02/15/2023 02:00 PM	0.0	196.3	411.5	411.5
02/15/2023 03:00 PM	0.0	196.3	411.5	411.5
02/15/2023 04:00 PM	0.0	196.3	411.5	411.5
02/15/2023 05:00 PM	0.0	196.4	411.5	411.5
02/15/2023 06:00 PM	0.0	196.4	411.5	411.5
02/15/2023 07:00 PM	0.0	196.4	411.5	411.5
02/15/2023 08:00 PM	0.0	196.4	411.5	411.5
02/15/2023 09:00 PM	0.0	196.4	411.5	411.5
02/15/2023 10:00 PM	0.0	196.4	411.5	411.5
02/15/2023 11:00 PM	0.0	196.4	411.5	411.5
02/16/2023 12:00 AM	0.0	196.4	411.5	411.5
02/16/2023 01:00 AM	0.0	196.4	411.5	411.5
02/16/2023 02:00 AM	0.0	196.4	411.5	411.5
02/16/2023 03:00 AM	0.0	196.4	411.5	411.5
02/16/2023 04:00 AM	0.0	196.4	411.5	411.5
02/16/2023 05:00 AM	0.0	196.4	411.5	411.5
02/16/2023 06:00 AM	0.0	196.4	411.5	411.5
02/16/2023 07:00 AM	0.0	196.4	411.5	411.5
02/16/2023 08:00 AM	0.0	196.4	411.5	411.5
02/16/2023 09:00 AM	166.4	196.5	411.5	411.5
02/16/2023 10:00 AM	204.2	196.5	411.5	411.5
02/16/2023 11:00 AM	204.4	196.5	411.5	411.5
02/16/2023 12:00 PM	204.5	196.5	411.5	411.5
02/16/2023 01:00 PM	204.5	196.5	411.5	411.5
02/16/2023 02:00 PM	204.6	196.5	411.5	411.5
02/16/2023 03:00 PM	10.2	197.7	411.5	411.5
02/16/2023 04:00 PM	0.0	197.0	411.5	411.5
02/16/2023 05:00 PM	0.0	196.8	411.5	411.5
02/16/2023 06:00 PM	0.0	196.8	411.5	411.5
02/16/2023 07:00 PM	0.0	196.7	411.5	411.5
02/16/2023 08:00 PM	0.0	196.7	411.5	411.5
02/16/2023 09:00 PM	0.0	196.7	411.5	411.5
02/16/2023 10:00 PM	0.0	196.7	411.5	411.5
02/16/2023 11:00 PM	0.0	196.7	411.5	411.5
02/17/2023 12:00 AM	0.0	196.7	411.5	411.5
02/17/2023 01:00 AM	0.0	196.8	411.5	411.5
02/17/2023 02:00 AM	0.0	196.8	411.5	411.5
02/17/2023 03:00 AM	0.0	196.8	411.5	411.5
02/17/2023 04:00 AM	0.0	196.9	411.5	411.5
02/17/2023 05:00 AM	0.0	196.9	411.5	411.5
02/17/2023 06:00 AM	0.0	196.8	411.5	411.5
02/17/2023 07:00 AM	0.0	196.8	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/17/2023 08:00 AM	0.0	196.8	411.5	411.5
02/17/2023 09:00 AM	0.0	196.8	411.5	411.5
02/17/2023 10:00 AM	0.0	196.8	411.5	411.5
02/17/2023 11:00 AM	0.0	196.8	411.5	411.5
02/17/2023 12:00 PM	0.0	196.8	411.5	411.5
02/17/2023 01:00 PM	0.0	196.7	411.5	411.5
02/17/2023 02:00 PM	0.0	196.7	411.5	411.5
02/17/2023 03:00 PM	0.0	196.7	411.5	411.5
02/17/2023 04:00 PM	0.0	196.7	411.5	411.5
02/17/2023 05:00 PM	0.0	196.6	411.5	411.5
02/17/2023 06:00 PM	0.0	196.6	411.5	411.5
02/17/2023 07:00 PM	0.0	196.6	411.5	411.5
02/17/2023 08:00 PM	0.0	196.6	411.5	411.5
02/17/2023 09:00 PM	0.0	196.6	411.5	411.5
02/17/2023 10:00 PM	0.0	196.6	411.5	411.5
02/17/2023 11:00 PM	0.0	196.6	411.5	411.5
02/18/2023 12:00 AM	0.0	196.6	411.5	411.5
02/18/2023 01:00 AM	0.0	196.6	411.5	411.5
02/18/2023 02:00 AM	0.0	196.6	411.5	411.5
02/18/2023 03:00 AM	0.0	196.5	411.5	411.5
02/18/2023 04:00 AM	0.0	196.5	411.5	411.5
02/18/2023 05:00 AM	0.0	196.5	411.5	411.5
02/18/2023 06:00 AM	0.0	196.5	411.5	411.5
02/18/2023 07:00 AM	0.0	196.5	411.5	411.5
02/18/2023 08:00 AM	0.0	196.5	411.5	411.5
02/18/2023 09:00 AM	0.0	196.5	411.5	411.5
02/18/2023 10:00 AM	0.0	196.5	411.5	411.5
02/18/2023 11:00 AM	0.0	196.5	411.5	411.5
02/18/2023 12:00 PM	0.0	196.5	411.5	411.5
02/18/2023 01:00 PM	0.0	196.5	411.5	411.5
02/18/2023 02:00 PM	0.0	196.5	411.5	411.5
02/18/2023 03:00 PM	0.0	196.4	411.5	411.5
02/18/2023 04:00 PM	0.0	196.4	411.5	411.5
02/18/2023 05:00 PM	0.0	196.4	411.5	411.5
02/18/2023 06:00 PM	0.0	196.4	411.5	411.5
02/18/2023 07:00 PM	0.0	196.4	411.5	411.5
02/18/2023 08:00 PM	0.0	196.5	411.5	411.5
02/18/2023 09:00 PM	0.0	196.5	411.5	411.5
02/18/2023 10:00 PM	0.0	196.5	411.5	411.5
02/18/2023 11:00 PM	0.0	196.5	411.5	411.5
02/19/2023 12:00 AM	0.0	196.5	411.5	411.5
02/19/2023 01:00 AM	0.0	196.5	411.5	411.5
02/19/2023 02:00 AM	0.0	196.4	411.5	411.5
02/19/2023 03:00 AM	0.0	196.4	411.5	411.5
02/19/2023 04:00 AM	0.0	196.4	411.5	411.5
02/19/2023 05:00 AM	0.0	196.4	411.5	411.5
02/19/2023 06:00 AM	0.0	196.4	411.5	411.5
02/19/2023 07:00 AM	0.0	196.4	411.5	411.5
02/19/2023 08:00 AM	0.0	196.4	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/19/2023 09:00 AM	0.0	196.4	411.5	411.5
02/19/2023 10:00 AM	0.0	196.5	411.5	411.5
02/19/2023 11:00 AM	0.0	196.5	411.5	411.5
02/19/2023 12:00 PM	0.0	196.4	411.5	411.5
02/19/2023 01:00 PM	0.0	196.4	411.5	411.5
02/19/2023 02:00 PM	0.0	196.4	411.5	411.5
02/19/2023 03:00 PM	0.0	196.4	411.5	411.5
02/19/2023 04:00 PM	0.0	196.4	411.5	411.5
02/19/2023 05:00 PM	0.0	196.4	411.5	411.5
02/19/2023 06:00 PM	0.0	196.4	411.5	411.5
02/19/2023 07:00 PM	0.0	196.4	411.5	411.5
02/19/2023 08:00 PM	0.0	196.4	411.5	411.5
02/19/2023 09:00 PM	0.0	196.4	411.5	411.5
02/19/2023 10:00 PM	0.0	196.5	411.5	411.5
02/19/2023 11:00 PM	0.0	196.5	411.5	411.5
02/20/2023 12:00 AM	0.0	196.4	411.5	411.5
02/20/2023 01:00 AM	0.0	196.4	411.5	411.5
02/20/2023 02:00 AM	0.0	196.4	411.5	411.5
02/20/2023 03:00 AM	0.0	196.4	411.5	411.5
02/20/2023 04:00 AM	0.0	196.4	411.5	411.5
02/20/2023 05:00 AM	0.0	196.4	411.5	411.5
02/20/2023 06:00 AM	0.0	196.3	411.5	411.5
02/20/2023 07:00 AM	0.0	196.3	411.5	411.5
02/20/2023 08:00 AM	0.0	196.4	411.5	411.5
02/20/2023 09:00 AM	0.0	196.4	411.5	411.5
02/20/2023 10:00 AM	0.0	196.4	411.5	411.5
02/20/2023 11:00 AM	0.0	196.4	411.5	411.5
02/20/2023 12:00 PM	0.0	196.4	411.5	411.5
02/20/2023 01:00 PM	0.0	196.3	411.5	411.5
02/20/2023 02:00 PM	0.0	196.3	411.5	411.5
02/20/2023 03:00 PM	0.0	196.3	411.5	411.5
02/20/2023 04:00 PM	0.0	196.3	411.5	411.5
02/20/2023 05:00 PM	0.0	196.3	411.5	411.5
02/20/2023 06:00 PM	0.0	196.3	411.5	411.5
02/20/2023 07:00 PM	0.0	196.3	411.5	411.5
02/20/2023 08:00 PM	0.0	196.3	411.5	411.5
02/20/2023 09:00 PM	0.0	196.3	411.5	411.5
02/20/2023 10:00 PM	0.0	196.3	411.5	411.5
02/20/2023 11:00 PM	0.0	196.3	411.5	411.5
02/21/2023 12:00 AM	0.0	196.3	411.5	411.5
02/21/2023 01:00 AM	0.0	196.3	411.5	411.5
02/21/2023 02:00 AM	0.0	196.3	411.5	411.5
02/21/2023 03:00 AM	0.0	196.2	411.5	411.5
02/21/2023 04:00 AM	0.0	196.2	411.5	411.5
02/21/2023 05:00 AM	0.0	196.2	411.5	411.5
02/21/2023 06:00 AM	0.0	196.2	411.5	411.5
02/21/2023 07:00 AM	0.0	196.2	411.5	411.5
02/21/2023 08:00 AM	0.0	196.2	411.5	411.5
02/21/2023 09:00 AM	186.5	196.2	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/21/2023 10:00 AM	204.0	196.2	411.5	411.5
02/21/2023 11:00 AM	204.2	196.2	411.5	411.5
02/21/2023 12:00 PM	204.3	196.2	411.5	411.5
02/21/2023 01:00 PM	204.4	196.2	411.5	411.5
02/21/2023 02:00 PM	204.4	196.2	411.5	411.5
02/21/2023 03:00 PM	10.2	197.2	411.5	411.5
02/21/2023 04:00 PM	0.0	196.6	411.5	411.5
02/21/2023 05:00 PM	0.0	196.5	411.5	411.5
02/21/2023 06:00 PM	0.0	196.4	411.5	411.5
02/21/2023 07:00 PM	0.0	196.3	411.5	411.5
02/21/2023 08:00 PM	0.0	196.3	411.5	411.5
02/21/2023 09:00 PM	0.0	196.3	411.5	411.5
02/21/2023 10:00 PM	0.0	196.3	411.5	411.5
02/21/2023 11:00 PM	0.0	196.3	411.5	411.5
02/22/2023 12:00 AM	0.0	196.3	411.5	411.5
02/22/2023 01:00 AM	0.0	196.3	411.5	411.5
02/22/2023 02:00 AM	0.0	196.3	411.5	411.5
02/22/2023 03:00 AM	0.0	196.3	411.5	411.5
02/22/2023 04:00 AM	0.0	196.2	411.5	411.5
02/22/2023 05:00 AM	0.0	196.2	411.5	411.5
02/22/2023 06:00 AM	0.0	196.2	411.5	411.5
02/22/2023 07:00 AM	0.0	196.2	411.5	411.5
02/22/2023 08:00 AM	0.0	196.2	411.5	411.5
02/22/2023 09:00 AM	0.0	196.2	411.5	411.5
02/22/2023 10:00 AM	0.0	196.2	411.5	411.5
02/22/2023 11:00 AM	0.0	196.2	411.5	411.5
02/22/2023 12:00 PM	0.0	196.2	411.5	411.5
02/22/2023 01:00 PM	0.0	196.2	411.5	411.5
02/22/2023 02:00 PM	0.0	196.2	411.5	411.5
02/22/2023 03:00 PM	0.0	196.2	411.5	411.5
02/22/2023 04:00 PM	0.0	196.2	411.5	411.5
02/22/2023 05:00 PM	0.0	196.2	411.5	411.5
02/22/2023 06:00 PM	0.0	196.3	411.5	411.5
02/22/2023 07:00 PM	0.0	196.3	411.5	411.5
02/22/2023 08:00 PM	0.0	196.3	411.5	411.5
02/22/2023 09:00 PM	0.0	196.3	411.5	411.5
02/22/2023 10:00 PM	0.0	196.3	411.5	411.5
02/22/2023 11:00 PM	0.0	196.3	411.5	411.5
02/23/2023 12:00 AM	0.0	196.4	411.5	411.5
02/23/2023 01:00 AM	0.0	196.4	411.5	411.5
02/23/2023 02:00 AM	0.0	196.5	411.5	411.5
02/23/2023 03:00 AM	0.0	196.5	411.5	411.5
02/23/2023 04:00 AM	0.0	196.5	411.5	411.5
02/23/2023 05:00 AM	0.0	196.5	411.5	411.5
02/23/2023 06:00 AM	0.0	196.5	411.5	411.5
02/23/2023 07:00 AM	0.0	196.5	411.5	411.5
02/23/2023 08:00 AM	0.0	196.5	411.5	411.5
02/23/2023 09:00 AM	193.4	196.5	411.5	411.5
02/23/2023 10:00 AM	204.3	196.5	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/23/2023 11:00 AM	204.5	196.5	411.5	411.5
02/23/2023 12:00 PM	204.6	196.5	411.5	411.5
02/23/2023 01:00 PM	204.6	196.5	411.5	411.5
02/23/2023 02:00 PM	204.7	196.5	411.5	411.5
02/23/2023 03:00 PM	13.6	197.5	411.5	411.5
02/23/2023 04:00 PM	0.0	197.0	411.5	411.5
02/23/2023 05:00 PM	0.0	196.8	411.5	411.5
02/23/2023 06:00 PM	0.0	196.7	411.5	411.5
02/23/2023 07:00 PM	0.0	196.7	411.5	411.5
02/23/2023 08:00 PM	0.0	196.7	411.5	411.5
02/23/2023 09:00 PM	0.0	196.6	411.5	411.5
02/23/2023 10:00 PM	0.0	196.6	411.5	411.5
02/23/2023 11:00 PM	0.0	196.6	411.5	411.5
02/24/2023 12:00 AM	0.0	196.7	411.5	411.5
02/24/2023 01:00 AM	0.0	196.7	411.5	411.5
02/24/2023 02:00 AM	0.0	196.8	411.5	411.5
02/24/2023 03:00 AM	0.0	196.8	411.5	411.5
02/24/2023 04:00 AM	0.0	196.9	411.5	411.5
02/24/2023 05:00 AM	0.0	196.9	411.5	411.5
02/24/2023 06:00 AM	0.0	196.8	411.5	411.5
02/24/2023 07:00 AM	0.0	196.8	411.5	411.5
02/24/2023 08:00 AM	0.0	196.8	411.5	411.5
02/24/2023 09:00 AM	0.0	196.8	411.5	411.5
02/24/2023 10:00 AM	0.0	196.8	411.5	411.5
02/24/2023 11:00 AM	0.0	196.8	411.5	411.5
02/24/2023 12:00 PM	0.0	196.7	411.5	411.5
02/24/2023 01:00 PM	0.0	196.7	411.5	411.5
02/24/2023 02:00 PM	0.0	196.7	411.5	411.5
02/24/2023 03:00 PM	0.0	196.7	411.5	411.5
02/24/2023 04:00 PM	0.0	196.7	411.5	411.5
02/24/2023 05:00 PM	0.0	196.7	411.5	411.5
02/24/2023 06:00 PM	0.0	196.7	411.5	411.5
02/24/2023 07:00 PM	0.0	196.6	411.5	411.5
02/24/2023 08:00 PM	0.0	196.6	411.5	411.5
02/24/2023 09:00 PM	0.0	196.6	411.5	411.5
02/24/2023 10:00 PM	0.0	196.6	411.5	411.5
02/24/2023 11:00 PM	0.0	196.6	411.5	411.5
02/25/2023 12:00 AM	0.0	196.6	411.5	411.5
02/25/2023 01:00 AM	0.0	196.6	411.5	411.5
02/25/2023 02:00 AM	0.0	196.6	411.5	411.5
02/25/2023 03:00 AM	0.0	196.6	411.5	411.5
02/25/2023 04:00 AM	0.0	196.6	411.5	411.5
02/25/2023 05:00 AM	0.0	196.6	411.5	411.5
02/25/2023 06:00 AM	0.0	196.6	411.5	411.5
02/25/2023 07:00 AM	0.0	196.6	411.5	411.5
02/25/2023 08:00 AM	0.0	196.6	411.5	411.5
02/25/2023 09:00 AM	0.0	196.6	411.5	411.5
02/25/2023 10:00 AM	0.0	196.6	411.5	411.5
02/25/2023 11:00 AM	0.0	196.6	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/25/2023 12:00 PM	0.0	196.6	411.5	411.5
02/25/2023 01:00 PM	0.0	196.6	411.5	411.5
02/25/2023 02:00 PM	0.0	196.6	411.5	411.5
02/25/2023 03:00 PM	0.0	196.5	411.5	411.5
02/25/2023 04:00 PM	0.0	196.5	411.5	411.5
02/25/2023 05:00 PM	0.0	196.5	411.5	411.5
02/25/2023 06:00 PM	0.0	196.5	411.5	411.5
02/25/2023 07:00 PM	0.0	196.5	411.5	411.5
02/25/2023 08:00 PM	0.0	196.5	411.5	411.5
02/25/2023 09:00 PM	0.0	196.5	411.5	411.5
02/25/2023 10:00 PM	0.0	196.5	411.5	411.5
02/25/2023 11:00 PM	0.0	196.5	411.5	411.5
02/26/2023 12:00 AM	0.0	196.4	411.5	411.5
02/26/2023 01:00 AM	0.0	196.4	411.5	411.5
02/26/2023 02:00 AM	0.0	196.4	411.5	411.5
02/26/2023 03:00 AM	0.0	196.4	411.5	411.5
02/26/2023 04:00 AM	0.0	196.4	411.5	411.5
02/26/2023 05:00 AM	0.0	196.4	411.5	411.5
02/26/2023 06:00 AM	0.0	196.4	411.5	411.5
02/26/2023 07:00 AM	0.0	196.4	411.5	411.5
02/26/2023 08:00 AM	0.0	196.4	411.5	411.5
02/26/2023 09:00 AM	0.0	196.3	411.5	411.5
02/26/2023 10:00 AM	0.0	196.3	411.5	411.5
02/26/2023 11:00 AM	0.0	196.3	411.5	411.5
02/26/2023 12:00 PM	0.0	196.3	411.5	411.5
02/26/2023 01:00 PM	0.0	196.4	411.5	411.5
02/26/2023 02:00 PM	0.0	196.4	411.5	411.5
02/26/2023 03:00 PM	0.0	196.4	411.5	411.5
02/26/2023 04:00 PM	0.0	196.4	411.5	411.5
02/26/2023 05:00 PM	0.0	196.4	411.5	411.5
02/26/2023 06:00 PM	0.0	196.4	411.5	411.5
02/26/2023 07:00 PM	0.0	196.4	411.5	411.5
02/26/2023 08:00 PM	0.0	196.4	411.5	411.5
02/26/2023 09:00 PM	0.0	196.4	411.5	411.5
02/26/2023 10:00 PM	0.0	196.4	411.5	411.5
02/26/2023 11:00 PM	0.0	196.4	411.5	411.5
02/27/2023 12:00 AM	0.0	196.4	411.5	411.5
02/27/2023 01:00 AM	0.0	196.4	411.5	411.5
02/27/2023 02:00 AM	0.0	196.4	411.5	411.5
02/27/2023 03:00 AM	0.0	196.4	411.5	411.5
02/27/2023 04:00 AM	0.0	196.4	411.5	411.5
02/27/2023 05:00 AM	0.0	196.4	411.5	411.5
02/27/2023 06:00 AM	0.0	196.4	411.5	411.5
02/27/2023 07:00 AM	0.0	196.4	411.5	411.5
02/27/2023 08:00 AM	0.0	196.4	411.5	411.5
02/27/2023 09:00 AM	0.0	196.4	411.5	411.5
02/27/2023 10:00 AM	0.0	196.4	411.5	411.5
02/27/2023 11:00 AM	0.0	196.4	411.5	411.5
02/27/2023 12:00 PM	0.0	196.4	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
February 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
02/27/2023 01:00 PM	0.0	196.4	411.5	411.5
02/27/2023 02:00 PM	0.0	196.4	411.5	411.5
02/27/2023 03:00 PM	0.0	196.5	411.5	411.5
02/27/2023 04:00 PM	0.0	196.5	411.5	411.5
02/27/2023 05:00 PM	0.0	196.5	411.5	411.5
02/27/2023 06:00 PM	0.0	196.5	411.5	411.5
02/27/2023 07:00 PM	0.0	196.5	411.5	411.5
02/27/2023 08:00 PM	0.0	196.5	411.5	411.5
02/27/2023 09:00 PM	0.0	196.4	411.5	411.5
02/27/2023 10:00 PM	0.0	196.4	411.5	411.5
02/27/2023 11:00 PM	0.0	196.4	411.5	411.5
02/28/2023 12:00 AM	0.0	196.4	411.5	411.5
02/28/2023 01:00 AM	0.0	196.4	411.5	411.5
02/28/2023 02:00 AM	0.0	196.4	411.5	411.5
02/28/2023 03:00 AM	0.0	196.4	411.5	411.5
02/28/2023 04:00 AM	0.0	196.4	411.5	411.5
02/28/2023 05:00 AM	0.0	196.4	411.5	411.5
02/28/2023 06:00 AM	0.0	196.4	411.5	411.5
02/28/2023 07:00 AM	0.0	196.4	411.5	411.5
02/28/2023 08:00 AM	0.0	196.4	411.5	411.5
02/28/2023 09:00 AM	193.4	196.4	411.5	411.5
02/28/2023 10:00 AM	204.3	196.4	411.5	411.5
02/28/2023 11:00 AM	204.4	196.4	411.5	411.5
02/28/2023 12:00 PM	204.5	196.4	411.5	411.5
02/28/2023 01:00 PM	204.6	196.4	411.5	411.5
02/28/2023 02:00 PM	204.6	196.4	411.5	411.5
02/28/2023 03:00 PM	20.5	197.2	411.5	411.5
02/28/2023 04:00 PM	0.0	196.8	411.5	411.5
02/28/2023 05:00 PM	0.0	196.7	411.5	411.5
02/28/2023 06:00 PM	0.0	196.6	411.5	411.5
02/28/2023 07:00 PM	0.0	196.6	411.5	411.5
02/28/2023 08:00 PM	0.0	196.6	411.5	411.5
02/28/2023 09:00 PM	0.0	196.5	411.5	411.5
02/28/2023 10:00 PM	0.0	196.5	411.5	411.5
02/28/2023 11:00 PM	0.0	196.5	411.5	411.5

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/01/2023 12:00 AM	0.0	0.0	0.0
02/01/2023 01:00 AM	0.0	0.0	0.0
02/01/2023 02:00 AM	0.0	0.0	0.0
02/01/2023 03:00 AM	0.0	0.0	0.0
02/01/2023 04:00 AM	0.0	0.0	0.0
02/01/2023 05:00 AM	0.0	0.0	0.0
02/01/2023 06:00 AM	0.0	0.0	0.0
02/01/2023 07:00 AM	0.0	0.0	0.0
02/01/2023 08:00 AM	0.0	0.0	0.0
02/01/2023 09:00 AM	0.0	0.0	0.0
02/01/2023 10:00 AM	0.0	0.0	0.0
02/01/2023 11:00 AM	0.0	0.0	0.0
02/01/2023 12:00 PM	0.0	0.0	0.0
02/01/2023 01:00 PM	0.0	0.0	0.0
02/01/2023 02:00 PM	0.0	0.0	0.0
02/01/2023 03:00 PM	0.0	0.0	0.0
02/01/2023 04:00 PM	0.0	0.0	0.0
02/01/2023 05:00 PM	0.0	0.0	0.0
02/01/2023 06:00 PM	0.0	0.0	0.0
02/01/2023 07:00 PM	0.0	0.0	0.0
02/01/2023 08:00 PM	0.0	0.0	0.0
02/01/2023 09:00 PM	0.0	0.0	0.0
02/01/2023 10:00 PM	0.0	0.0	0.0
02/01/2023 11:00 PM	0.0	0.0	0.0
02/02/2023 12:00 AM	0.0	0.0	0.0
02/02/2023 01:00 AM	0.0	0.0	0.0
02/02/2023 02:00 AM	0.0	0.0	0.0
02/02/2023 03:00 AM	0.0	0.0	0.0
02/02/2023 04:00 AM	0.0	0.0	0.0
02/02/2023 05:00 AM	0.0	0.0	0.0
02/02/2023 06:00 AM	0.0	0.0	0.0
02/02/2023 07:00 AM	0.0	0.0	0.0
02/02/2023 08:00 AM	0.0	0.0	0.0
02/02/2023 09:00 AM	1,999.2	0.0	1,783.5
02/02/2023 10:00 AM	1,956.1	0.0	226.6
02/02/2023 11:00 AM	1,998.9	0.0	1,083.1
02/02/2023 12:00 PM	1,846.4	1,713.5	1,770.0
02/02/2023 01:00 PM	1,713.5	1,604.4	1,657.1
02/02/2023 02:00 PM	1,613.9	1,535.2	1,581.6
02/02/2023 03:00 PM	1,535.2	0.0	128.1
02/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/02/2023 05:00 PM	0.0	0.0	0.0
02/02/2023 06:00 PM	0.0	0.0	0.0
02/02/2023 07:00 PM	0.0	0.0	0.0
02/02/2023 08:00 PM	0.0	0.0	0.0
02/02/2023 09:00 PM	0.0	0.0	0.0
02/02/2023 10:00 PM	0.0	0.0	0.0
02/02/2023 11:00 PM	0.0	0.0	0.0
02/03/2023 12:00 AM	0.0	0.0	0.0
02/03/2023 01:00 AM	0.0	0.0	0.0
02/03/2023 02:00 AM	0.0	0.0	0.0
02/03/2023 03:00 AM	0.0	0.0	0.0
02/03/2023 04:00 AM	0.0	0.0	0.0
02/03/2023 05:00 AM	0.0	0.0	0.0
02/03/2023 06:00 AM	0.0	0.0	0.0
02/03/2023 07:00 AM	0.0	0.0	0.0
02/03/2023 08:00 AM	0.0	0.0	0.0
02/03/2023 09:00 AM	0.0	0.0	0.0
02/03/2023 10:00 AM	0.0	0.0	0.0
02/03/2023 11:00 AM	0.0	0.0	0.0
02/03/2023 12:00 PM	0.0	0.0	0.0
02/03/2023 01:00 PM	0.0	0.0	0.0
02/03/2023 02:00 PM	0.0	0.0	0.0
02/03/2023 03:00 PM	0.0	0.0	0.0
02/03/2023 04:00 PM	0.0	0.0	0.0
02/03/2023 05:00 PM	0.0	0.0	0.0
02/03/2023 06:00 PM	0.0	0.0	0.0
02/03/2023 07:00 PM	0.0	0.0	0.0
02/03/2023 08:00 PM	0.0	0.0	0.0
02/03/2023 09:00 PM	0.0	0.0	0.0
02/03/2023 10:00 PM	0.0	0.0	0.0
02/03/2023 11:00 PM	0.0	0.0	0.0
02/04/2023 12:00 AM	0.0	0.0	0.0
02/04/2023 01:00 AM	0.0	0.0	0.0
02/04/2023 02:00 AM	0.0	0.0	0.0
02/04/2023 03:00 AM	0.0	0.0	0.0
02/04/2023 04:00 AM	0.0	0.0	0.0
02/04/2023 05:00 AM	0.0	0.0	0.0
02/04/2023 06:00 AM	0.0	0.0	0.0
02/04/2023 07:00 AM	0.0	0.0	0.0
02/04/2023 08:00 AM	0.0	0.0	0.0
02/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/04/2023 10:00 AM	0.0	0.0	0.0
02/04/2023 11:00 AM	0.0	0.0	0.0
02/04/2023 12:00 PM	0.0	0.0	0.0
02/04/2023 01:00 PM	0.0	0.0	0.0
02/04/2023 02:00 PM	0.0	0.0	0.0
02/04/2023 03:00 PM	0.0	0.0	0.0
02/04/2023 04:00 PM	0.0	0.0	0.0
02/04/2023 05:00 PM	0.0	0.0	0.0
02/04/2023 06:00 PM	0.0	0.0	0.0
02/04/2023 07:00 PM	0.0	0.0	0.0
02/04/2023 08:00 PM	0.0	0.0	0.0
02/04/2023 09:00 PM	0.0	0.0	0.0
02/04/2023 10:00 PM	0.0	0.0	0.0
02/04/2023 11:00 PM	0.0	0.0	0.0
02/05/2023 12:00 AM	0.0	0.0	0.0
02/05/2023 01:00 AM	0.0	0.0	0.0
02/05/2023 02:00 AM	0.0	0.0	0.0
02/05/2023 03:00 AM	0.0	0.0	0.0
02/05/2023 04:00 AM	0.0	0.0	0.0
02/05/2023 05:00 AM	0.0	0.0	0.0
02/05/2023 06:00 AM	0.0	0.0	0.0
02/05/2023 07:00 AM	0.0	0.0	0.0
02/05/2023 08:00 AM	0.0	0.0	0.0
02/05/2023 09:00 AM	0.0	0.0	0.0
02/05/2023 10:00 AM	0.0	0.0	0.0
02/05/2023 11:00 AM	0.0	0.0	0.0
02/05/2023 12:00 PM	0.0	0.0	0.0
02/05/2023 01:00 PM	0.0	0.0	0.0
02/05/2023 02:00 PM	0.0	0.0	0.0
02/05/2023 03:00 PM	0.0	0.0	0.0
02/05/2023 04:00 PM	0.0	0.0	0.0
02/05/2023 05:00 PM	0.0	0.0	0.0
02/05/2023 06:00 PM	0.0	0.0	0.0
02/05/2023 07:00 PM	0.0	0.0	0.0
02/05/2023 08:00 PM	0.0	0.0	0.0
02/05/2023 09:00 PM	0.0	0.0	0.0
02/05/2023 10:00 PM	0.0	0.0	0.0
02/05/2023 11:00 PM	0.0	0.0	0.0
02/06/2023 12:00 AM	0.0	0.0	0.0
02/06/2023 01:00 AM	0.0	0.0	0.0
02/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/06/2023 03:00 AM	0.0	0.0	0.0
02/06/2023 04:00 AM	0.0	0.0	0.0
02/06/2023 05:00 AM	0.0	0.0	0.0
02/06/2023 06:00 AM	0.0	0.0	0.0
02/06/2023 07:00 AM	0.0	0.0	0.0
02/06/2023 08:00 AM	0.0	0.0	0.0
02/06/2023 09:00 AM	0.0	0.0	0.0
02/06/2023 10:00 AM	0.0	0.0	0.0
02/06/2023 11:00 AM	0.0	0.0	0.0
02/06/2023 12:00 PM	0.0	0.0	0.0
02/06/2023 01:00 PM	0.0	0.0	0.0
02/06/2023 02:00 PM	0.0	0.0	0.0
02/06/2023 03:00 PM	0.0	0.0	0.0
02/06/2023 04:00 PM	0.0	0.0	0.0
02/06/2023 05:00 PM	0.0	0.0	0.0
02/06/2023 06:00 PM	0.0	0.0	0.0
02/06/2023 07:00 PM	0.0	0.0	0.0
02/06/2023 08:00 PM	0.0	0.0	0.0
02/06/2023 09:00 PM	0.0	0.0	0.0
02/06/2023 10:00 PM	0.0	0.0	0.0
02/06/2023 11:00 PM	0.0	0.0	0.0
02/07/2023 12:00 AM	0.0	0.0	0.0
02/07/2023 01:00 AM	0.0	0.0	0.0
02/07/2023 02:00 AM	0.0	0.0	0.0
02/07/2023 03:00 AM	0.0	0.0	0.0
02/07/2023 04:00 AM	0.0	0.0	0.0
02/07/2023 05:00 AM	0.0	0.0	0.0
02/07/2023 06:00 AM	0.0	0.0	0.0
02/07/2023 07:00 AM	0.0	0.0	0.0
02/07/2023 08:00 AM	0.0	0.0	0.0
02/07/2023 09:00 AM	1,999.9	0.0	1,399.3
02/07/2023 10:00 AM	1,963.9	1,863.2	1,914.3
02/07/2023 11:00 AM	1,863.2	1,809.3	1,832.8
02/07/2023 12:00 PM	1,809.6	1,772.1	1,791.9
02/07/2023 01:00 PM	1,772.1	1,715.1	1,747.4
02/07/2023 02:00 PM	1,715.1	1,671.5	1,695.2
02/07/2023 03:00 PM	1,676.3	0.0	139.5
02/07/2023 04:00 PM	0.0	0.0	0.0
02/07/2023 05:00 PM	0.0	0.0	0.0
02/07/2023 06:00 PM	0.0	0.0	0.0
02/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/07/2023 08:00 PM	0.0	0.0	0.0
02/07/2023 09:00 PM	0.0	0.0	0.0
02/07/2023 10:00 PM	0.0	0.0	0.0
02/07/2023 11:00 PM	0.0	0.0	0.0
02/08/2023 12:00 AM	0.0	0.0	0.0
02/08/2023 01:00 AM	0.0	0.0	0.0
02/08/2023 02:00 AM	0.0	0.0	0.0
02/08/2023 03:00 AM	0.0	0.0	0.0
02/08/2023 04:00 AM	0.0	0.0	0.0
02/08/2023 05:00 AM	0.0	0.0	0.0
02/08/2023 06:00 AM	0.0	0.0	0.0
02/08/2023 07:00 AM	0.0	0.0	0.0
02/08/2023 08:00 AM	0.0	0.0	0.0
02/08/2023 09:00 AM	0.0	0.0	0.0
02/08/2023 10:00 AM	0.0	0.0	0.0
02/08/2023 11:00 AM	0.0	0.0	0.0
02/08/2023 12:00 PM	0.0	0.0	0.0
02/08/2023 01:00 PM	0.0	0.0	0.0
02/08/2023 02:00 PM	0.0	0.0	0.0
02/08/2023 03:00 PM	0.0	0.0	0.0
02/08/2023 04:00 PM	0.0	0.0	0.0
02/08/2023 05:00 PM	0.0	0.0	0.0
02/08/2023 06:00 PM	0.0	0.0	0.0
02/08/2023 07:00 PM	0.0	0.0	0.0
02/08/2023 08:00 PM	0.0	0.0	0.0
02/08/2023 09:00 PM	0.0	0.0	0.0
02/08/2023 10:00 PM	0.0	0.0	0.0
02/08/2023 11:00 PM	0.0	0.0	0.0
02/09/2023 12:00 AM	0.0	0.0	0.0
02/09/2023 01:00 AM	0.0	0.0	0.0
02/09/2023 02:00 AM	0.0	0.0	0.0
02/09/2023 03:00 AM	0.0	0.0	0.0
02/09/2023 04:00 AM	0.0	0.0	0.0
02/09/2023 05:00 AM	0.0	0.0	0.0
02/09/2023 06:00 AM	0.0	0.0	0.0
02/09/2023 07:00 AM	0.0	0.0	0.0
02/09/2023 08:00 AM	0.0	0.0	0.0
02/09/2023 09:00 AM	1,999.3	0.0	1,891.5
02/09/2023 10:00 AM	1,980.3	1,874.2	1,901.0
02/09/2023 11:00 AM	1,874.2	1,694.3	1,769.4
02/09/2023 12:00 PM	1,694.3	1,619.4	1,652.1

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/09/2023 01:00 PM	1,636.8	1,582.0	1,600.6
02/09/2023 02:00 PM	1,590.3	1,542.8	1,558.2
02/09/2023 03:00 PM	1,556.2	0.0	363.1
02/09/2023 04:00 PM	0.0	0.0	0.0
02/09/2023 05:00 PM	0.0	0.0	0.0
02/09/2023 06:00 PM	0.0	0.0	0.0
02/09/2023 07:00 PM	0.0	0.0	0.0
02/09/2023 08:00 PM	0.0	0.0	0.0
02/09/2023 09:00 PM	0.0	0.0	0.0
02/09/2023 10:00 PM	0.0	0.0	0.0
02/09/2023 11:00 PM	0.0	0.0	0.0
02/10/2023 12:00 AM	0.0	0.0	0.0
02/10/2023 01:00 AM	0.0	0.0	0.0
02/10/2023 02:00 AM	0.0	0.0	0.0
02/10/2023 03:00 AM	0.0	0.0	0.0
02/10/2023 04:00 AM	0.0	0.0	0.0
02/10/2023 05:00 AM	0.0	0.0	0.0
02/10/2023 06:00 AM	0.0	0.0	0.0
02/10/2023 07:00 AM	0.0	0.0	0.0
02/10/2023 08:00 AM	0.0	0.0	0.0
02/10/2023 09:00 AM	0.0	0.0	0.0
02/10/2023 10:00 AM	0.0	0.0	0.0
02/10/2023 11:00 AM	0.0	0.0	0.0
02/10/2023 12:00 PM	0.0	0.0	0.0
02/10/2023 01:00 PM	0.0	0.0	0.0
02/10/2023 02:00 PM	0.0	0.0	0.0
02/10/2023 03:00 PM	0.0	0.0	0.0
02/10/2023 04:00 PM	0.0	0.0	0.0
02/10/2023 05:00 PM	0.0	0.0	0.0
02/10/2023 06:00 PM	0.0	0.0	0.0
02/10/2023 07:00 PM	0.0	0.0	0.0
02/10/2023 08:00 PM	0.0	0.0	0.0
02/10/2023 09:00 PM	0.0	0.0	0.0
02/10/2023 10:00 PM	0.0	0.0	0.0
02/10/2023 11:00 PM	0.0	0.0	0.0
02/11/2023 12:00 AM	0.0	0.0	0.0
02/11/2023 01:00 AM	0.0	0.0	0.0
02/11/2023 02:00 AM	0.0	0.0	0.0
02/11/2023 03:00 AM	0.0	0.0	0.0
02/11/2023 04:00 AM	0.0	0.0	0.0
02/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/11/2023 06:00 AM	0.0	0.0	0.0
02/11/2023 07:00 AM	0.0	0.0	0.0
02/11/2023 08:00 AM	0.0	0.0	0.0
02/11/2023 09:00 AM	0.0	0.0	0.0
02/11/2023 10:00 AM	0.0	0.0	0.0
02/11/2023 11:00 AM	0.0	0.0	0.0
02/11/2023 12:00 PM	0.0	0.0	0.0
02/11/2023 01:00 PM	0.0	0.0	0.0
02/11/2023 02:00 PM	0.0	0.0	0.0
02/11/2023 03:00 PM	0.0	0.0	0.0
02/11/2023 04:00 PM	0.0	0.0	0.0
02/11/2023 05:00 PM	0.0	0.0	0.0
02/11/2023 06:00 PM	0.0	0.0	0.0
02/11/2023 07:00 PM	0.0	0.0	0.0
02/11/2023 08:00 PM	0.0	0.0	0.0
02/11/2023 09:00 PM	0.0	0.0	0.0
02/11/2023 10:00 PM	0.0	0.0	0.0
02/11/2023 11:00 PM	0.0	0.0	0.0
02/12/2023 12:00 AM	0.0	0.0	0.0
02/12/2023 01:00 AM	0.0	0.0	0.0
02/12/2023 02:00 AM	0.0	0.0	0.0
02/12/2023 03:00 AM	0.0	0.0	0.0
02/12/2023 04:00 AM	0.0	0.0	0.0
02/12/2023 05:00 AM	0.0	0.0	0.0
02/12/2023 06:00 AM	0.0	0.0	0.0
02/12/2023 07:00 AM	0.0	0.0	0.0
02/12/2023 08:00 AM	0.0	0.0	0.0
02/12/2023 09:00 AM	0.0	0.0	0.0
02/12/2023 10:00 AM	0.0	0.0	0.0
02/12/2023 11:00 AM	0.0	0.0	0.0
02/12/2023 12:00 PM	0.0	0.0	0.0
02/12/2023 01:00 PM	0.0	0.0	0.0
02/12/2023 02:00 PM	0.0	0.0	0.0
02/12/2023 03:00 PM	0.0	0.0	0.0
02/12/2023 04:00 PM	0.0	0.0	0.0
02/12/2023 05:00 PM	0.0	0.0	0.0
02/12/2023 06:00 PM	0.0	0.0	0.0
02/12/2023 07:00 PM	0.0	0.0	0.0
02/12/2023 08:00 PM	0.0	0.0	0.0
02/12/2023 09:00 PM	0.0	0.0	0.0
02/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/12/2023 11:00 PM	0.0	0.0	0.0
02/13/2023 12:00 AM	0.0	0.0	0.0
02/13/2023 01:00 AM	0.0	0.0	0.0
02/13/2023 02:00 AM	0.0	0.0	0.0
02/13/2023 03:00 AM	0.0	0.0	0.0
02/13/2023 04:00 AM	0.0	0.0	0.0
02/13/2023 05:00 AM	0.0	0.0	0.0
02/13/2023 06:00 AM	0.0	0.0	0.0
02/13/2023 07:00 AM	0.0	0.0	0.0
02/13/2023 08:00 AM	0.0	0.0	0.0
02/13/2023 09:00 AM			
02/13/2023 10:00 AM	0.0	0.0	0.0
02/13/2023 11:00 AM	0.0	0.0	0.0
02/13/2023 12:00 PM	0.0	0.0	0.0
02/13/2023 01:00 PM	0.0	0.0	0.0
02/13/2023 02:00 PM	0.0	0.0	0.0
02/13/2023 03:00 PM	0.0	0.0	0.0
02/13/2023 04:00 PM	0.0	0.0	0.0
02/13/2023 05:00 PM	0.0	0.0	0.0
02/13/2023 06:00 PM	0.0	0.0	0.0
02/13/2023 07:00 PM	0.0	0.0	0.0
02/13/2023 08:00 PM	0.0	0.0	0.0
02/13/2023 09:00 PM	0.0	0.0	0.0
02/13/2023 10:00 PM	0.0	0.0	0.0
02/13/2023 11:00 PM	0.0	0.0	0.0
02/14/2023 12:00 AM	0.0	0.0	0.0
02/14/2023 01:00 AM	0.0	0.0	0.0
02/14/2023 02:00 AM	0.0	0.0	0.0
02/14/2023 03:00 AM	0.0	0.0	0.0
02/14/2023 04:00 AM	0.0	0.0	0.0
02/14/2023 05:00 AM	0.0	0.0	0.0
02/14/2023 06:00 AM	0.0	0.0	0.0
02/14/2023 07:00 AM	0.0	0.0	0.0
02/14/2023 08:00 AM	0.0	0.0	0.0
02/14/2023 09:00 AM	1,999.6	0.0	1,808.4
02/14/2023 10:00 AM	1,999.6	1,856.9	1,926.2
02/14/2023 11:00 AM	1,856.9	1,795.5	1,822.0
02/14/2023 12:00 PM	1,801.0	1,748.1	1,772.5
02/14/2023 01:00 PM	1,748.1	1,691.6	1,722.7
02/14/2023 02:00 PM	1,694.2	1,637.5	1,671.2
02/14/2023 03:00 PM	1,640.9	0.0	82.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/14/2023 04:00 PM	0.0	0.0	0.0
02/14/2023 05:00 PM	0.0	0.0	0.0
02/14/2023 06:00 PM	0.0	0.0	0.0
02/14/2023 07:00 PM	0.0	0.0	0.0
02/14/2023 08:00 PM	0.0	0.0	0.0
02/14/2023 09:00 PM	0.0	0.0	0.0
02/14/2023 10:00 PM	0.0	0.0	0.0
02/14/2023 11:00 PM	0.0	0.0	0.0
02/15/2023 12:00 AM	0.0	0.0	0.0
02/15/2023 01:00 AM	0.0	0.0	0.0
02/15/2023 02:00 AM	0.0	0.0	0.0
02/15/2023 03:00 AM	0.0	0.0	0.0
02/15/2023 04:00 AM	0.0	0.0	0.0
02/15/2023 05:00 AM	0.0	0.0	0.0
02/15/2023 06:00 AM	0.0	0.0	0.0
02/15/2023 07:00 AM	0.0	0.0	0.0
02/15/2023 08:00 AM	0.0	0.0	0.0
02/15/2023 09:00 AM	0.0	0.0	0.0
02/15/2023 10:00 AM	0.0	0.0	0.0
02/15/2023 11:00 AM	0.0	0.0	0.0
02/15/2023 12:00 PM	0.0	0.0	0.0
02/15/2023 01:00 PM	0.0	0.0	0.0
02/15/2023 02:00 PM	0.0	0.0	0.0
02/15/2023 03:00 PM	0.0	0.0	0.0
02/15/2023 04:00 PM	0.0	0.0	0.0
02/15/2023 05:00 PM	0.0	0.0	0.0
02/15/2023 06:00 PM	0.0	0.0	0.0
02/15/2023 07:00 PM	0.0	0.0	0.0
02/15/2023 08:00 PM	0.0	0.0	0.0
02/15/2023 09:00 PM	0.0	0.0	0.0
02/15/2023 10:00 PM	0.0	0.0	0.0
02/15/2023 11:00 PM	0.0	0.0	0.0
02/16/2023 12:00 AM	0.0	0.0	0.0
02/16/2023 01:00 AM	0.0	0.0	0.0
02/16/2023 02:00 AM	0.0	0.0	0.0
02/16/2023 03:00 AM	0.0	0.0	0.0
02/16/2023 04:00 AM	0.0	0.0	0.0
02/16/2023 05:00 AM	0.0	0.0	0.0
02/16/2023 06:00 AM	0.0	0.0	0.0
02/16/2023 07:00 AM	0.0	0.0	0.0
02/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/16/2023 09:00 AM	1,999.8	0.0	1,630.3
02/16/2023 10:00 AM	1,987.3	1,850.6	1,903.6
02/16/2023 11:00 AM	1,850.6	1,693.6	1,740.8
02/16/2023 12:00 PM	1,693.6	1,693.6	1,693.6
02/16/2023 01:00 PM	1,693.6	1,693.6	1,693.6
02/16/2023 02:00 PM	1,693.6	1,531.8	1,593.3
02/16/2023 03:00 PM	1,531.8	0.0	76.3
02/16/2023 04:00 PM	0.0	0.0	0.0
02/16/2023 05:00 PM	0.0	0.0	0.0
02/16/2023 06:00 PM	0.0	0.0	0.0
02/16/2023 07:00 PM	0.0	0.0	0.0
02/16/2023 08:00 PM	0.0	0.0	0.0
02/16/2023 09:00 PM	0.0	0.0	0.0
02/16/2023 10:00 PM	0.0	0.0	0.0
02/16/2023 11:00 PM	0.0	0.0	0.0
02/17/2023 12:00 AM	0.0	0.0	0.0
02/17/2023 01:00 AM	0.0	0.0	0.0
02/17/2023 02:00 AM	0.0	0.0	0.0
02/17/2023 03:00 AM	0.0	0.0	0.0
02/17/2023 04:00 AM	0.0	0.0	0.0
02/17/2023 05:00 AM	0.0	0.0	0.0
02/17/2023 06:00 AM	0.0	0.0	0.0
02/17/2023 07:00 AM	0.0	0.0	0.0
02/17/2023 08:00 AM	0.0	0.0	0.0
02/17/2023 09:00 AM	0.0	0.0	0.0
02/17/2023 10:00 AM	0.0	0.0	0.0
02/17/2023 11:00 AM	0.0	0.0	0.0
02/17/2023 12:00 PM	0.0	0.0	0.0
02/17/2023 01:00 PM	0.0	0.0	0.0
02/17/2023 02:00 PM	0.0	0.0	0.0
02/17/2023 03:00 PM	0.0	0.0	0.0
02/17/2023 04:00 PM	0.0	0.0	0.0
02/17/2023 05:00 PM	0.0	0.0	0.0
02/17/2023 06:00 PM	0.0	0.0	0.0
02/17/2023 07:00 PM	0.0	0.0	0.0
02/17/2023 08:00 PM	0.0	0.0	0.0
02/17/2023 09:00 PM	0.0	0.0	0.0
02/17/2023 10:00 PM	0.0	0.0	0.0
02/17/2023 11:00 PM	0.0	0.0	0.0
02/18/2023 12:00 AM	0.0	0.0	0.0
02/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/18/2023 02:00 AM	0.0	0.0	0.0
02/18/2023 03:00 AM	0.0	0.0	0.0
02/18/2023 04:00 AM	0.0	0.0	0.0
02/18/2023 05:00 AM	0.0	0.0	0.0
02/18/2023 06:00 AM	0.0	0.0	0.0
02/18/2023 07:00 AM	0.0	0.0	0.0
02/18/2023 08:00 AM	0.0	0.0	0.0
02/18/2023 09:00 AM	0.0	0.0	0.0
02/18/2023 10:00 AM	0.0	0.0	0.0
02/18/2023 11:00 AM	0.0	0.0	0.0
02/18/2023 12:00 PM	0.0	0.0	0.0
02/18/2023 01:00 PM	0.0	0.0	0.0
02/18/2023 02:00 PM	0.0	0.0	0.0
02/18/2023 03:00 PM	0.0	0.0	0.0
02/18/2023 04:00 PM	0.0	0.0	0.0
02/18/2023 05:00 PM	0.0	0.0	0.0
02/18/2023 06:00 PM	0.0	0.0	0.0
02/18/2023 07:00 PM	0.0	0.0	0.0
02/18/2023 08:00 PM	0.0	0.0	0.0
02/18/2023 09:00 PM	0.0	0.0	0.0
02/18/2023 10:00 PM	0.0	0.0	0.0
02/18/2023 11:00 PM	0.0	0.0	0.0
02/19/2023 12:00 AM	0.0	0.0	0.0
02/19/2023 01:00 AM	0.0	0.0	0.0
02/19/2023 02:00 AM	0.0	0.0	0.0
02/19/2023 03:00 AM	0.0	0.0	0.0
02/19/2023 04:00 AM	0.0	0.0	0.0
02/19/2023 05:00 AM	0.0	0.0	0.0
02/19/2023 06:00 AM	0.0	0.0	0.0
02/19/2023 07:00 AM	0.0	0.0	0.0
02/19/2023 08:00 AM	0.0	0.0	0.0
02/19/2023 09:00 AM	0.0	0.0	0.0
02/19/2023 10:00 AM	0.0	0.0	0.0
02/19/2023 11:00 AM	0.0	0.0	0.0
02/19/2023 12:00 PM	0.0	0.0	0.0
02/19/2023 01:00 PM	0.0	0.0	0.0
02/19/2023 02:00 PM	0.0	0.0	0.0
02/19/2023 03:00 PM	0.0	0.0	0.0
02/19/2023 04:00 PM	0.0	0.0	0.0
02/19/2023 05:00 PM	0.0	0.0	0.0
02/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/19/2023 07:00 PM	0.0	0.0	0.0
02/19/2023 08:00 PM	0.0	0.0	0.0
02/19/2023 09:00 PM	0.0	0.0	0.0
02/19/2023 10:00 PM	0.0	0.0	0.0
02/19/2023 11:00 PM	0.0	0.0	0.0
02/20/2023 12:00 AM	0.0	0.0	0.0
02/20/2023 01:00 AM	0.0	0.0	0.0
02/20/2023 02:00 AM	0.0	0.0	0.0
02/20/2023 03:00 AM	0.0	0.0	0.0
02/20/2023 04:00 AM	0.0	0.0	0.0
02/20/2023 05:00 AM	0.0	0.0	0.0
02/20/2023 06:00 AM	0.0	0.0	0.0
02/20/2023 07:00 AM	0.0	0.0	0.0
02/20/2023 08:00 AM	0.0	0.0	0.0
02/20/2023 09:00 AM	0.0	0.0	0.0
02/20/2023 10:00 AM	0.0	0.0	0.0
02/20/2023 11:00 AM	0.0	0.0	0.0
02/20/2023 12:00 PM	0.0	0.0	0.0
02/20/2023 01:00 PM	0.0	0.0	0.0
02/20/2023 02:00 PM	0.0	0.0	0.0
02/20/2023 03:00 PM	0.0	0.0	0.0
02/20/2023 04:00 PM	0.0	0.0	0.0
02/20/2023 05:00 PM	0.0	0.0	0.0
02/20/2023 06:00 PM	0.0	0.0	0.0
02/20/2023 07:00 PM	0.0	0.0	0.0
02/20/2023 08:00 PM	0.0	0.0	0.0
02/20/2023 09:00 PM	0.0	0.0	0.0
02/20/2023 10:00 PM	0.0	0.0	0.0
02/20/2023 11:00 PM	0.0	0.0	0.0
02/21/2023 12:00 AM	0.0	0.0	0.0
02/21/2023 01:00 AM	0.0	0.0	0.0
02/21/2023 02:00 AM	0.0	0.0	0.0
02/21/2023 03:00 AM	0.0	0.0	0.0
02/21/2023 04:00 AM	0.0	0.0	0.0
02/21/2023 05:00 AM	0.0	0.0	0.0
02/21/2023 06:00 AM	0.0	0.0	0.0
02/21/2023 07:00 AM	0.0	0.0	0.0
02/21/2023 08:00 AM	0.0	0.0	0.0
02/21/2023 09:00 AM	1,914.0	0.0	1,731.1
02/21/2023 10:00 AM	1,893.1	1,788.6	1,836.2
02/21/2023 11:00 AM	1,788.6	1,745.2	1,767.6

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/21/2023 12:00 PM	1,747.9	1,699.8	1,724.6
02/21/2023 01:00 PM	1,699.8	1,654.6	1,679.5
02/21/2023 02:00 PM	1,660.6	1,606.7	1,636.8
02/21/2023 03:00 PM	1,615.5	0.0	80.6
02/21/2023 04:00 PM	0.0	0.0	0.0
02/21/2023 05:00 PM	0.0	0.0	0.0
02/21/2023 06:00 PM	0.0	0.0	0.0
02/21/2023 07:00 PM	0.0	0.0	0.0
02/21/2023 08:00 PM	0.0	0.0	0.0
02/21/2023 09:00 PM	0.0	0.0	0.0
02/21/2023 10:00 PM	0.0	0.0	0.0
02/21/2023 11:00 PM	0.0	0.0	0.0
02/22/2023 12:00 AM	0.0	0.0	0.0
02/22/2023 01:00 AM	0.0	0.0	0.0
02/22/2023 02:00 AM	0.0	0.0	0.0
02/22/2023 03:00 AM	0.0	0.0	0.0
02/22/2023 04:00 AM	0.0	0.0	0.0
02/22/2023 05:00 AM	0.0	0.0	0.0
02/22/2023 06:00 AM	0.0	0.0	0.0
02/22/2023 07:00 AM	0.0	0.0	0.0
02/22/2023 08:00 AM	0.0	0.0	0.0
02/22/2023 09:00 AM	0.0	0.0	0.0
02/22/2023 10:00 AM	0.0	0.0	0.0
02/22/2023 11:00 AM	0.0	0.0	0.0
02/22/2023 12:00 PM	0.0	0.0	0.0
02/22/2023 01:00 PM	0.0	0.0	0.0
02/22/2023 02:00 PM	0.0	0.0	0.0
02/22/2023 03:00 PM	0.0	0.0	0.0
02/22/2023 04:00 PM	0.0	0.0	0.0
02/22/2023 05:00 PM	0.0	0.0	0.0
02/22/2023 06:00 PM	0.0	0.0	0.0
02/22/2023 07:00 PM	0.0	0.0	0.0
02/22/2023 08:00 PM	0.0	0.0	0.0
02/22/2023 09:00 PM	0.0	0.0	0.0
02/22/2023 10:00 PM	0.0	0.0	0.0
02/22/2023 11:00 PM	0.0	0.0	0.0
02/23/2023 12:00 AM	0.0	0.0	0.0
02/23/2023 01:00 AM	0.0	0.0	0.0
02/23/2023 02:00 AM	0.0	0.0	0.0
02/23/2023 03:00 AM	0.0	0.0	0.0
02/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/23/2023 05:00 AM	0.0	0.0	0.0
02/23/2023 06:00 AM	0.0	0.0	0.0
02/23/2023 07:00 AM	0.0	0.0	0.0
02/23/2023 08:00 AM	0.0	0.0	0.0
02/23/2023 09:00 AM	1,998.6	0.0	1,825.3
02/23/2023 10:00 AM	1,895.6	1,735.2	1,814.6
02/23/2023 11:00 AM	1,735.2	1,642.7	1,685.8
02/23/2023 12:00 PM	1,642.7	1,617.9	1,629.6
02/23/2023 01:00 PM	1,626.4	1,515.6	1,565.6
02/23/2023 02:00 PM	1,521.1	1,479.3	1,505.1
02/23/2023 03:00 PM	1,502.7	0.0	100.1
02/23/2023 04:00 PM	0.0	0.0	0.0
02/23/2023 05:00 PM	0.0	0.0	0.0
02/23/2023 06:00 PM	0.0	0.0	0.0
02/23/2023 07:00 PM	0.0	0.0	0.0
02/23/2023 08:00 PM	0.0	0.0	0.0
02/23/2023 09:00 PM	0.0	0.0	0.0
02/23/2023 10:00 PM	0.0	0.0	0.0
02/23/2023 11:00 PM	0.0	0.0	0.0
02/24/2023 12:00 AM	0.0	0.0	0.0
02/24/2023 01:00 AM	0.0	0.0	0.0
02/24/2023 02:00 AM	0.0	0.0	0.0
02/24/2023 03:00 AM	0.0	0.0	0.0
02/24/2023 04:00 AM	0.0	0.0	0.0
02/24/2023 05:00 AM	0.0	0.0	0.0
02/24/2023 06:00 AM	0.0	0.0	0.0
02/24/2023 07:00 AM	0.0	0.0	0.0
02/24/2023 08:00 AM	0.0	0.0	0.0
02/24/2023 09:00 AM	0.0	0.0	0.0
02/24/2023 10:00 AM	0.0	0.0	0.0
02/24/2023 11:00 AM	0.0	0.0	0.0
02/24/2023 12:00 PM	0.0	0.0	0.0
02/24/2023 01:00 PM	0.0	0.0	0.0
02/24/2023 02:00 PM	0.0	0.0	0.0
02/24/2023 03:00 PM	0.0	0.0	0.0
02/24/2023 04:00 PM	0.0	0.0	0.0
02/24/2023 05:00 PM	0.0	0.0	0.0
02/24/2023 06:00 PM	0.0	0.0	0.0
02/24/2023 07:00 PM	0.0	0.0	0.0
02/24/2023 08:00 PM	0.0	0.0	0.0
02/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/24/2023 10:00 PM	0.0	0.0	0.0
02/24/2023 11:00 PM	0.0	0.0	0.0
02/25/2023 12:00 AM	0.0	0.0	0.0
02/25/2023 01:00 AM	0.0	0.0	0.0
02/25/2023 02:00 AM	0.0	0.0	0.0
02/25/2023 03:00 AM	0.0	0.0	0.0
02/25/2023 04:00 AM	0.0	0.0	0.0
02/25/2023 05:00 AM	0.0	0.0	0.0
02/25/2023 06:00 AM	0.0	0.0	0.0
02/25/2023 07:00 AM	0.0	0.0	0.0
02/25/2023 08:00 AM	0.0	0.0	0.0
02/25/2023 09:00 AM	0.0	0.0	0.0
02/25/2023 10:00 AM	0.0	0.0	0.0
02/25/2023 11:00 AM	0.0	0.0	0.0
02/25/2023 12:00 PM	0.0	0.0	0.0
02/25/2023 01:00 PM	0.0	0.0	0.0
02/25/2023 02:00 PM	0.0	0.0	0.0
02/25/2023 03:00 PM	0.0	0.0	0.0
02/25/2023 04:00 PM	0.0	0.0	0.0
02/25/2023 05:00 PM	0.0	0.0	0.0
02/25/2023 06:00 PM	0.0	0.0	0.0
02/25/2023 07:00 PM	0.0	0.0	0.0
02/25/2023 08:00 PM	0.0	0.0	0.0
02/25/2023 09:00 PM	0.0	0.0	0.0
02/25/2023 10:00 PM	0.0	0.0	0.0
02/25/2023 11:00 PM	0.0	0.0	0.0
02/26/2023 12:00 AM	0.0	0.0	0.0
02/26/2023 01:00 AM	0.0	0.0	0.0
02/26/2023 02:00 AM	0.0	0.0	0.0
02/26/2023 03:00 AM	0.0	0.0	0.0
02/26/2023 04:00 AM	0.0	0.0	0.0
02/26/2023 05:00 AM	0.0	0.0	0.0
02/26/2023 06:00 AM	0.0	0.0	0.0
02/26/2023 07:00 AM	0.0	0.0	0.0
02/26/2023 08:00 AM	0.0	0.0	0.0
02/26/2023 09:00 AM	0.0	0.0	0.0
02/26/2023 10:00 AM	0.0	0.0	0.0
02/26/2023 11:00 AM	0.0	0.0	0.0
02/26/2023 12:00 PM	0.0	0.0	0.0
02/26/2023 01:00 PM	0.0	0.0	0.0
02/26/2023 02:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/26/2023 03:00 PM	0.0	0.0	0.0
02/26/2023 04:00 PM	0.0	0.0	0.0
02/26/2023 05:00 PM	0.0	0.0	0.0
02/26/2023 06:00 PM	0.0	0.0	0.0
02/26/2023 07:00 PM	0.0	0.0	0.0
02/26/2023 08:00 PM	0.0	0.0	0.0
02/26/2023 09:00 PM	0.0	0.0	0.0
02/26/2023 10:00 PM	0.0	0.0	0.0
02/26/2023 11:00 PM	0.0	0.0	0.0
02/27/2023 12:00 AM	0.0	0.0	0.0
02/27/2023 01:00 AM	0.0	0.0	0.0
02/27/2023 02:00 AM	0.0	0.0	0.0
02/27/2023 03:00 AM	0.0	0.0	0.0
02/27/2023 04:00 AM	0.0	0.0	0.0
02/27/2023 05:00 AM	0.0	0.0	0.0
02/27/2023 06:00 AM	0.0	0.0	0.0
02/27/2023 07:00 AM	0.0	0.0	0.0
02/27/2023 08:00 AM	0.0	0.0	0.0
02/27/2023 09:00 AM	0.0	0.0	0.0
02/27/2023 10:00 AM	0.0	0.0	0.0
02/27/2023 11:00 AM	0.0	0.0	0.0
02/27/2023 12:00 PM	0.0	0.0	0.0
02/27/2023 01:00 PM	0.0	0.0	0.0
02/27/2023 02:00 PM	0.0	0.0	0.0
02/27/2023 03:00 PM	0.0	0.0	0.0
02/27/2023 04:00 PM	0.0	0.0	0.0
02/27/2023 05:00 PM	0.0	0.0	0.0
02/27/2023 06:00 PM	0.0	0.0	0.0
02/27/2023 07:00 PM	0.0	0.0	0.0
02/27/2023 08:00 PM	0.0	0.0	0.0
02/27/2023 09:00 PM	0.0	0.0	0.0
02/27/2023 10:00 PM	0.0	0.0	0.0
02/27/2023 11:00 PM	0.0	0.0	0.0
02/28/2023 12:00 AM	0.0	0.0	0.0
02/28/2023 01:00 AM	0.0	0.0	0.0
02/28/2023 02:00 AM	0.0	0.0	0.0
02/28/2023 03:00 AM	0.0	0.0	0.0
02/28/2023 04:00 AM	0.0	0.0	0.0
02/28/2023 05:00 AM	0.0	0.0	0.0
02/28/2023 06:00 AM	0.0	0.0	0.0
02/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
February 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
02/28/2023 08:00 AM	0.0	0.0	0.0
02/28/2023 09:00 AM	1,932.6	0.0	1,797.3
02/28/2023 10:00 AM	1,912.0	1,799.9	1,841.3
02/28/2023 11:00 AM	1,802.6	1,743.1	1,766.2
02/28/2023 12:00 PM	1,749.4	1,710.1	1,726.9
02/28/2023 01:00 PM	1,713.4	1,659.2	1,679.8
02/28/2023 02:00 PM	1,662.5	1,619.3	1,632.3
02/28/2023 03:00 PM	1,619.9	0.0	162.0
02/28/2023 04:00 PM	0.0	0.0	0.0
02/28/2023 05:00 PM	0.0	0.0	0.0
02/28/2023 06:00 PM	0.0	0.0	0.0
02/28/2023 07:00 PM	0.0	0.0	0.0
02/28/2023 08:00 PM	0.0	0.0	0.0
02/28/2023 09:00 PM	0.0	0.0	0.0
02/28/2023 10:00 PM	0.0	0.0	0.0
02/28/2023 11:00 PM	0.0	0.0	0.0

March 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
March 2023

Date	Raw Water	Finished Water
03/01/2023	369,754	368,672
03/02/2023	368,349	355,684
03/03/2023	368,349	355,684
03/04/2023	339,903	335,293
03/05/2023	339,903	332,043
03/06/2023	343,725	335,554
03/07/2023	369,686	367,870
03/08/2023	369,686	367,870
03/09/2023	367,875	361,602
03/10/2023	367,875	361,602
03/11/2023	344,774	337,429
03/12/2023	339,457	335,444
03/13/2023	341,289	337,102
03/14/2023	373,506	364,550
03/15/2023	310,041	300,012
03/16/2023	371,958	366,175
03/17/2023	348,429	334,967
03/18/2023	332,408	332,611
03/19/2023	333,522	325,163
03/20/2023	337,454	337,956
03/21/2023	379,655	366,885
03/22/2023	340,793	325,852
03/23/2023	369,818	363,973
03/24/2023	346,983	337,532
03/25/2023	333,400	330,088
03/26/2023	348,888	337,144
03/27/2023	334,176	330,513
03/28/2023	376,591	370,005
03/29/2023	342,337	324,807
03/30/2023	369,896	363,028
03/31/2023	347,740	338,587
Totals:	**10,928,220**	**10,701,695**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
March 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
03/01/2023	8.3	7.5	8.8	8.8
03/02/2023	8.7	7.2	8.0	8.9
03/03/2023	8.7	7.4	8.0	8.9
03/04/2023	8.1	7.4	7.7	9.4
03/05/2023	8.1	6.4	7.6	9.4
03/06/2023	8.1	6.9	7.6	9.2
03/07/2023	8.7	7.1	8.4	9.2
03/08/2023	8.7	7.1	8.4	9.2
03/09/2023	8.3	7.3	7.5	10.1
03/10/2023	8.3	7.3	7.5	10.1
03/11/2023	7.7	7.2	7.5	8.7
03/12/2023	8.2	7.2	7.4	8.6
03/13/2023	7.3	7.2	7.4	8.8
03/14/2023	9.3	6.6	7.2	10.3
03/15/2023	6.6	6.7	6.8	7.5
03/16/2023	7.8	8.1	9.8	7.6
03/17/2023	6.8	8.0	6.9	9.1
03/18/2023	7.5	6.6	7.0	8.9
03/19/2023	7.9	6.3	7.1	8.4
03/20/2023	6.6	7.7	7.7	8.4
03/21/2023	9.0	7.2	8.6	8.8
03/22/2023	6.7	7.8	7.1	8.5
03/23/2023	8.5	7.2	8.3	9.0
03/24/2023	7.4	7.4	6.9	9.2
03/25/2023	8.5	5.7	6.9	8.9
03/26/2023	7.0	7.8	7.6	8.4
03/27/2023	7.9	6.3	7.4	8.3
03/28/2023	8.8	7.3	8.6	9.0
03/29/2023	7.2	7.4	7.0	8.4
03/30/2023	8.0	7.8	8.1	9.2
03/31/2023	6.1	8.6	7.0	9.2
Totals:	**244.8**	**223.7**	**237.8**	**276.5**
	468.4		**514.3**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
March 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
03/01/2023	0.0	15.8	0.0	17.7
03/02/2023	0.0	15.9	0.0	17.0
03/03/2023	0.0	15.9	0.0	17.0
03/04/2023	0.0	14.6	0.0	16.1
03/05/2023	0.0	14.6	0.0	16.0
03/06/2023	0.0	14.7	0.0	16.1
03/07/2023	0.0	15.8	0.0	17.6
03/08/2023	0.0	15.8	0.0	17.6
03/09/2023	0.0	15.8	0.0	17.4
03/10/2023	0.0	15.8	0.0	17.4
03/11/2023	0.0	14.8	0.0	16.2
03/12/2023	0.0	14.6	0.0	16.1
03/13/2023	0.0	14.6	0.0	16.2
03/14/2023	0.0	16.0	0.0	17.5
03/15/2023	0.0	13.3	0.0	14.4
03/16/2023	0.0	15.9	0.0	17.5
03/17/2023	0.0	14.9	0.0	16.1
03/18/2023	0.0	14.2	0.0	16.0
03/19/2023	0.0	14.3	0.0	15.6
03/20/2023	0.0	14.4	0.0	16.2
03/21/2023	0.0	16.3	0.0	17.5
03/22/2023	0.0	14.5	0.0	15.6
03/23/2023	0.0	15.8	0.0	17.4
03/24/2023	0.0	14.8	0.0	16.1
03/25/2023	0.0	14.3	0.0	15.8
03/26/2023	0.0	14.9	0.0	16.1
03/27/2023	0.0	14.3	0.0	15.8
03/28/2023	0.0	16.1	0.0	17.6
03/29/2023	0.0	14.6	0.0	15.5
03/30/2023	0.0	15.8	0.0	17.3
03/31/2023	0.0	14.9	0.0	16.2
Totals:	**0.0**	**468.0**	**0.0**	**512.6**
	468.0		**512.6**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
March 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
03/01/2023	0.0	0	24.0	336,874
03/02/2023	6.0	30,314	24.0	336,740
03/03/2023	0.0	0	24.0	337,008
03/04/2023	0.0	0	24.0	337,008
03/05/2023	0.0	0	24.0	336,828
03/06/2023	0.0	0	24.0	336,660
03/07/2023	6.0	30,814	24.0	336,455
03/08/2023	0.0	0	24.0	336,349
03/09/2023	6.0	30,760	24.0	336,349
03/10/2023	0.0	0	24.0	336,082
03/11/2023	0.0	0	24.0	336,323
03/12/2023	0.0	0	24.0	336,323
03/13/2023	0.0	0	24.0	335,944
03/14/2023	6.0	30,764	24.0	335,708
03/15/2023	0.0	0	22.0	307,303
03/16/2023	6.0	30,820	24.0	335,909
03/17/2023	0.0	0	24.0	335,661
03/18/2023	0.0	0	24.0	335,694
03/19/2023	0.0	0	24.0	335,786
03/20/2023	0.0	0	24.0	335,989
03/21/2023	6.0	30,771	24.0	335,626
03/22/2023	0.0	0	24.0	335,657
03/23/2023	6.0	30,759	24.0	335,388
03/24/2023	0.0	0	24.0	335,250
03/25/2023	0.0	0	24.0	335,487
03/26/2023	0.0	0	24.0	335,434
03/27/2023	0.0	0	24.0	335,097
03/28/2023	6.0	30,819	24.0	335,055
03/29/2023	0.0	0	24.0	334,983
03/30/2023	6.0	30,651	24.0	335,144
03/31/2023	0.0	0	24.0	335,111
Totals:	**54.0**	**276,472**	**742.0**	**10,385,224**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/01/2023 12:00 AM	0.0	196.5	411.5	411.5
03/01/2023 01:00 AM	0.0	196.4	411.5	411.5
03/01/2023 02:00 AM	0.0	196.4	411.5	411.5
03/01/2023 03:00 AM	0.0	196.4	411.5	411.5
03/01/2023 04:00 AM	0.0	196.4	411.5	411.5
03/01/2023 05:00 AM	0.0	196.4	411.5	411.5
03/01/2023 06:00 AM	0.0	196.4	411.5	411.5
03/01/2023 07:00 AM	0.0	196.4	411.5	411.5
03/01/2023 08:00 AM	0.0	196.4	411.5	411.5
03/01/2023 09:00 AM	0.0	196.4	411.5	411.5
03/01/2023 10:00 AM	0.0	196.4	411.5	411.5
03/01/2023 11:00 AM	0.0	196.4	411.5	411.5
03/01/2023 12:00 PM	0.0	196.4	411.5	411.5
03/01/2023 01:00 PM	0.0	196.3	411.5	411.5
03/01/2023 02:00 PM	0.0	196.3	411.5	411.5
03/01/2023 03:00 PM	0.0	196.3	411.5	411.5
03/01/2023 04:00 PM	0.0	196.3	411.5	411.5
03/01/2023 05:00 PM	0.0	196.3	411.5	411.5
03/01/2023 06:00 PM	0.0	196.3	411.5	411.5
03/01/2023 07:00 PM	0.0	196.3	411.5	411.5
03/01/2023 08:00 PM	0.0	196.3	411.5	411.5
03/01/2023 09:00 PM	0.0	196.3	411.5	411.5
03/01/2023 10:00 PM	0.0	196.3	411.5	411.5
03/01/2023 11:00 PM	0.0	196.3	411.5	411.5
03/02/2023 12:00 AM	0.0	196.3	411.5	411.5
03/02/2023 01:00 AM	0.0	196.3	411.5	411.5
03/02/2023 02:00 AM	0.0	196.3	411.5	411.5
03/02/2023 03:00 AM	0.0	196.3	411.5	411.5
03/02/2023 04:00 AM	0.0	196.3	411.5	411.5
03/02/2023 05:00 AM	0.0	196.3	411.5	411.5
03/02/2023 06:00 AM	0.0	196.3	411.5	411.5
03/02/2023 07:00 AM	0.0	196.3	411.5	411.5
03/02/2023 08:00 AM	0.0	196.3	411.5	411.5
03/02/2023 09:00 AM	193.4	196.3	411.5	411.5
03/02/2023 10:00 AM	88.4	196.9	137.2	411.5
03/02/2023 11:00 AM	203.9	196.8	267.5	411.5
03/02/2023 12:00 PM	204.0	196.8	411.5	411.5
03/02/2023 01:00 PM	204.2	196.8	411.5	411.5
03/02/2023 02:00 PM	204.3	196.8	411.5	411.5
03/02/2023 03:00 PM	81.7	197.2	411.5	411.5
03/02/2023 04:00 PM	0.0	196.8	411.5	411.5
03/02/2023 05:00 PM	0.0	196.6	411.5	411.5
03/02/2023 06:00 PM	0.0	196.5	411.5	411.5
03/02/2023 07:00 PM	0.0	196.5	411.5	411.5
03/02/2023 08:00 PM	0.0	196.5	411.5	411.5
03/02/2023 09:00 PM	0.0	196.5	411.5	411.5
03/02/2023 10:00 PM	0.0	196.5	411.5	411.5
03/02/2023 11:00 PM	0.0	196.5	411.5	411.5
03/03/2023 12:00 AM	0.0	196.5	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/03/2023 01:00 AM	0.0	196.6	411.5	411.5
03/03/2023 02:00 AM	0.0	196.6	411.5	411.5
03/03/2023 03:00 AM	0.0	196.6	411.5	411.5
03/03/2023 04:00 AM	0.0	196.7	411.5	411.5
03/03/2023 05:00 AM	0.0	196.7	411.5	411.5
03/03/2023 06:00 AM	0.0	196.7	411.5	411.5
03/03/2023 07:00 AM	0.0	196.7	411.5	411.5
03/03/2023 08:00 AM	0.0	196.7	411.5	411.5
03/03/2023 09:00 AM	0.0	196.6	411.5	411.5
03/03/2023 10:00 AM	0.0	196.6	411.5	411.5
03/03/2023 11:00 AM	0.0	196.6	411.5	411.5
03/03/2023 12:00 PM	0.0	196.6	411.5	411.5
03/03/2023 01:00 PM	0.0	196.5	411.5	411.5
03/03/2023 02:00 PM	0.0	196.5	411.5	411.5
03/03/2023 03:00 PM	0.0	196.5	411.5	411.5
03/03/2023 04:00 PM	0.0	196.5	411.5	411.5
03/03/2023 05:00 PM	0.0	196.5	411.5	411.5
03/03/2023 06:00 PM	0.0	196.5	411.5	411.5
03/03/2023 07:00 PM	0.0	196.5	411.5	411.5
03/03/2023 08:00 PM	0.0	196.5	411.5	411.5
03/03/2023 09:00 PM	0.0	196.5	411.5	411.5
03/03/2023 10:00 PM	0.0	196.5	411.5	411.5
03/03/2023 11:00 PM	0.0	196.5	411.5	411.5
03/04/2023 12:00 AM	0.0	196.5	411.5	411.5
03/04/2023 01:00 AM	0.0	196.5	411.5	411.5
03/04/2023 02:00 AM	0.0	196.5	411.5	411.5
03/04/2023 03:00 AM	0.0	196.5	411.5	411.5
03/04/2023 04:00 AM	0.0	196.5	411.5	411.5
03/04/2023 05:00 AM	0.0	196.5	411.5	411.5
03/04/2023 06:00 AM	0.0	196.5	411.5	411.5
03/04/2023 07:00 AM	0.0	196.5	411.5	411.5
03/04/2023 08:00 AM	0.0	196.5	411.5	411.5
03/04/2023 09:00 AM	0.0	196.6	411.5	411.5
03/04/2023 10:00 AM	0.0	196.6	411.5	411.5
03/04/2023 11:00 AM	0.0	196.6	411.5	411.5
03/04/2023 12:00 PM	0.0	196.5	411.5	411.5
03/04/2023 01:00 PM	0.0	196.5	411.5	411.5
03/04/2023 02:00 PM	0.0	196.5	411.5	411.5
03/04/2023 03:00 PM	0.0	196.5	411.5	411.5
03/04/2023 04:00 PM	0.0	196.5	411.5	411.5
03/04/2023 05:00 PM	0.0	196.5	411.5	411.5
03/04/2023 06:00 PM	0.0	196.5	411.5	411.5
03/04/2023 07:00 PM	0.0	196.5	411.5	411.5
03/04/2023 08:00 PM	0.0	196.5	411.5	411.5
03/04/2023 09:00 PM	0.0	196.5	411.5	411.5
03/04/2023 10:00 PM	0.0	196.5	411.5	411.5
03/04/2023 11:00 PM	0.0	196.5	411.5	411.5
03/05/2023 12:00 AM	0.0	196.5	411.5	411.5
03/05/2023 01:00 AM	0.0	196.5	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/05/2023 02:00 AM	0.0	196.5	411.5	411.5
03/05/2023 03:00 AM	0.0	196.5	411.5	411.5
03/05/2023 04:00 AM	0.0	196.5	411.5	411.5
03/05/2023 05:00 AM	0.0	196.5	411.5	411.5
03/05/2023 06:00 AM	0.0	196.5	411.5	411.5
03/05/2023 07:00 AM	0.0	196.5	411.5	411.5
03/05/2023 08:00 AM	0.0	196.5	411.5	411.5
03/05/2023 09:00 AM	0.0	196.5	411.5	411.5
03/05/2023 10:00 AM	0.0	196.6	411.5	411.5
03/05/2023 11:00 AM	0.0	196.6	411.5	411.5
03/05/2023 12:00 PM	0.0	196.6	411.5	411.5
03/05/2023 01:00 PM	0.0	196.5	411.5	411.5
03/05/2023 02:00 PM	0.0	196.5	411.5	411.5
03/05/2023 03:00 PM	0.0	196.5	411.5	411.5
03/05/2023 04:00 PM	0.0	196.5	411.5	411.5
03/05/2023 05:00 PM	0.0	196.5	411.5	411.5
03/05/2023 06:00 PM	0.0	196.5	411.5	411.5
03/05/2023 07:00 PM	0.0	196.5	411.5	411.5
03/05/2023 08:00 PM	0.0	196.5	411.5	411.5
03/05/2023 09:00 PM	0.0	196.6	411.5	411.5
03/05/2023 10:00 PM	0.0	196.6	411.5	411.5
03/05/2023 11:00 PM	0.0	196.6	411.5	411.5
03/06/2023 12:00 AM	0.0	196.6	411.5	411.5
03/06/2023 01:00 AM	0.0	196.6	411.5	411.5
03/06/2023 02:00 AM	0.0	196.5	411.5	411.5
03/06/2023 03:00 AM	0.0	196.5	411.5	411.5
03/06/2023 04:00 AM	0.0	196.5	411.5	411.5
03/06/2023 05:00 AM	0.0	196.5	411.5	411.5
03/06/2023 06:00 AM	0.0	196.5	411.5	411.5
03/06/2023 07:00 AM	0.0	196.5	411.5	411.5
03/06/2023 08:00 AM	0.0	196.5	411.5	411.5
03/06/2023 09:00 AM	0.0	196.6	411.5	411.5
03/06/2023 10:00 AM	0.0	196.6	411.5	411.5
03/06/2023 11:00 AM	0.0	196.6	411.5	411.5
03/06/2023 12:00 PM	0.0	196.6	411.5	411.5
03/06/2023 01:00 PM	0.0	196.6	411.5	411.5
03/06/2023 02:00 PM	0.0	196.5	411.5	411.5
03/06/2023 03:00 PM	0.0	196.5	411.5	411.5
03/06/2023 04:00 PM	0.0	196.5	411.5	411.5
03/06/2023 05:00 PM	0.0	196.5	411.5	411.5
03/06/2023 06:00 PM	0.0	196.5	411.5	411.5
03/06/2023 07:00 PM	0.0	196.5	411.5	411.5
03/06/2023 08:00 PM	0.0	196.5	411.5	411.5
03/06/2023 09:00 PM	0.0	196.5	411.5	411.5
03/06/2023 10:00 PM	0.0	196.5	411.5	411.5
03/06/2023 11:00 PM	0.0	196.5	411.5	411.5
03/07/2023 12:00 AM				
03/07/2023 01:00 AM				
03/07/2023 02:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/07/2023 03:00 AM				
03/07/2023 04:00 AM				
03/07/2023 05:00 AM				
03/07/2023 06:00 AM				
03/07/2023 07:00 AM				
03/07/2023 08:00 AM				
03/07/2023 09:00 AM				
03/07/2023 10:00 AM	204.3	196.5	411.5	411.5
03/07/2023 11:00 AM	204.5	196.5	411.5	411.5
03/07/2023 12:00 PM	204.6	196.5	411.5	411.5
03/07/2023 01:00 PM	204.7	196.5	411.5	411.5
03/07/2023 02:00 PM	204.8	196.5	411.5	411.5
03/07/2023 03:00 PM			411.5	411.5
03/07/2023 04:00 PM	0.0	197.0	411.5	411.5
03/07/2023 05:00 PM	0.0	196.9	411.5	411.5
03/07/2023 06:00 PM	0.0	196.8	411.5	411.5
03/07/2023 07:00 PM	0.0	196.8	411.5	411.5
03/07/2023 08:00 PM	0.0	196.7	411.5	411.5
03/07/2023 09:00 PM	0.0	196.7	411.5	411.5
03/07/2023 10:00 PM	0.0	196.7	411.5	411.5
03/07/2023 11:00 PM	0.0	196.7	411.5	411.5
03/08/2023 12:00 AM	0.0	196.7	411.5	411.5
03/08/2023 01:00 AM	0.0	196.7	411.5	411.5
03/08/2023 02:00 AM	0.0	196.7	411.5	411.5
03/08/2023 03:00 AM	0.0	196.7	411.5	411.5
03/08/2023 04:00 AM	0.0	196.6	411.5	411.5
03/08/2023 05:00 AM	0.0	196.6	411.5	411.5
03/08/2023 06:00 AM	0.0	196.6	411.5	411.5
03/08/2023 07:00 AM	0.0	196.6	411.5	411.5
03/08/2023 08:00 AM	0.0	196.6	411.5	411.5
03/08/2023 09:00 AM	0.0	196.6	411.5	411.5
03/08/2023 10:00 AM	0.0	196.7	411.5	411.5
03/08/2023 11:00 AM	0.0	196.7	411.5	411.5
03/08/2023 12:00 PM	0.0	196.7	411.5	411.5
03/08/2023 01:00 PM	0.0	196.6	411.5	411.5
03/08/2023 02:00 PM	0.0	196.6	411.5	411.5
03/08/2023 03:00 PM	0.0	196.6	411.5	411.5
03/08/2023 04:00 PM	0.0	196.6	411.5	411.5
03/08/2023 05:00 PM	0.0	196.6	411.5	411.5
03/08/2023 06:00 PM	0.0	196.6	411.5	411.5
03/08/2023 07:00 PM	0.0	196.6	411.5	411.5
03/08/2023 08:00 PM	0.0	196.6	411.5	411.5
03/08/2023 09:00 PM	0.0	196.6	411.5	411.5
03/08/2023 10:00 PM	0.0	196.6	411.5	411.5
03/08/2023 11:00 PM	0.0	196.6	411.5	411.5
03/09/2023 12:00 AM	0.0	196.7	411.5	411.5
03/09/2023 01:00 AM	0.0	196.7	411.5	411.5
03/09/2023 02:00 AM	0.0	196.8	411.5	411.5
03/09/2023 03:00 AM	0.0	196.8	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/09/2023 04:00 AM	0.0	196.8	411.5	411.5
03/09/2023 05:00 AM	0.0	196.8	411.5	411.5
03/09/2023 06:00 AM	0.0	196.7	411.5	411.5
03/09/2023 07:00 AM	0.0	196.8	411.5	411.5
03/09/2023 08:00 AM	0.0	196.8	411.5	411.5
03/09/2023 09:00 AM	180.2	196.8	411.5	411.5
03/09/2023 10:00 AM	204.5	196.8	411.5	411.5
03/09/2023 11:00 AM	204.7	196.8	411.5	411.5
03/09/2023 12:00 PM	204.8	196.8	411.5	411.5
03/09/2023 01:00 PM	204.8	196.8	411.5	411.5
03/09/2023 02:00 PM	204.9	196.8	411.5	411.5
03/09/2023 03:00 PM	10.2	197.9	411.5	411.5
03/09/2023 04:00 PM	0.0	197.2	411.5	411.5
03/09/2023 05:00 PM	0.0	197.1	411.5	411.5
03/09/2023 06:00 PM	0.0	197.0	411.5	411.5
03/09/2023 07:00 PM	0.0	196.9	411.5	411.5
03/09/2023 08:00 PM	0.0	196.9	411.5	411.5
03/09/2023 09:00 PM	0.0	196.9	411.5	411.5
03/09/2023 10:00 PM	0.0	196.9	411.5	411.5
03/09/2023 11:00 PM	0.0	196.9	411.5	411.5
03/10/2023 12:00 AM	0.0	196.9	411.5	411.5
03/10/2023 01:00 AM	0.0	197.0	411.5	411.5
03/10/2023 02:00 AM	0.0	197.0	411.5	411.5
03/10/2023 03:00 AM	0.0	197.1	411.5	411.5
03/10/2023 04:00 AM	0.0	197.1	411.5	411.5
03/10/2023 05:00 AM	0.0	197.1	411.5	411.5
03/10/2023 06:00 AM	0.0	197.1	411.5	411.5
03/10/2023 07:00 AM	0.0	197.0	411.5	411.5
03/10/2023 08:00 AM	0.0	197.0	411.5	411.5
03/10/2023 09:00 AM	0.0	197.0	411.5	411.5
03/10/2023 10:00 AM	0.0	197.0	411.5	411.5
03/10/2023 11:00 AM	0.0	197.0	411.5	411.5
03/10/2023 12:00 PM	0.0	197.0	411.5	411.5
03/10/2023 01:00 PM	0.0	197.0	411.5	411.5
03/10/2023 02:00 PM	0.0	196.9	411.5	411.5
03/10/2023 03:00 PM	0.0	196.9	411.5	411.5
03/10/2023 04:00 PM	0.0	196.9	411.5	411.5
03/10/2023 05:00 PM	0.0	196.8	411.5	411.5
03/10/2023 06:00 PM	0.0	196.8	411.5	411.5
03/10/2023 07:00 PM	0.0	196.8	411.5	411.5
03/10/2023 08:00 PM	0.0	196.8	411.5	411.5
03/10/2023 09:00 PM	0.0	196.8	411.5	411.5
03/10/2023 10:00 PM	0.0	196.8	411.5	411.5
03/10/2023 11:00 PM	0.0	196.8	411.5	411.5
03/11/2023 12:00 AM	0.0	196.8	411.5	411.5
03/11/2023 01:00 AM	0.0	196.8	411.5	411.5
03/11/2023 02:00 AM	0.0	196.8	411.5	411.5
03/11/2023 03:00 AM	0.0	196.8	411.5	411.5
03/11/2023 04:00 AM	0.0	196.8	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/11/2023 05:00 AM	0.0	196.8	411.5	411.5
03/11/2023 06:00 AM	0.0	196.8	411.5	411.5
03/11/2023 07:00 AM	0.0	196.8	411.5	411.5
03/11/2023 08:00 AM	0.0	196.8	411.5	411.5
03/11/2023 09:00 AM	0.0	196.8	411.5	411.5
03/11/2023 10:00 AM	0.0	196.8	411.5	411.5
03/11/2023 11:00 AM	0.0	196.8	411.5	411.5
03/11/2023 12:00 PM	0.0	196.8	411.5	411.5
03/11/2023 01:00 PM	0.0	196.8	411.5	411.5
03/11/2023 02:00 PM	0.0	196.8	411.5	411.5
03/11/2023 03:00 PM	0.0	196.7	411.5	411.5
03/11/2023 04:00 PM	0.0	196.7	411.5	411.5
03/11/2023 05:00 PM	0.0	196.7	411.5	411.5
03/11/2023 06:00 PM	0.0	196.7	411.5	411.5
03/11/2023 07:00 PM	0.0	196.7	411.5	411.5
03/11/2023 08:00 PM	0.0	196.7	411.5	411.5
03/11/2023 09:00 PM	0.0	196.7	411.5	411.5
03/11/2023 10:00 PM	0.0	196.7	411.5	411.5
03/11/2023 11:00 PM	0.0	196.7	411.5	411.5
03/12/2023 12:00 AM	0.0	196.7	411.5	411.5
03/12/2023 01:00 AM	0.0	196.7	411.5	411.5
03/12/2023 02:00 AM				
03/12/2023 03:00 AM	0.0	196.7	411.5	411.5
03/12/2023 04:00 AM	0.0	196.7	411.5	411.5
03/12/2023 05:00 AM	0.0	196.7	411.5	411.5
03/12/2023 06:00 AM	0.0	196.7	411.5	411.5
03/12/2023 07:00 AM	0.0	196.7	411.5	411.5
03/12/2023 08:00 AM	0.0	196.8	411.5	411.5
03/12/2023 09:00 AM	0.0	196.8	411.5	411.5
03/12/2023 10:00 AM	0.0	196.8	411.5	411.5
03/12/2023 11:00 AM	0.0	196.8	411.5	411.5
03/12/2023 12:00 PM	0.0	196.8	411.5	411.5
03/12/2023 01:00 PM	0.0	196.8	411.5	411.5
03/12/2023 02:00 PM	0.0	196.7	411.5	411.5
03/12/2023 03:00 PM	0.0	196.7	411.5	411.5
03/12/2023 04:00 PM	0.0	196.7	411.5	411.5
03/12/2023 05:00 PM	0.0	196.7	411.5	411.5
03/12/2023 06:00 PM	0.0	196.7	411.5	411.5
03/12/2023 07:00 PM	0.0	196.7	411.5	411.5
03/12/2023 08:00 PM	0.0	196.7	411.5	411.5
03/12/2023 09:00 PM	0.0	196.7	411.5	411.5
03/12/2023 10:00 PM	0.0	196.7	411.5	411.5
03/12/2023 11:00 PM	0.0	196.7	411.5	411.5
03/13/2023 12:00 AM	0.0	196.7	411.5	411.5
03/13/2023 01:00 AM	0.0	196.7	411.5	411.5
03/13/2023 02:00 AM	0.0	196.7	411.5	411.5
03/13/2023 03:00 AM	0.0	196.7	411.5	411.5
03/13/2023 04:00 AM	0.0	196.7	411.5	411.5
03/13/2023 05:00 AM	0.0	196.7	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/13/2023 06:00 AM	0.0	196.7	411.5	411.5
03/13/2023 07:00 AM	0.0	196.7	411.5	411.5
03/13/2023 08:00 AM	0.0	196.7	411.5	411.5
03/13/2023 09:00 AM	0.0	196.7	411.5	411.5
03/13/2023 10:00 AM	0.0	196.7	411.5	411.5
03/13/2023 11:00 AM	0.0	196.7	411.5	411.5
03/13/2023 12:00 PM	0.0	196.7	411.5	411.5
03/13/2023 01:00 PM	0.0	196.7	411.5	411.5
03/13/2023 02:00 PM	0.0	196.7	411.5	411.5
03/13/2023 03:00 PM	0.0	196.7	411.5	411.5
03/13/2023 04:00 PM	0.0	196.7	411.5	411.5
03/13/2023 05:00 PM	0.0	196.7	411.5	411.5
03/13/2023 06:00 PM	0.0	196.7	411.5	411.5
03/13/2023 07:00 PM	0.0	196.7	411.5	411.5
03/13/2023 08:00 PM	0.0	196.7	411.5	411.5
03/13/2023 09:00 PM	0.0	196.6	411.5	411.5
03/13/2023 10:00 PM	0.0	196.6	411.5	411.5
03/13/2023 11:00 PM	0.0	196.6	411.5	411.5
03/14/2023 12:00 AM	0.0	196.6	411.5	411.5
03/14/2023 01:00 AM	0.0	196.6	411.5	411.5
03/14/2023 02:00 AM	0.0	196.6	411.5	411.5
03/14/2023 03:00 AM	0.0	196.6	411.5	411.5
03/14/2023 04:00 AM	0.0	196.7	411.5	411.5
03/14/2023 05:00 AM	0.0	196.7	411.5	411.5
03/14/2023 06:00 AM	0.0	196.7	411.5	411.5
03/14/2023 07:00 AM	0.0	196.7	411.5	411.5
03/14/2023 08:00 AM	0.0	196.7	411.5	411.5
03/14/2023 09:00 AM	0.0	196.7	411.5	411.5
03/14/2023 10:00 AM	3.4	196.7	411.5	411.5
03/14/2023 11:00 AM	204.4	196.7	411.5	411.5
03/14/2023 12:00 PM	204.7	196.7	411.5	411.5
03/14/2023 01:00 PM	204.8	196.7	411.5	411.5
03/14/2023 02:00 PM	204.9	196.7	411.5	411.5
03/14/2023 03:00 PM	205.0	196.7	411.5	411.5
03/14/2023 04:00 PM	54.7	197.4	411.5	411.5
03/14/2023 05:00 PM	0.0	197.3	411.5	411.5
03/14/2023 06:00 PM	0.0	197.1	411.5	411.5
03/14/2023 07:00 PM	0.0	197.1	411.5	411.5
03/14/2023 08:00 PM	0.0	197.0	411.5	411.5
03/14/2023 09:00 PM	0.0	197.0	411.5	411.5
03/14/2023 10:00 PM	0.0	196.9	411.5	411.5
03/14/2023 11:00 PM	0.0	196.9	411.5	411.5
03/15/2023 12:00 AM	0.0	196.9	411.5	411.5
03/15/2023 01:00 AM	0.0	196.9	411.5	411.5
03/15/2023 02:00 AM	0.0	196.8	411.5	411.5
03/15/2023 03:00 AM	0.0	196.8	411.5	411.5
03/15/2023 04:00 AM	0.0	196.8	411.5	411.5
03/15/2023 05:00 AM	0.0	196.8	411.5	411.5
03/15/2023 06:00 AM	0.0	196.8	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/15/2023 07:00 AM	0.0	196.8	411.5	411.5
03/15/2023 08:00 AM	0.0	196.8	411.5	411.5
03/15/2023 09:00 AM	0.0	196.8	336.1	411.5
03/15/2023 10:00 AM	0.0	196.7	0.0	411.5
03/15/2023 11:00 AM	0.0	196.4	68.6	411.5
03/15/2023 12:00 PM	0.0	196.2	411.5	411.5
03/15/2023 01:00 PM	0.0	196.4	411.5	411.5
03/15/2023 02:00 PM	0.0	196.5	411.5	411.5
03/15/2023 03:00 PM	0.0	196.6	411.5	411.5
03/15/2023 04:00 PM	0.0	196.6	411.5	411.5
03/15/2023 05:00 PM	0.0	196.7	411.5	411.5
03/15/2023 06:00 PM	0.0	196.7	411.5	411.5
03/15/2023 07:00 PM	0.0	196.7	411.5	411.5
03/15/2023 08:00 PM	0.0	196.7	411.5	411.5
03/15/2023 09:00 PM	0.0	196.7	411.5	411.5
03/15/2023 10:00 PM	0.0	196.7	411.5	411.5
03/15/2023 11:00 PM	0.0	196.7	411.5	411.5
03/16/2023 12:00 AM	0.0	196.7	411.5	411.5
03/16/2023 01:00 AM	0.0	196.8	411.5	411.5
03/16/2023 02:00 AM	0.0	196.8	411.5	411.5
03/16/2023 03:00 AM	0.0	196.8	411.5	411.5
03/16/2023 04:00 AM	0.0	196.8	411.5	411.5
03/16/2023 05:00 AM	0.0	196.8	411.5	411.5
03/16/2023 06:00 AM	0.0	196.8	411.5	411.5
03/16/2023 07:00 AM	0.0	196.8	411.5	411.5
03/16/2023 08:00 AM	0.0	196.8	411.5	411.5
03/16/2023 09:00 AM	0.0	196.8	411.5	411.5
03/16/2023 10:00 AM	192.9	196.8	411.5	411.5
03/16/2023 11:00 AM	204.3	196.8	411.5	411.5
03/16/2023 12:00 PM	204.7	196.8	411.5	411.5
03/16/2023 01:00 PM	204.8	196.8	411.5	411.5
03/16/2023 02:00 PM	204.8	196.8	411.5	411.5
03/16/2023 03:00 PM	204.9	196.8	411.5	411.5
03/16/2023 04:00 PM	10.3	197.9	411.5	411.5
03/16/2023 05:00 PM	0.0	197.2	411.5	411.5
03/16/2023 06:00 PM	0.0	197.1	411.5	411.5
03/16/2023 07:00 PM	0.0	197.0	411.5	411.5
03/16/2023 08:00 PM	0.0	197.0	411.5	411.5
03/16/2023 09:00 PM	0.0	196.9	411.5	411.5
03/16/2023 10:00 PM	0.0	196.9	411.5	411.5
03/16/2023 11:00 PM	0.0	196.9	411.5	411.5
03/17/2023 12:00 AM	0.0	196.9	411.5	411.5
03/17/2023 01:00 AM	0.0	196.9	411.5	411.5
03/17/2023 02:00 AM	0.0	197.0	411.5	411.5
03/17/2023 03:00 AM	0.0	197.0	411.5	411.5
03/17/2023 04:00 AM	0.0	197.1	411.5	411.5
03/17/2023 05:00 AM	0.0	197.1	411.5	411.5
03/17/2023 06:00 AM	0.0	197.2	411.5	411.5
03/17/2023 07:00 AM	0.0	197.2	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/17/2023 08:00 AM	0.0	197.1	411.5	411.5
03/17/2023 09:00 AM	0.0	197.1	411.5	411.5
03/17/2023 10:00 AM	0.0	197.1	411.5	411.5
03/17/2023 11:00 AM	0.0	197.1	411.5	411.5
03/17/2023 12:00 PM	0.0	197.1	411.5	411.5
03/17/2023 01:00 PM	0.0	197.0	411.5	411.5
03/17/2023 02:00 PM	0.0	197.0	411.5	411.5
03/17/2023 03:00 PM	0.0	196.9	411.5	411.5
03/17/2023 04:00 PM	0.0	196.9	411.5	411.5
03/17/2023 05:00 PM	0.0	196.9	411.5	411.5
03/17/2023 06:00 PM	0.0	196.9	411.5	411.5
03/17/2023 07:00 PM	0.0	196.9	411.5	411.5
03/17/2023 08:00 PM	0.0	196.9	411.5	411.5
03/17/2023 09:00 PM	0.0	196.9	411.5	411.5
03/17/2023 10:00 PM	0.0	196.9	411.5	411.5
03/17/2023 11:00 PM	0.0	196.9	411.5	411.5
03/18/2023 12:00 AM	0.0	196.8	411.5	411.5
03/18/2023 01:00 AM	0.0	196.8	411.5	411.5
03/18/2023 02:00 AM	0.0	196.8	411.5	411.5
03/18/2023 03:00 AM	0.0	196.8	411.5	411.5
03/18/2023 04:00 AM	0.0	196.8	411.5	411.5
03/18/2023 05:00 AM	0.0	196.8	411.5	411.5
03/18/2023 06:00 AM	0.0	196.8	411.5	411.5
03/18/2023 07:00 AM	0.0	196.8	411.5	411.5
03/18/2023 08:00 AM	0.0	196.8	411.5	411.5
03/18/2023 09:00 AM	0.0	196.8	411.5	411.5
03/18/2023 10:00 AM	0.0	196.8	411.5	411.5
03/18/2023 11:00 AM	0.0	196.8	411.5	411.5
03/18/2023 12:00 PM	0.0	196.8	411.5	411.5
03/18/2023 01:00 PM	0.0	196.8	411.5	411.5
03/18/2023 02:00 PM	0.0	196.8	411.5	411.5
03/18/2023 03:00 PM	0.0	196.8	411.5	411.5
03/18/2023 04:00 PM	0.0	196.8	411.5	411.5
03/18/2023 05:00 PM	0.0	196.8	411.5	411.5
03/18/2023 06:00 PM	0.0	196.8	411.5	411.5
03/18/2023 07:00 PM	0.0	196.8	411.5	411.5
03/18/2023 08:00 PM	0.0	196.8	411.5	411.5
03/18/2023 09:00 PM	0.0	196.8	411.5	411.5
03/18/2023 10:00 PM	0.0	196.8	411.5	411.5
03/18/2023 11:00 PM	0.0	196.8	411.5	411.5
03/19/2023 12:00 AM	0.0	196.8	411.5	411.5
03/19/2023 01:00 AM	0.0	196.8	411.5	411.5
03/19/2023 02:00 AM	0.0	196.8	411.5	411.5
03/19/2023 03:00 AM	0.0	196.8	411.5	411.5
03/19/2023 04:00 AM	0.0	196.8	411.5	411.5
03/19/2023 05:00 AM	0.0	196.8	411.5	411.5
03/19/2023 06:00 AM	0.0	196.8	411.5	411.5
03/19/2023 07:00 AM	0.0	196.8	411.5	411.5
03/19/2023 08:00 AM	0.0	196.8	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/19/2023 09:00 AM	0.0	196.8	411.5	411.5
03/19/2023 10:00 AM	0.0	196.8	411.5	411.5
03/19/2023 11:00 AM	0.0	196.8	411.5	411.5
03/19/2023 12:00 PM	0.0	196.8	411.5	411.5
03/19/2023 01:00 PM	0.0	196.7	411.5	411.5
03/19/2023 02:00 PM	0.0	196.7	411.5	411.5
03/19/2023 03:00 PM	0.0	196.7	411.5	411.5
03/19/2023 04:00 PM	0.0	196.6	411.5	411.5
03/19/2023 05:00 PM	0.0	196.6	411.5	411.5
03/19/2023 06:00 PM	0.0	196.6	411.5	411.5
03/19/2023 07:00 PM	0.0	196.6	411.5	411.5
03/19/2023 08:00 PM	0.0	196.6	411.5	411.5
03/19/2023 09:00 PM	0.0	196.6	411.5	411.5
03/19/2023 10:00 PM	0.0	196.6	411.5	411.5
03/19/2023 11:00 PM	0.0	196.6	411.5	411.5
03/20/2023 12:00 AM	0.0	196.6	411.5	411.5
03/20/2023 01:00 AM	0.0	196.6	411.5	411.5
03/20/2023 02:00 AM	0.0	196.6	411.5	411.5
03/20/2023 03:00 AM	0.0	196.6	411.5	411.5
03/20/2023 04:00 AM	0.0	196.5	411.5	411.5
03/20/2023 05:00 AM	0.0	196.5	411.5	411.5
03/20/2023 06:00 AM	0.0	196.5	411.5	411.5
03/20/2023 07:00 AM	0.0	196.5	411.5	411.5
03/20/2023 08:00 AM	0.0	196.5	411.5	411.5
03/20/2023 09:00 AM	0.0	196.5	411.5	411.5
03/20/2023 10:00 AM	0.0	196.5	411.5	411.5
03/20/2023 11:00 AM	0.0	196.5	411.5	411.5
03/20/2023 12:00 PM	0.0	196.5	411.5	411.5
03/20/2023 01:00 PM	0.0	196.5	411.5	411.5
03/20/2023 02:00 PM	0.0	196.5	411.5	411.5
03/20/2023 03:00 PM	0.0	196.4	411.5	411.5
03/20/2023 04:00 PM	0.0	196.4	411.5	411.5
03/20/2023 05:00 PM	0.0	196.4	411.5	411.5
03/20/2023 06:00 PM	0.0	196.4	411.5	411.5
03/20/2023 07:00 PM	0.0	196.4	411.5	411.5
03/20/2023 08:00 PM	0.0	196.4	411.5	411.5
03/20/2023 09:00 PM	0.0	196.4	411.5	411.5
03/20/2023 10:00 PM	0.0	196.4	411.5	411.5
03/20/2023 11:00 PM	0.0	196.5	411.5	411.5
03/21/2023 12:00 AM	0.0	196.5	411.5	411.5
03/21/2023 01:00 AM	0.0	196.5	411.5	411.5
03/21/2023 02:00 AM	0.0	196.5	411.5	411.5
03/21/2023 03:00 AM	0.0	196.5	411.5	411.5
03/21/2023 04:00 AM	0.0	196.4	411.5	411.5
03/21/2023 05:00 AM	0.0	196.4	411.5	411.5
03/21/2023 06:00 AM	0.0	196.4	411.5	411.5
03/21/2023 07:00 AM	0.0	196.4	411.5	411.5
03/21/2023 08:00 AM	0.0	196.5	411.5	411.5
03/21/2023 09:00 AM	193.5	196.5	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/21/2023 10:00 AM	204.4	196.5	411.5	411.5
03/21/2023 11:00 AM	204.6	196.5	411.5	411.5
03/21/2023 12:00 PM	204.6	196.5	411.5	411.5
03/21/2023 01:00 PM	204.7	196.5	411.5	411.5
03/21/2023 02:00 PM	204.8	196.5	411.5	411.5
03/21/2023 03:00 PM	13.7	197.5	411.5	411.5
03/21/2023 04:00 PM	0.0	197.0	411.5	411.5
03/21/2023 05:00 PM	0.0	196.9	411.5	411.5
03/21/2023 06:00 PM	0.0	196.8	411.5	411.5
03/21/2023 07:00 PM	0.0	196.8	411.5	411.5
03/21/2023 08:00 PM	0.0	196.7	411.5	411.5
03/21/2023 09:00 PM	0.0	196.7	411.5	411.5
03/21/2023 10:00 PM	0.0	196.8	411.5	411.5
03/21/2023 11:00 PM	0.0	196.8	411.5	411.5
03/22/2023 12:00 AM	0.0	196.8	411.5	411.5
03/22/2023 01:00 AM	0.0	196.9	411.5	411.5
03/22/2023 02:00 AM	0.0	196.9	411.5	411.5
03/22/2023 03:00 AM	0.0	197.0	411.5	411.5
03/22/2023 04:00 AM	0.0	197.0	411.5	411.5
03/22/2023 05:00 AM	0.0	197.1	411.5	411.5
03/22/2023 06:00 AM	0.0	197.1	411.5	411.5
03/22/2023 07:00 AM	0.0	197.1	411.5	411.5
03/22/2023 08:00 AM	0.0	197.1	411.5	411.5
03/22/2023 09:00 AM	0.0	197.1	411.5	411.5
03/22/2023 10:00 AM	0.0	197.1	411.5	411.5
03/22/2023 11:00 AM	0.0	197.1	411.5	411.5
03/22/2023 12:00 PM	0.0	197.0	411.5	411.5
03/22/2023 01:00 PM	0.0	197.0	411.5	411.5
03/22/2023 02:00 PM	0.0	197.0	411.5	411.5
03/22/2023 03:00 PM	0.0	197.0	411.5	411.5
03/22/2023 04:00 PM	0.0	196.9	411.5	411.5
03/22/2023 05:00 PM	0.0	196.9	411.5	411.5
03/22/2023 06:00 PM	0.0	196.9	411.5	411.5
03/22/2023 07:00 PM	0.0	196.8	411.5	411.5
03/22/2023 08:00 PM	0.0	196.8	411.5	411.5
03/22/2023 09:00 PM	0.0	196.8	411.5	411.5
03/22/2023 10:00 PM	0.0	196.9	411.5	411.5
03/22/2023 11:00 PM	0.0	196.9	411.5	411.5
03/23/2023 12:00 AM	0.0	196.9	411.5	411.5
03/23/2023 01:00 AM	0.0	196.9	411.5	411.5
03/23/2023 02:00 AM	0.0	197.0	411.5	411.5
03/23/2023 03:00 AM	0.0	197.0	411.5	411.5
03/23/2023 04:00 AM	0.0	197.0	411.5	411.5
03/23/2023 05:00 AM	0.0	197.0	411.5	411.5
03/23/2023 06:00 AM	0.0	197.0	411.5	411.5
03/23/2023 07:00 AM	0.0	197.0	411.5	411.5
03/23/2023 08:00 AM	0.0	197.0	411.5	411.5
03/23/2023 09:00 AM	0.0	197.0	411.5	411.5
03/23/2023 10:00 AM	153.6	197.0	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/23/2023 11:00 AM	204.9	197.0	411.5	411.5
03/23/2023 12:00 PM	205.0	197.0	411.5	411.5
03/23/2023 01:00 PM	205.1	197.0	411.5	411.5
03/23/2023 02:00 PM	205.1	197.0	411.5	411.5
03/23/2023 03:00 PM	10.3	197.8	411.5	411.5
03/23/2023 04:00 PM	0.0	197.4	411.5	411.5
03/23/2023 05:00 PM	0.0	197.2	411.5	411.5
03/23/2023 06:00 PM	0.0	197.1	411.5	411.5
03/23/2023 07:00 PM	0.0	197.1	411.5	411.5
03/23/2023 08:00 PM	0.0	197.1	411.5	411.5
03/23/2023 09:00 PM	0.0	197.0	411.5	411.5
03/23/2023 10:00 PM	0.0	197.0	411.5	411.5
03/23/2023 11:00 PM	0.0	197.0	411.5	411.5
03/24/2023 12:00 AM	0.0	197.1	411.5	411.5
03/24/2023 01:00 AM	0.0	197.1	411.5	411.5
03/24/2023 02:00 AM	0.0	197.2	411.5	411.5
03/24/2023 03:00 AM	0.0	197.2	411.5	411.5
03/24/2023 04:00 AM	0.0	197.3	411.5	411.5
03/24/2023 05:00 AM	0.0	197.3	411.5	411.5
03/24/2023 06:00 AM	0.0	197.3	411.5	411.5
03/24/2023 07:00 AM	0.0	197.3	411.5	411.5
03/24/2023 08:00 AM	0.0	197.3	411.5	411.5
03/24/2023 09:00 AM	0.0	197.3	411.5	411.5
03/24/2023 10:00 AM	0.0	197.3	411.5	411.5
03/24/2023 11:00 AM	0.0	197.2	411.5	411.5
03/24/2023 12:00 PM	0.0	197.2	411.5	411.5
03/24/2023 01:00 PM	0.0	197.2	411.5	411.5
03/24/2023 02:00 PM	0.0	197.2	411.5	411.5
03/24/2023 03:00 PM	0.0	197.1	411.5	411.5
03/24/2023 04:00 PM	0.0	197.1	411.5	411.5
03/24/2023 05:00 PM	0.0	197.1	411.5	411.5
03/24/2023 06:00 PM	0.0	197.1	411.5	411.5
03/24/2023 07:00 PM	0.0	197.0	411.5	411.5
03/24/2023 08:00 PM	0.0	197.0	411.5	411.5
03/24/2023 09:00 PM	0.0	197.0	411.5	411.5
03/24/2023 10:00 PM	0.0	197.0	411.5	411.5
03/24/2023 11:00 PM	0.0	197.0	411.5	411.5
03/25/2023 12:00 AM	0.0	197.0	411.5	411.5
03/25/2023 01:00 AM	0.0	197.0	411.5	411.5
03/25/2023 02:00 AM	0.0	197.0	411.5	411.5
03/25/2023 03:00 AM	0.0	197.0	411.5	411.5
03/25/2023 04:00 AM	0.0	197.0	411.5	411.5
03/25/2023 05:00 AM	0.0	197.0	411.5	411.5
03/25/2023 06:00 AM	0.0	197.0	411.5	411.5
03/25/2023 07:00 AM	0.0	197.0	411.5	411.5
03/25/2023 08:00 AM	0.0	197.0	411.5	411.5
03/25/2023 09:00 AM	0.0	197.0	411.5	411.5
03/25/2023 10:00 AM	0.0	197.0	411.5	411.5
03/25/2023 11:00 AM	0.0	197.0	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/25/2023 12:00 PM	0.0	197.0	411.5	411.5
03/25/2023 01:00 PM	0.0	196.9	411.5	411.5
03/25/2023 02:00 PM	0.0	196.9	411.5	411.5
03/25/2023 03:00 PM	0.0	196.9	411.5	411.5
03/25/2023 04:00 PM	0.0	196.9	411.5	411.5
03/25/2023 05:00 PM	0.0	196.9	411.5	411.5
03/25/2023 06:00 PM	0.0	196.9	411.5	411.5
03/25/2023 07:00 PM	0.0	196.8	411.5	411.5
03/25/2023 08:00 PM	0.0	196.8	411.5	411.5
03/25/2023 09:00 PM	0.0	196.8	411.5	411.5
03/25/2023 10:00 PM	0.0	196.8	411.5	411.5
03/25/2023 11:00 PM	0.0	196.8	411.5	411.5
03/26/2023 12:00 AM	0.0	196.9	411.5	411.5
03/26/2023 01:00 AM	0.0	196.9	411.5	411.5
03/26/2023 02:00 AM	0.0	196.9	411.5	411.5
03/26/2023 03:00 AM	0.0	196.9	411.5	411.5
03/26/2023 04:00 AM	0.0	196.9	411.5	411.5
03/26/2023 05:00 AM	0.0	196.9	411.5	411.5
03/26/2023 06:00 AM	0.0	196.9	411.5	411.5
03/26/2023 07:00 AM	0.0	196.9	411.5	411.5
03/26/2023 08:00 AM	0.0	196.9	411.5	411.5
03/26/2023 09:00 AM	0.0	196.9	411.5	411.5
03/26/2023 10:00 AM	0.0	196.9	411.5	411.5
03/26/2023 11:00 AM	0.0	196.9	411.5	411.5
03/26/2023 12:00 PM	0.0	196.9	411.5	411.5
03/26/2023 01:00 PM	0.0	196.9	411.5	411.5
03/26/2023 02:00 PM	0.0	196.9	411.5	411.5
03/26/2023 03:00 PM	0.0	196.9	411.5	411.5
03/26/2023 04:00 PM	0.0	196.9	411.5	411.5
03/26/2023 05:00 PM	0.0	196.9	411.5	411.5
03/26/2023 06:00 PM	0.0	196.9	411.5	411.5
03/26/2023 07:00 PM	0.0	196.9	411.5	411.5
03/26/2023 08:00 PM	0.0	196.9	411.5	411.5
03/26/2023 09:00 PM	0.0	196.9	411.5	411.5
03/26/2023 10:00 PM	0.0	196.9	411.5	411.5
03/26/2023 11:00 PM	0.0	196.9	411.5	411.5
03/27/2023 12:00 AM	0.0	196.9	411.5	411.5
03/27/2023 01:00 AM	0.0	197.0	411.5	411.5
03/27/2023 02:00 AM	0.0	197.1	411.5	411.5
03/27/2023 03:00 AM	0.0	197.1	411.5	411.5
03/27/2023 04:00 AM	0.0	197.2	411.5	411.5
03/27/2023 05:00 AM	0.0	197.2	411.5	411.5
03/27/2023 06:00 AM	0.0	197.3	411.5	411.5
03/27/2023 07:00 AM	0.0	197.3	411.5	411.5
03/27/2023 08:00 AM	0.0	197.3	411.5	411.5
03/27/2023 09:00 AM	0.0	197.2	411.5	411.5
03/27/2023 10:00 AM	0.0	197.2	411.5	411.5
03/27/2023 11:00 AM	0.0	197.2	411.5	411.5
03/27/2023 12:00 PM	0.0	197.2	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/27/2023 01:00 PM	0.0	197.2	411.5	411.5
03/27/2023 02:00 PM	0.0	197.1	411.5	411.5
03/27/2023 03:00 PM	0.0	197.1	411.5	411.5
03/27/2023 04:00 PM	0.0	197.1	411.5	411.5
03/27/2023 05:00 PM	0.0	197.1	411.5	411.5
03/27/2023 06:00 PM	0.0	197.1	411.5	411.5
03/27/2023 07:00 PM	0.0	197.1	411.5	411.5
03/27/2023 08:00 PM	0.0	197.1	411.5	411.5
03/27/2023 09:00 PM	0.0	197.1	411.5	411.5
03/27/2023 10:00 PM	0.0	197.1	411.5	411.5
03/27/2023 11:00 PM	0.0	197.1	411.5	411.5
03/28/2023 12:00 AM	0.0	197.1	411.5	411.5
03/28/2023 01:00 AM	0.0	197.1	411.5	411.5
03/28/2023 02:00 AM	0.0	197.2	411.5	411.5
03/28/2023 03:00 AM	0.0	197.2	411.5	411.5
03/28/2023 04:00 AM	0.0	197.2	411.5	411.5
03/28/2023 05:00 AM	0.0	197.2	411.5	411.5
03/28/2023 06:00 AM	0.0	197.2	411.5	411.5
03/28/2023 07:00 AM	0.0	197.2	411.5	411.5
03/28/2023 08:00 AM	0.0	197.2	411.5	411.5
03/28/2023 09:00 AM	194.3	197.2	411.5	411.5
03/28/2023 10:00 AM	205.0	197.2	411.5	411.5
03/28/2023 11:00 AM	205.2	197.2	411.5	411.5
03/28/2023 12:00 PM	205.3	197.2	411.5	411.5
03/28/2023 01:00 PM	205.3	197.2	411.5	411.5
03/28/2023 02:00 PM	205.3	197.2	411.5	411.5
03/28/2023 03:00 PM	17.1	197.9	411.5	411.5
03/28/2023 04:00 PM	0.0	197.6	411.5	411.5
03/28/2023 05:00 PM	0.0	197.4	411.5	411.5
03/28/2023 06:00 PM	0.0	197.3	411.5	411.5
03/28/2023 07:00 PM	0.0	197.3	411.5	411.5
03/28/2023 08:00 PM	0.0	197.2	411.5	411.5
03/28/2023 09:00 PM	0.0	197.2	411.5	411.5
03/28/2023 10:00 PM	0.0	197.2	411.5	411.5
03/28/2023 11:00 PM	0.0	197.2	411.5	411.5
03/29/2023 12:00 AM	0.0	197.2	411.5	411.5
03/29/2023 01:00 AM	0.0	197.2	411.5	411.5
03/29/2023 02:00 AM	0.0	197.2	411.5	411.5
03/29/2023 03:00 AM	0.0	197.3	411.5	411.5
03/29/2023 04:00 AM	0.0	197.3	411.5	411.5
03/29/2023 05:00 AM	0.0	197.3	411.5	411.5
03/29/2023 06:00 AM	0.0	197.4	411.5	411.5
03/29/2023 07:00 AM	0.0	197.4	411.5	411.5
03/29/2023 08:00 AM	0.0	197.3	411.5	411.5
03/29/2023 09:00 AM	0.0	197.3	411.5	411.5
03/29/2023 10:00 AM	0.0	197.3	411.5	411.5
03/29/2023 11:00 AM	0.0	197.3	411.5	411.5
03/29/2023 12:00 PM	0.0	197.2	411.5	411.5
03/29/2023 01:00 PM	0.0	197.2	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/29/2023 02:00 PM	0.0	197.1	411.5	411.5
03/29/2023 03:00 PM	0.0	197.1	411.5	411.5
03/29/2023 04:00 PM	0.0	197.1	411.5	411.5
03/29/2023 05:00 PM	0.0	197.0	411.5	411.5
03/29/2023 06:00 PM	0.0	197.0	411.5	411.5
03/29/2023 07:00 PM	0.0	197.0	411.5	411.5
03/29/2023 08:00 PM	0.0	197.0	411.5	411.5
03/29/2023 09:00 PM	0.0	196.9	411.5	411.5
03/29/2023 10:00 PM	0.0	196.9	411.5	411.5
03/29/2023 11:00 PM	0.0	196.9	411.5	411.5
03/30/2023 12:00 AM	0.0	196.9	411.5	411.5
03/30/2023 01:00 AM	0.0	196.9	411.5	411.5
03/30/2023 02:00 AM	0.0	196.9	411.5	411.5
03/30/2023 03:00 AM	0.0	196.8	411.5	411.5
03/30/2023 04:00 AM	0.0	196.8	411.5	411.5
03/30/2023 05:00 AM	0.0	196.8	411.5	411.5
03/30/2023 06:00 AM	0.0	196.8	411.5	411.5
03/30/2023 07:00 AM	0.0	196.8	411.5	411.5
03/30/2023 08:00 AM	0.0	196.8	411.5	411.5
03/30/2023 09:00 AM	193.9	196.8	411.5	411.5
03/30/2023 10:00 AM	204.6	196.8	411.5	411.5
03/30/2023 11:00 AM	204.8	196.8	411.5	411.5
03/30/2023 12:00 PM	204.9	196.8	411.5	411.5
03/30/2023 01:00 PM	204.9	196.8	411.5	411.5
03/30/2023 02:00 PM	204.9	196.8	411.5	411.5
03/30/2023 03:00 PM	13.7	197.6	411.5	411.5
03/30/2023 04:00 PM	0.0	197.2	411.5	411.5
03/30/2023 05:00 PM	0.0	197.1	411.5	411.5
03/30/2023 06:00 PM	0.0	197.0	411.5	411.5
03/30/2023 07:00 PM	0.0	197.0	411.5	411.5
03/30/2023 08:00 PM	0.0	197.0	411.5	411.5
03/30/2023 09:00 PM	0.0	197.0	411.5	411.5
03/30/2023 10:00 PM	0.0	196.9	411.5	411.5
03/30/2023 11:00 PM	0.0	196.9	411.5	411.5
03/31/2023 12:00 AM	0.0	196.9	411.5	411.5
03/31/2023 01:00 AM	0.0	196.9	411.5	411.5
03/31/2023 02:00 AM	0.0	196.9	411.5	411.5
03/31/2023 03:00 AM	0.0	196.9	411.5	411.5
03/31/2023 04:00 AM	0.0	196.9	411.5	411.5
03/31/2023 05:00 AM	0.0	196.9	411.5	411.5
03/31/2023 06:00 AM	0.0	196.9	411.5	411.5
03/31/2023 07:00 AM	0.0	196.9	411.5	411.5
03/31/2023 08:00 AM	0.0	197.0	411.5	411.5
03/31/2023 09:00 AM	0.0	197.0	411.5	411.5
03/31/2023 10:00 AM	0.0	197.0	369.4	411.5
03/31/2023 11:00 AM	0.0	197.0	276.8	411.5
03/31/2023 12:00 PM	0.0	197.0	276.7	411.5
03/31/2023 01:00 PM	0.0	197.0	276.7	411.5
03/31/2023 02:00 PM	0.0	197.0	276.7	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/31/2023 03:00 PM	0.0	197.0	276.7	411.5
03/31/2023 04:00 PM	0.0	196.9	276.7	411.5
03/31/2023 05:00 PM	0.0	197.0	276.7	411.5
03/31/2023 06:00 PM	0.0	197.0	276.7	411.5
03/31/2023 07:00 PM	0.0	197.0	276.7	411.5
03/31/2023 08:00 PM	0.0	197.0	276.8	411.5
03/31/2023 09:00 PM	0.0	197.0	276.8	411.5
03/31/2023 10:00 PM	0.0	197.0	276.9	411.5
03/31/2023 11:00 PM	0.0	197.0	276.9	411.5

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/01/2023 12:00 AM	0.0	0.0	0.0
03/01/2023 01:00 AM	0.0	0.0	0.0
03/01/2023 02:00 AM	0.0	0.0	0.0
03/01/2023 03:00 AM	0.0	0.0	0.0
03/01/2023 04:00 AM	0.0	0.0	0.0
03/01/2023 05:00 AM	0.0	0.0	0.0
03/01/2023 06:00 AM	0.0	0.0	0.0
03/01/2023 07:00 AM	0.0	0.0	0.0
03/01/2023 08:00 AM	0.0	0.0	0.0
03/01/2023 09:00 AM	0.0	0.0	0.0
03/01/2023 10:00 AM	0.0	0.0	0.0
03/01/2023 11:00 AM	0.0	0.0	0.0
03/01/2023 12:00 PM	0.0	0.0	0.0
03/01/2023 01:00 PM	0.0	0.0	0.0
03/01/2023 02:00 PM	0.0	0.0	0.0
03/01/2023 03:00 PM	0.0	0.0	0.0
03/01/2023 04:00 PM	0.0	0.0	0.0
03/01/2023 05:00 PM	0.0	0.0	0.0
03/01/2023 06:00 PM	0.0	0.0	0.0
03/01/2023 07:00 PM	0.0	0.0	0.0
03/01/2023 08:00 PM	0.0	0.0	0.0
03/01/2023 09:00 PM	0.0	0.0	0.0
03/01/2023 10:00 PM	0.0	0.0	0.0
03/01/2023 11:00 PM	0.0	0.0	0.0
03/02/2023 12:00 AM	0.0	0.0	0.0
03/02/2023 01:00 AM	0.0	0.0	0.0
03/02/2023 02:00 AM	0.0	0.0	0.0
03/02/2023 03:00 AM	0.0	0.0	0.0
03/02/2023 04:00 AM	0.0	0.0	0.0
03/02/2023 05:00 AM	0.0	0.0	0.0
03/02/2023 06:00 AM	0.0	0.0	0.0
03/02/2023 07:00 AM	0.0	0.0	0.0
03/02/2023 08:00 AM	0.0	0.0	0.0
03/02/2023 09:00 AM	1,998.4	0.0	1,843.8
03/02/2023 10:00 AM	1,926.3	0.0	816.1
03/02/2023 11:00 AM	1,830.6	1,697.4	1,760.5
03/02/2023 12:00 PM	1,697.4	1,639.4	1,671.3
03/02/2023 01:00 PM	1,641.2	1,588.9	1,609.5
03/02/2023 02:00 PM	1,589.8	1,524.0	1,560.2
03/02/2023 03:00 PM	1,532.9	0.0	607.8
03/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/02/2023 05:00 PM	0.0	0.0	0.0
03/02/2023 06:00 PM	0.0	0.0	0.0
03/02/2023 07:00 PM	0.0	0.0	0.0
03/02/2023 08:00 PM	0.0	0.0	0.0
03/02/2023 09:00 PM	0.0	0.0	0.0
03/02/2023 10:00 PM	0.0	0.0	0.0
03/02/2023 11:00 PM	0.0	0.0	0.0
03/03/2023 12:00 AM	0.0	0.0	0.0
03/03/2023 01:00 AM	0.0	0.0	0.0
03/03/2023 02:00 AM	0.0	0.0	0.0
03/03/2023 03:00 AM	0.0	0.0	0.0
03/03/2023 04:00 AM	0.0	0.0	0.0
03/03/2023 05:00 AM	0.0	0.0	0.0
03/03/2023 06:00 AM	0.0	0.0	0.0
03/03/2023 07:00 AM	0.0	0.0	0.0
03/03/2023 08:00 AM	0.0	0.0	0.0
03/03/2023 09:00 AM	0.0	0.0	0.0
03/03/2023 10:00 AM	0.0	0.0	0.0
03/03/2023 11:00 AM	0.0	0.0	0.0
03/03/2023 12:00 PM	0.0	0.0	0.0
03/03/2023 01:00 PM	0.0	0.0	0.0
03/03/2023 02:00 PM	0.0	0.0	0.0
03/03/2023 03:00 PM	0.0	0.0	0.0
03/03/2023 04:00 PM	0.0	0.0	0.0
03/03/2023 05:00 PM	0.0	0.0	0.0
03/03/2023 06:00 PM	0.0	0.0	0.0
03/03/2023 07:00 PM	0.0	0.0	0.0
03/03/2023 08:00 PM	0.0	0.0	0.0
03/03/2023 09:00 PM	0.0	0.0	0.0
03/03/2023 10:00 PM	0.0	0.0	0.0
03/03/2023 11:00 PM	0.0	0.0	0.0
03/04/2023 12:00 AM	0.0	0.0	0.0
03/04/2023 01:00 AM	0.0	0.0	0.0
03/04/2023 02:00 AM	0.0	0.0	0.0
03/04/2023 03:00 AM	0.0	0.0	0.0
03/04/2023 04:00 AM	0.0	0.0	0.0
03/04/2023 05:00 AM	0.0	0.0	0.0
03/04/2023 06:00 AM	0.0	0.0	0.0
03/04/2023 07:00 AM	0.0	0.0	0.0
03/04/2023 08:00 AM	0.0	0.0	0.0
03/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/04/2023 10:00 AM	0.0	0.0	0.0
03/04/2023 11:00 AM	0.0	0.0	0.0
03/04/2023 12:00 PM	0.0	0.0	0.0
03/04/2023 01:00 PM	0.0	0.0	0.0
03/04/2023 02:00 PM	0.0	0.0	0.0
03/04/2023 03:00 PM	0.0	0.0	0.0
03/04/2023 04:00 PM	0.0	0.0	0.0
03/04/2023 05:00 PM	0.0	0.0	0.0
03/04/2023 06:00 PM	0.0	0.0	0.0
03/04/2023 07:00 PM	0.0	0.0	0.0
03/04/2023 08:00 PM	0.0	0.0	0.0
03/04/2023 09:00 PM	0.0	0.0	0.0
03/04/2023 10:00 PM	0.0	0.0	0.0
03/04/2023 11:00 PM	0.0	0.0	0.0
03/05/2023 12:00 AM	0.0	0.0	0.0
03/05/2023 01:00 AM	0.0	0.0	0.0
03/05/2023 02:00 AM	0.0	0.0	0.0
03/05/2023 03:00 AM	0.0	0.0	0.0
03/05/2023 04:00 AM	0.0	0.0	0.0
03/05/2023 05:00 AM	0.0	0.0	0.0
03/05/2023 06:00 AM	0.0	0.0	0.0
03/05/2023 07:00 AM	0.0	0.0	0.0
03/05/2023 08:00 AM	0.0	0.0	0.0
03/05/2023 09:00 AM	0.0	0.0	0.0
03/05/2023 10:00 AM	0.0	0.0	0.0
03/05/2023 11:00 AM	0.0	0.0	0.0
03/05/2023 12:00 PM	0.0	0.0	0.0
03/05/2023 01:00 PM	0.0	0.0	0.0
03/05/2023 02:00 PM	0.0	0.0	0.0
03/05/2023 03:00 PM	0.0	0.0	0.0
03/05/2023 04:00 PM	0.0	0.0	0.0
03/05/2023 05:00 PM	0.0	0.0	0.0
03/05/2023 06:00 PM	0.0	0.0	0.0
03/05/2023 07:00 PM	0.0	0.0	0.0
03/05/2023 08:00 PM	0.0	0.0	0.0
03/05/2023 09:00 PM	0.0	0.0	0.0
03/05/2023 10:00 PM	0.0	0.0	0.0
03/05/2023 11:00 PM	0.0	0.0	0.0
03/06/2023 12:00 AM	0.0	0.0	0.0
03/06/2023 01:00 AM	0.0	0.0	0.0
03/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/06/2023 03:00 AM	0.0	0.0	0.0
03/06/2023 04:00 AM	0.0	0.0	0.0
03/06/2023 05:00 AM	0.0	0.0	0.0
03/06/2023 06:00 AM	0.0	0.0	0.0
03/06/2023 07:00 AM	0.0	0.0	0.0
03/06/2023 08:00 AM	0.0	0.0	0.0
03/06/2023 09:00 AM	0.0	0.0	0.0
03/06/2023 10:00 AM	0.0	0.0	0.0
03/06/2023 11:00 AM	0.0	0.0	0.0
03/06/2023 12:00 PM	0.0	0.0	0.0
03/06/2023 01:00 PM	0.0	0.0	0.0
03/06/2023 02:00 PM	0.0	0.0	0.0
03/06/2023 03:00 PM	0.0	0.0	0.0
03/06/2023 04:00 PM	0.0	0.0	0.0
03/06/2023 05:00 PM	0.0	0.0	0.0
03/06/2023 06:00 PM	0.0	0.0	0.0
03/06/2023 07:00 PM	0.0	0.0	0.0
03/06/2023 08:00 PM	0.0	0.0	0.0
03/06/2023 09:00 PM	0.0	0.0	0.0
03/06/2023 10:00 PM	0.0	0.0	0.0
03/06/2023 11:00 PM	0.0	0.0	0.0
03/07/2023 12:00 AM	0.0	0.0	0.0
03/07/2023 01:00 AM	0.0	0.0	0.0
03/07/2023 02:00 AM	0.0	0.0	0.0
03/07/2023 03:00 AM	0.0	0.0	0.0
03/07/2023 04:00 AM	0.0	0.0	0.0
03/07/2023 05:00 AM	0.0	0.0	0.0
03/07/2023 06:00 AM	0.0	0.0	0.0
03/07/2023 07:00 AM	0.0	0.0	0.0
03/07/2023 08:00 AM	0.0	0.0	0.0
03/07/2023 09:00 AM	1,921.8	0.0	1,785.0
03/07/2023 10:00 AM	1,884.2	1,776.4	1,823.8
03/07/2023 11:00 AM	1,776.4	1,731.9	1,749.3
03/07/2023 12:00 PM	1,731.9	1,683.9	1,709.7
03/07/2023 01:00 PM	1,685.8	1,641.2	1,669.3
03/07/2023 02:00 PM	1,644.7	1,624.3	1,634.4
03/07/2023 03:00 PM			
03/07/2023 04:00 PM	0.0	0.0	0.0
03/07/2023 05:00 PM	0.0	0.0	0.0
03/07/2023 06:00 PM	0.0	0.0	0.0
03/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/07/2023 08:00 PM	0.0	0.0	0.0
03/07/2023 09:00 PM	0.0	0.0	0.0
03/07/2023 10:00 PM	0.0	0.0	0.0
03/07/2023 11:00 PM	0.0	0.0	0.0
03/08/2023 12:00 AM	0.0	0.0	0.0
03/08/2023 01:00 AM	0.0	0.0	0.0
03/08/2023 02:00 AM	0.0	0.0	0.0
03/08/2023 03:00 AM	0.0	0.0	0.0
03/08/2023 04:00 AM	0.0	0.0	0.0
03/08/2023 05:00 AM	0.0	0.0	0.0
03/08/2023 06:00 AM	0.0	0.0	0.0
03/08/2023 07:00 AM	0.0	0.0	0.0
03/08/2023 08:00 AM	0.0	0.0	0.0
03/08/2023 09:00 AM	0.0	0.0	0.0
03/08/2023 10:00 AM	0.0	0.0	0.0
03/08/2023 11:00 AM	0.0	0.0	0.0
03/08/2023 12:00 PM	0.0	0.0	0.0
03/08/2023 01:00 PM	0.0	0.0	0.0
03/08/2023 02:00 PM	0.0	0.0	0.0
03/08/2023 03:00 PM	0.0	0.0	0.0
03/08/2023 04:00 PM	0.0	0.0	0.0
03/08/2023 05:00 PM	0.0	0.0	0.0
03/08/2023 06:00 PM	0.0	0.0	0.0
03/08/2023 07:00 PM	0.0	0.0	0.0
03/08/2023 08:00 PM	0.0	0.0	0.0
03/08/2023 09:00 PM	0.0	0.0	0.0
03/08/2023 10:00 PM	0.0	0.0	0.0
03/08/2023 11:00 PM	0.0	0.0	0.0
03/09/2023 12:00 AM	0.0	0.0	0.0
03/09/2023 01:00 AM	0.0	0.0	0.0
03/09/2023 02:00 AM	0.0	0.0	0.0
03/09/2023 03:00 AM	0.0	0.0	0.0
03/09/2023 04:00 AM	0.0	0.0	0.0
03/09/2023 05:00 AM	0.0	0.0	0.0
03/09/2023 06:00 AM	0.0	0.0	0.0
03/09/2023 07:00 AM	0.0	0.0	0.0
03/09/2023 08:00 AM	0.0	0.0	0.0
03/09/2023 09:00 AM	1,998.2	0.0	1,730.4
03/09/2023 10:00 AM	1,925.2	1,764.2	1,844.8
03/09/2023 11:00 AM	1,764.2	1,668.7	1,716.3
03/09/2023 12:00 PM	1,668.7	1,599.7	1,634.1

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/09/2023 01:00 PM	1,606.1	1,552.0	1,575.9
03/09/2023 02:00 PM	1,556.6	1,516.5	1,533.7
03/09/2023 03:00 PM	1,516.5	0.0	75.6
03/09/2023 04:00 PM	0.0	0.0	0.0
03/09/2023 05:00 PM	0.0	0.0	0.0
03/09/2023 06:00 PM	0.0	0.0	0.0
03/09/2023 07:00 PM	0.0	0.0	0.0
03/09/2023 08:00 PM	0.0	0.0	0.0
03/09/2023 09:00 PM	0.0	0.0	0.0
03/09/2023 10:00 PM	0.0	0.0	0.0
03/09/2023 11:00 PM	0.0	0.0	0.0
03/10/2023 12:00 AM	0.0	0.0	0.0
03/10/2023 01:00 AM	0.0	0.0	0.0
03/10/2023 02:00 AM	0.0	0.0	0.0
03/10/2023 03:00 AM	0.0	0.0	0.0
03/10/2023 04:00 AM	0.0	0.0	0.0
03/10/2023 05:00 AM	0.0	0.0	0.0
03/10/2023 06:00 AM	0.0	0.0	0.0
03/10/2023 07:00 AM	0.0	0.0	0.0
03/10/2023 08:00 AM	0.0	0.0	0.0
03/10/2023 09:00 AM	0.0	0.0	0.0
03/10/2023 10:00 AM	0.0	0.0	0.0
03/10/2023 11:00 AM	0.0	0.0	0.0
03/10/2023 12:00 PM	0.0	0.0	0.0
03/10/2023 01:00 PM	0.0	0.0	0.0
03/10/2023 02:00 PM	0.0	0.0	0.0
03/10/2023 03:00 PM	0.0	0.0	0.0
03/10/2023 04:00 PM	0.0	0.0	0.0
03/10/2023 05:00 PM	0.0	0.0	0.0
03/10/2023 06:00 PM	0.0	0.0	0.0
03/10/2023 07:00 PM	0.0	0.0	0.0
03/10/2023 08:00 PM	0.0	0.0	0.0
03/10/2023 09:00 PM	0.0	0.0	0.0
03/10/2023 10:00 PM	0.0	0.0	0.0
03/10/2023 11:00 PM	0.0	0.0	0.0
03/11/2023 12:00 AM	0.0	0.0	0.0
03/11/2023 01:00 AM	0.0	0.0	0.0
03/11/2023 02:00 AM	0.0	0.0	0.0
03/11/2023 03:00 AM	0.0	0.0	0.0
03/11/2023 04:00 AM	0.0	0.0	0.0
03/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/11/2023 06:00 AM	0.0	0.0	0.0
03/11/2023 07:00 AM	0.0	0.0	0.0
03/11/2023 08:00 AM	0.0	0.0	0.0
03/11/2023 09:00 AM	0.0	0.0	0.0
03/11/2023 10:00 AM	0.0	0.0	0.0
03/11/2023 11:00 AM	0.0	0.0	0.0
03/11/2023 12:00 PM	0.0	0.0	0.0
03/11/2023 01:00 PM	0.0	0.0	0.0
03/11/2023 02:00 PM	0.0	0.0	0.0
03/11/2023 03:00 PM	0.0	0.0	0.0
03/11/2023 04:00 PM	0.0	0.0	0.0
03/11/2023 05:00 PM	0.0	0.0	0.0
03/11/2023 06:00 PM	0.0	0.0	0.0
03/11/2023 07:00 PM	0.0	0.0	0.0
03/11/2023 08:00 PM	0.0	0.0	0.0
03/11/2023 09:00 PM	0.0	0.0	0.0
03/11/2023 10:00 PM	0.0	0.0	0.0
03/11/2023 11:00 PM	0.0	0.0	0.0
03/12/2023 12:00 AM	0.0	0.0	0.0
03/12/2023 01:00 AM	0.0	0.0	0.0
03/12/2023 02:00 AM			
03/12/2023 03:00 AM	0.0	0.0	0.0
03/12/2023 04:00 AM	0.0	0.0	0.0
03/12/2023 05:00 AM	0.0	0.0	0.0
03/12/2023 06:00 AM	0.0	0.0	0.0
03/12/2023 07:00 AM	0.0	0.0	0.0
03/12/2023 08:00 AM	0.0	0.0	0.0
03/12/2023 09:00 AM	0.0	0.0	0.0
03/12/2023 10:00 AM	0.0	0.0	0.0
03/12/2023 11:00 AM	0.0	0.0	0.0
03/12/2023 12:00 PM	0.0	0.0	0.0
03/12/2023 01:00 PM	0.0	0.0	0.0
03/12/2023 02:00 PM	0.0	0.0	0.0
03/12/2023 03:00 PM	0.0	0.0	0.0
03/12/2023 04:00 PM	0.0	0.0	0.0
03/12/2023 05:00 PM	0.0	0.0	0.0
03/12/2023 06:00 PM	0.0	0.0	0.0
03/12/2023 07:00 PM	0.0	0.0	0.0
03/12/2023 08:00 PM	0.0	0.0	0.0
03/12/2023 09:00 PM	0.0	0.0	0.0
03/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/12/2023 11:00 PM	0.0	0.0	0.0
03/13/2023 12:00 AM	0.0	0.0	0.0
03/13/2023 01:00 AM	0.0	0.0	0.0
03/13/2023 02:00 AM	0.0	0.0	0.0
03/13/2023 03:00 AM	0.0	0.0	0.0
03/13/2023 04:00 AM	0.0	0.0	0.0
03/13/2023 05:00 AM	0.0	0.0	0.0
03/13/2023 06:00 AM	0.0	0.0	0.0
03/13/2023 07:00 AM	0.0	0.0	0.0
03/13/2023 08:00 AM	0.0	0.0	0.0
03/13/2023 09:00 AM	0.0	0.0	0.0
03/13/2023 10:00 AM	0.0	0.0	0.0
03/13/2023 11:00 AM	0.0	0.0	0.0
03/13/2023 12:00 PM	0.0	0.0	0.0
03/13/2023 01:00 PM	0.0	0.0	0.0
03/13/2023 02:00 PM	0.0	0.0	0.0
03/13/2023 03:00 PM	0.0	0.0	0.0
03/13/2023 04:00 PM	0.0	0.0	0.0
03/13/2023 05:00 PM	0.0	0.0	0.0
03/13/2023 06:00 PM	0.0	0.0	0.0
03/13/2023 07:00 PM	0.0	0.0	0.0
03/13/2023 08:00 PM	0.0	0.0	0.0
03/13/2023 09:00 PM	0.0	0.0	0.0
03/13/2023 10:00 PM	0.0	0.0	0.0
03/13/2023 11:00 PM	0.0	0.0	0.0
03/14/2023 12:00 AM	0.0	0.0	0.0
03/14/2023 01:00 AM	0.0	0.0	0.0
03/14/2023 02:00 AM	0.0	0.0	0.0
03/14/2023 03:00 AM	0.0	0.0	0.0
03/14/2023 04:00 AM	0.0	0.0	0.0
03/14/2023 05:00 AM	0.0	0.0	0.0
03/14/2023 06:00 AM	0.0	0.0	0.0
03/14/2023 07:00 AM	0.0	0.0	0.0
03/14/2023 08:00 AM	0.0	0.0	0.0
03/14/2023 09:00 AM	0.0	0.0	0.0
03/14/2023 10:00 AM	1,934.4	0.0	32.2
03/14/2023 11:00 AM	1,934.4	1,908.4	1,911.6
03/14/2023 12:00 PM	1,908.4	1,810.9	1,827.7
03/14/2023 01:00 PM	1,810.9	1,762.1	1,788.9
03/14/2023 02:00 PM	1,763.1	1,734.6	1,744.6
03/14/2023 03:00 PM	1,734.6	1,660.2	1,696.4

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/14/2023 04:00 PM	1,660.2	0.0	442.7
03/14/2023 05:00 PM	0.0	0.0	0.0
03/14/2023 06:00 PM	0.0	0.0	0.0
03/14/2023 07:00 PM	0.0	0.0	0.0
03/14/2023 08:00 PM	0.0	0.0	0.0
03/14/2023 09:00 PM	0.0	0.0	0.0
03/14/2023 10:00 PM	0.0	0.0	0.0
03/14/2023 11:00 PM	0.0	0.0	0.0
03/15/2023 12:00 AM	0.0	0.0	0.0
03/15/2023 01:00 AM	0.0	0.0	0.0
03/15/2023 02:00 AM	0.0	0.0	0.0
03/15/2023 03:00 AM	0.0	0.0	0.0
03/15/2023 04:00 AM	0.0	0.0	0.0
03/15/2023 05:00 AM	0.0	0.0	0.0
03/15/2023 06:00 AM	0.0	0.0	0.0
03/15/2023 07:00 AM	0.0	0.0	0.0
03/15/2023 08:00 AM	0.0	0.0	0.0
03/15/2023 09:00 AM	0.0	0.0	0.0
03/15/2023 10:00 AM	0.0	0.0	0.0
03/15/2023 11:00 AM	0.0	0.0	0.0
03/15/2023 12:00 PM	0.0	0.0	0.0
03/15/2023 01:00 PM	0.0	0.0	0.0
03/15/2023 02:00 PM	0.0	0.0	0.0
03/15/2023 03:00 PM	0.0	0.0	0.0
03/15/2023 04:00 PM	0.0	0.0	0.0
03/15/2023 05:00 PM	0.0	0.0	0.0
03/15/2023 06:00 PM	0.0	0.0	0.0
03/15/2023 07:00 PM	0.0	0.0	0.0
03/15/2023 08:00 PM	0.0	0.0	0.0
03/15/2023 09:00 PM	0.0	0.0	0.0
03/15/2023 10:00 PM	0.0	0.0	0.0
03/15/2023 11:00 PM	0.0	0.0	0.0
03/16/2023 12:00 AM	0.0	0.0	0.0
03/16/2023 01:00 AM	0.0	0.0	0.0
03/16/2023 02:00 AM	0.0	0.0	0.0
03/16/2023 03:00 AM	0.0	0.0	0.0
03/16/2023 04:00 AM	0.0	0.0	0.0
03/16/2023 05:00 AM	0.0	0.0	0.0
03/16/2023 06:00 AM	0.0	0.0	0.0
03/16/2023 07:00 AM	0.0	0.0	0.0
03/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/16/2023 09:00 AM	0.0	0.0	0.0
03/16/2023 10:00 AM	1,976.2	0.0	1,856.6
03/16/2023 11:00 AM	1,976.2	1,803.4	1,887.7
03/16/2023 12:00 PM	1,803.4	1,722.5	1,764.7
03/16/2023 01:00 PM	1,722.5	1,680.4	1,688.5
03/16/2023 02:00 PM	1,680.4	1,597.8	1,646.4
03/16/2023 03:00 PM	1,597.8	1,546.1	1,586.7
03/16/2023 04:00 PM	1,553.2	0.0	77.7
03/16/2023 05:00 PM	0.0	0.0	0.0
03/16/2023 06:00 PM	0.0	0.0	0.0
03/16/2023 07:00 PM	0.0	0.0	0.0
03/16/2023 08:00 PM	0.0	0.0	0.0
03/16/2023 09:00 PM	0.0	0.0	0.0
03/16/2023 10:00 PM	0.0	0.0	0.0
03/16/2023 11:00 PM	0.0	0.0	0.0
03/17/2023 12:00 AM	0.0	0.0	0.0
03/17/2023 01:00 AM	0.0	0.0	0.0
03/17/2023 02:00 AM	0.0	0.0	0.0
03/17/2023 03:00 AM	0.0	0.0	0.0
03/17/2023 04:00 AM	0.0	0.0	0.0
03/17/2023 05:00 AM	0.0	0.0	0.0
03/17/2023 06:00 AM	0.0	0.0	0.0
03/17/2023 07:00 AM	0.0	0.0	0.0
03/17/2023 08:00 AM	0.0	0.0	0.0
03/17/2023 09:00 AM	0.0	0.0	0.0
03/17/2023 10:00 AM	0.0	0.0	0.0
03/17/2023 11:00 AM	0.0	0.0	0.0
03/17/2023 12:00 PM	0.0	0.0	0.0
03/17/2023 01:00 PM	0.0	0.0	0.0
03/17/2023 02:00 PM	0.0	0.0	0.0
03/17/2023 03:00 PM	0.0	0.0	0.0
03/17/2023 04:00 PM	0.0	0.0	0.0
03/17/2023 05:00 PM	0.0	0.0	0.0
03/17/2023 06:00 PM	0.0	0.0	0.0
03/17/2023 07:00 PM	0.0	0.0	0.0
03/17/2023 08:00 PM	0.0	0.0	0.0
03/17/2023 09:00 PM	0.0	0.0	0.0
03/17/2023 10:00 PM	0.0	0.0	0.0
03/17/2023 11:00 PM	0.0	0.0	0.0
03/18/2023 12:00 AM	0.0	0.0	0.0
03/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/18/2023 02:00 AM	0.0	0.0	0.0
03/18/2023 03:00 AM	0.0	0.0	0.0
03/18/2023 04:00 AM	0.0	0.0	0.0
03/18/2023 05:00 AM	0.0	0.0	0.0
03/18/2023 06:00 AM	0.0	0.0	0.0
03/18/2023 07:00 AM	0.0	0.0	0.0
03/18/2023 08:00 AM	0.0	0.0	0.0
03/18/2023 09:00 AM	0.0	0.0	0.0
03/18/2023 10:00 AM	0.0	0.0	0.0
03/18/2023 11:00 AM	0.0	0.0	0.0
03/18/2023 12:00 PM	0.0	0.0	0.0
03/18/2023 01:00 PM	0.0	0.0	0.0
03/18/2023 02:00 PM	0.0	0.0	0.0
03/18/2023 03:00 PM	0.0	0.0	0.0
03/18/2023 04:00 PM	0.0	0.0	0.0
03/18/2023 05:00 PM	0.0	0.0	0.0
03/18/2023 06:00 PM	0.0	0.0	0.0
03/18/2023 07:00 PM	0.0	0.0	0.0
03/18/2023 08:00 PM	0.0	0.0	0.0
03/18/2023 09:00 PM	0.0	0.0	0.0
03/18/2023 10:00 PM	0.0	0.0	0.0
03/18/2023 11:00 PM	0.0	0.0	0.0
03/19/2023 12:00 AM	0.0	0.0	0.0
03/19/2023 01:00 AM	0.0	0.0	0.0
03/19/2023 02:00 AM	0.0	0.0	0.0
03/19/2023 03:00 AM	0.0	0.0	0.0
03/19/2023 04:00 AM	0.0	0.0	0.0
03/19/2023 05:00 AM	0.0	0.0	0.0
03/19/2023 06:00 AM	0.0	0.0	0.0
03/19/2023 07:00 AM	0.0	0.0	0.0
03/19/2023 08:00 AM	0.0	0.0	0.0
03/19/2023 09:00 AM	0.0	0.0	0.0
03/19/2023 10:00 AM	0.0	0.0	0.0
03/19/2023 11:00 AM	0.0	0.0	0.0
03/19/2023 12:00 PM	0.0	0.0	0.0
03/19/2023 01:00 PM	0.0	0.0	0.0
03/19/2023 02:00 PM	0.0	0.0	0.0
03/19/2023 03:00 PM	0.0	0.0	0.0
03/19/2023 04:00 PM	0.0	0.0	0.0
03/19/2023 05:00 PM	0.0	0.0	0.0
03/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/19/2023 07:00 PM	0.0	0.0	0.0
03/19/2023 08:00 PM	0.0	0.0	0.0
03/19/2023 09:00 PM	0.0	0.0	0.0
03/19/2023 10:00 PM	0.0	0.0	0.0
03/19/2023 11:00 PM	0.0	0.0	0.0
03/20/2023 12:00 AM	0.0	0.0	0.0
03/20/2023 01:00 AM	0.0	0.0	0.0
03/20/2023 02:00 AM	0.0	0.0	0.0
03/20/2023 03:00 AM	0.0	0.0	0.0
03/20/2023 04:00 AM	0.0	0.0	0.0
03/20/2023 05:00 AM	0.0	0.0	0.0
03/20/2023 06:00 AM	0.0	0.0	0.0
03/20/2023 07:00 AM	0.0	0.0	0.0
03/20/2023 08:00 AM	0.0	0.0	0.0
03/20/2023 09:00 AM	0.0	0.0	0.0
03/20/2023 10:00 AM	0.0	0.0	0.0
03/20/2023 11:00 AM	0.0	0.0	0.0
03/20/2023 12:00 PM	0.0	0.0	0.0
03/20/2023 01:00 PM	0.0	0.0	0.0
03/20/2023 02:00 PM	0.0	0.0	0.0
03/20/2023 03:00 PM	0.0	0.0	0.0
03/20/2023 04:00 PM	0.0	0.0	0.0
03/20/2023 05:00 PM	0.0	0.0	0.0
03/20/2023 06:00 PM	0.0	0.0	0.0
03/20/2023 07:00 PM	0.0	0.0	0.0
03/20/2023 08:00 PM	0.0	0.0	0.0
03/20/2023 09:00 PM	0.0	0.0	0.0
03/20/2023 10:00 PM	0.0	0.0	0.0
03/20/2023 11:00 PM	0.0	0.0	0.0
03/21/2023 12:00 AM	0.0	0.0	0.0
03/21/2023 01:00 AM	0.0	0.0	0.0
03/21/2023 02:00 AM	0.0	0.0	0.0
03/21/2023 03:00 AM	0.0	0.0	0.0
03/21/2023 04:00 AM	0.0	0.0	0.0
03/21/2023 05:00 AM	0.0	0.0	0.0
03/21/2023 06:00 AM	0.0	0.0	0.0
03/21/2023 07:00 AM	0.0	0.0	0.0
03/21/2023 08:00 AM	0.0	0.0	0.0
03/21/2023 09:00 AM	1,998.1	0.0	1,877.8
03/21/2023 10:00 AM	1,979.1	1,848.7	1,905.4
03/21/2023 11:00 AM	1,848.7	1,806.4	1,827.2

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/21/2023 12:00 PM	1,806.4	1,763.0	1,786.7
03/21/2023 01:00 PM	1,763.0	1,718.3	1,743.4
03/21/2023 02:00 PM	1,723.1	1,666.9	1,695.0
03/21/2023 03:00 PM	1,666.9	0.0	111.1
03/21/2023 04:00 PM	0.0	0.0	0.0
03/21/2023 05:00 PM	0.0	0.0	0.0
03/21/2023 06:00 PM	0.0	0.0	0.0
03/21/2023 07:00 PM	0.0	0.0	0.0
03/21/2023 08:00 PM	0.0	0.0	0.0
03/21/2023 09:00 PM	0.0	0.0	0.0
03/21/2023 10:00 PM	0.0	0.0	0.0
03/21/2023 11:00 PM	0.0	0.0	0.0
03/22/2023 12:00 AM	0.0	0.0	0.0
03/22/2023 01:00 AM	0.0	0.0	0.0
03/22/2023 02:00 AM	0.0	0.0	0.0
03/22/2023 03:00 AM	0.0	0.0	0.0
03/22/2023 04:00 AM	0.0	0.0	0.0
03/22/2023 05:00 AM	0.0	0.0	0.0
03/22/2023 06:00 AM	0.0	0.0	0.0
03/22/2023 07:00 AM	0.0	0.0	0.0
03/22/2023 08:00 AM	0.0	0.0	0.0
03/22/2023 09:00 AM	0.0	0.0	0.0
03/22/2023 10:00 AM	0.0	0.0	0.0
03/22/2023 11:00 AM	0.0	0.0	0.0
03/22/2023 12:00 PM	0.0	0.0	0.0
03/22/2023 01:00 PM	0.0	0.0	0.0
03/22/2023 02:00 PM	0.0	0.0	0.0
03/22/2023 03:00 PM	0.0	0.0	0.0
03/22/2023 04:00 PM	0.0	0.0	0.0
03/22/2023 05:00 PM	0.0	0.0	0.0
03/22/2023 06:00 PM	0.0	0.0	0.0
03/22/2023 07:00 PM	0.0	0.0	0.0
03/22/2023 08:00 PM	0.0	0.0	0.0
03/22/2023 09:00 PM	0.0	0.0	0.0
03/22/2023 10:00 PM	0.0	0.0	0.0
03/22/2023 11:00 PM	0.0	0.0	0.0
03/23/2023 12:00 AM	0.0	0.0	0.0
03/23/2023 01:00 AM	0.0	0.0	0.0
03/23/2023 02:00 AM	0.0	0.0	0.0
03/23/2023 03:00 AM	0.0	0.0	0.0
03/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/23/2023 05:00 AM	0.0	0.0	0.0
03/23/2023 06:00 AM	0.0	0.0	0.0
03/23/2023 07:00 AM	0.0	0.0	0.0
03/23/2023 08:00 AM	0.0	0.0	0.0
03/23/2023 09:00 AM	0.0	0.0	0.0
03/23/2023 10:00 AM	1,904.0	0.0	1,389.4
03/23/2023 11:00 AM	1,805.2	1,730.6	1,753.4
03/23/2023 12:00 PM	1,734.3	1,622.8	1,665.4
03/23/2023 01:00 PM	1,632.5	1,570.5	1,600.3
03/23/2023 02:00 PM	1,582.8	1,538.1	1,562.5
03/23/2023 03:00 PM	1,542.7	0.0	77.1
03/23/2023 04:00 PM	0.0	0.0	0.0
03/23/2023 05:00 PM	0.0	0.0	0.0
03/23/2023 06:00 PM	0.0	0.0	0.0
03/23/2023 07:00 PM	0.0	0.0	0.0
03/23/2023 08:00 PM	0.0	0.0	0.0
03/23/2023 09:00 PM	0.0	0.0	0.0
03/23/2023 10:00 PM	0.0	0.0	0.0
03/23/2023 11:00 PM	0.0	0.0	0.0
03/24/2023 12:00 AM	0.0	0.0	0.0
03/24/2023 01:00 AM	0.0	0.0	0.0
03/24/2023 02:00 AM	0.0	0.0	0.0
03/24/2023 03:00 AM	0.0	0.0	0.0
03/24/2023 04:00 AM	0.0	0.0	0.0
03/24/2023 05:00 AM	0.0	0.0	0.0
03/24/2023 06:00 AM	0.0	0.0	0.0
03/24/2023 07:00 AM	0.0	0.0	0.0
03/24/2023 08:00 AM	0.0	0.0	0.0
03/24/2023 09:00 AM	0.0	0.0	0.0
03/24/2023 10:00 AM	0.0	0.0	0.0
03/24/2023 11:00 AM	0.0	0.0	0.0
03/24/2023 12:00 PM	0.0	0.0	0.0
03/24/2023 01:00 PM	0.0	0.0	0.0
03/24/2023 02:00 PM	0.0	0.0	0.0
03/24/2023 03:00 PM	0.0	0.0	0.0
03/24/2023 04:00 PM	0.0	0.0	0.0
03/24/2023 05:00 PM	0.0	0.0	0.0
03/24/2023 06:00 PM	0.0	0.0	0.0
03/24/2023 07:00 PM	0.0	0.0	0.0
03/24/2023 08:00 PM	0.0	0.0	0.0
03/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/24/2023 10:00 PM	0.0	0.0	0.0
03/24/2023 11:00 PM	0.0	0.0	0.0
03/25/2023 12:00 AM	0.0	0.0	0.0
03/25/2023 01:00 AM	0.0	0.0	0.0
03/25/2023 02:00 AM	0.0	0.0	0.0
03/25/2023 03:00 AM	0.0	0.0	0.0
03/25/2023 04:00 AM	0.0	0.0	0.0
03/25/2023 05:00 AM	0.0	0.0	0.0
03/25/2023 06:00 AM	0.0	0.0	0.0
03/25/2023 07:00 AM	0.0	0.0	0.0
03/25/2023 08:00 AM	0.0	0.0	0.0
03/25/2023 09:00 AM	0.0	0.0	0.0
03/25/2023 10:00 AM	0.0	0.0	0.0
03/25/2023 11:00 AM	0.0	0.0	0.0
03/25/2023 12:00 PM	0.0	0.0	0.0
03/25/2023 01:00 PM	0.0	0.0	0.0
03/25/2023 02:00 PM	0.0	0.0	0.0
03/25/2023 03:00 PM	0.0	0.0	0.0
03/25/2023 04:00 PM	0.0	0.0	0.0
03/25/2023 05:00 PM	0.0	0.0	0.0
03/25/2023 06:00 PM	0.0	0.0	0.0
03/25/2023 07:00 PM	0.0	0.0	0.0
03/25/2023 08:00 PM	0.0	0.0	0.0
03/25/2023 09:00 PM	0.0	0.0	0.0
03/25/2023 10:00 PM	0.0	0.0	0.0
03/25/2023 11:00 PM	0.0	0.0	0.0
03/26/2023 12:00 AM	0.0	0.0	0.0
03/26/2023 01:00 AM	0.0	0.0	0.0
03/26/2023 02:00 AM	0.0	0.0	0.0
03/26/2023 03:00 AM	0.0	0.0	0.0
03/26/2023 04:00 AM	0.0	0.0	0.0
03/26/2023 05:00 AM	0.0	0.0	0.0
03/26/2023 06:00 AM	0.0	0.0	0.0
03/26/2023 07:00 AM	0.0	0.0	0.0
03/26/2023 08:00 AM	0.0	0.0	0.0
03/26/2023 09:00 AM	0.0	0.0	0.0
03/26/2023 10:00 AM	0.0	0.0	0.0
03/26/2023 11:00 AM	0.0	0.0	0.0
03/26/2023 12:00 PM	0.0	0.0	0.0
03/26/2023 01:00 PM	0.0	0.0	0.0
03/26/2023 02:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/26/2023 03:00 PM	0.0	0.0	0.0
03/26/2023 04:00 PM	0.0	0.0	0.0
03/26/2023 05:00 PM	0.0	0.0	0.0
03/26/2023 06:00 PM	0.0	0.0	0.0
03/26/2023 07:00 PM	0.0	0.0	0.0
03/26/2023 08:00 PM	0.0	0.0	0.0
03/26/2023 09:00 PM	0.0	0.0	0.0
03/26/2023 10:00 PM	0.0	0.0	0.0
03/26/2023 11:00 PM	0.0	0.0	0.0
03/27/2023 12:00 AM	0.0	0.0	0.0
03/27/2023 01:00 AM	0.0	0.0	0.0
03/27/2023 02:00 AM	0.0	0.0	0.0
03/27/2023 03:00 AM	0.0	0.0	0.0
03/27/2023 04:00 AM	0.0	0.0	0.0
03/27/2023 05:00 AM	0.0	0.0	0.0
03/27/2023 06:00 AM	0.0	0.0	0.0
03/27/2023 07:00 AM	0.0	0.0	0.0
03/27/2023 08:00 AM	0.0	0.0	0.0
03/27/2023 09:00 AM	0.0	0.0	0.0
03/27/2023 10:00 AM	0.0	0.0	0.0
03/27/2023 11:00 AM	0.0	0.0	0.0
03/27/2023 12:00 PM	0.0	0.0	0.0
03/27/2023 01:00 PM	0.0	0.0	0.0
03/27/2023 02:00 PM	0.0	0.0	0.0
03/27/2023 03:00 PM	0.0	0.0	0.0
03/27/2023 04:00 PM	0.0	0.0	0.0
03/27/2023 05:00 PM	0.0	0.0	0.0
03/27/2023 06:00 PM	0.0	0.0	0.0
03/27/2023 07:00 PM	0.0	0.0	0.0
03/27/2023 08:00 PM	0.0	0.0	0.0
03/27/2023 09:00 PM	0.0	0.0	0.0
03/27/2023 10:00 PM	0.0	0.0	0.0
03/27/2023 11:00 PM	0.0	0.0	0.0
03/28/2023 12:00 AM	0.0	0.0	0.0
03/28/2023 01:00 AM	0.0	0.0	0.0
03/28/2023 02:00 AM	0.0	0.0	0.0
03/28/2023 03:00 AM	0.0	0.0	0.0
03/28/2023 04:00 AM	0.0	0.0	0.0
03/28/2023 05:00 AM	0.0	0.0	0.0
03/28/2023 06:00 AM	0.0	0.0	0.0
03/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/28/2023 08:00 AM	0.0	0.0	0.0
03/28/2023 09:00 AM	1,999.3	0.0	1,882.8
03/28/2023 10:00 AM	1,979.6	1,849.6	1,909.8
03/28/2023 11:00 AM	1,851.9	1,781.0	1,816.1
03/28/2023 12:00 PM	1,781.2	1,731.8	1,755.3
03/28/2023 01:00 PM	1,735.0	1,695.7	1,714.5
03/28/2023 02:00 PM	1,702.6	1,654.1	1,685.3
03/28/2023 03:00 PM	1,658.3	0.0	137.6
03/28/2023 04:00 PM	0.0	0.0	0.0
03/28/2023 05:00 PM	0.0	0.0	0.0
03/28/2023 06:00 PM	0.0	0.0	0.0
03/28/2023 07:00 PM	0.0	0.0	0.0
03/28/2023 08:00 PM	0.0	0.0	0.0
03/28/2023 09:00 PM	0.0	0.0	0.0
03/28/2023 10:00 PM	0.0	0.0	0.0
03/28/2023 11:00 PM	0.0	0.0	0.0
03/29/2023 12:00 AM	0.0	0.0	0.0
03/29/2023 01:00 AM	0.0	0.0	0.0
03/29/2023 02:00 AM	0.0	0.0	0.0
03/29/2023 03:00 AM	0.0	0.0	0.0
03/29/2023 04:00 AM	0.0	0.0	0.0
03/29/2023 05:00 AM	0.0	0.0	0.0
03/29/2023 06:00 AM	0.0	0.0	0.0
03/29/2023 07:00 AM	0.0	0.0	0.0
03/29/2023 08:00 AM	0.0	0.0	0.0
03/29/2023 09:00 AM	0.0	0.0	0.0
03/29/2023 10:00 AM	0.0	0.0	0.0
03/29/2023 11:00 AM	0.0	0.0	0.0
03/29/2023 12:00 PM	0.0	0.0	0.0
03/29/2023 01:00 PM	0.0	0.0	0.0
03/29/2023 02:00 PM	0.0	0.0	0.0
03/29/2023 03:00 PM	0.0	0.0	0.0
03/29/2023 04:00 PM	0.0	0.0	0.0
03/29/2023 05:00 PM	0.0	0.0	0.0
03/29/2023 06:00 PM	0.0	0.0	0.0
03/29/2023 07:00 PM	0.0	0.0	0.0
03/29/2023 08:00 PM	0.0	0.0	0.0
03/29/2023 09:00 PM	0.0	0.0	0.0
03/29/2023 10:00 PM	0.0	0.0	0.0
03/29/2023 11:00 PM	0.0	0.0	0.0
03/30/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/30/2023 01:00 AM	0.0	0.0	0.0
03/30/2023 02:00 AM	0.0	0.0	0.0
03/30/2023 03:00 AM	0.0	0.0	0.0
03/30/2023 04:00 AM	0.0	0.0	0.0
03/30/2023 05:00 AM	0.0	0.0	0.0
03/30/2023 06:00 AM	0.0	0.0	0.0
03/30/2023 07:00 AM	0.0	0.0	0.0
03/30/2023 08:00 AM	0.0	0.0	0.0
03/30/2023 09:00 AM	1,923.4	0.0	1,786.5
03/30/2023 10:00 AM	1,846.9	1,747.0	1,793.7
03/30/2023 11:00 AM	1,750.2	1,644.9	1,691.4
03/30/2023 12:00 PM	1,644.9	1,589.7	1,618.5
03/30/2023 01:00 PM	1,592.2	1,523.3	1,564.7
03/30/2023 02:00 PM	1,523.3	1,495.7	1,508.5
03/30/2023 03:00 PM	1,495.7	0.0	99.8
03/30/2023 04:00 PM	0.0	0.0	0.0
03/30/2023 05:00 PM	0.0	0.0	0.0
03/30/2023 06:00 PM	0.0	0.0	0.0
03/30/2023 07:00 PM	0.0	0.0	0.0
03/30/2023 08:00 PM	0.0	0.0	0.0
03/30/2023 09:00 PM	0.0	0.0	0.0
03/30/2023 10:00 PM	0.0	0.0	0.0
03/30/2023 11:00 PM	0.0	0.0	0.0
03/31/2023 12:00 AM	0.0	0.0	0.0
03/31/2023 01:00 AM	0.0	0.0	0.0
03/31/2023 02:00 AM	0.0	0.0	0.0
03/31/2023 03:00 AM	0.0	0.0	0.0
03/31/2023 04:00 AM	0.0	0.0	0.0
03/31/2023 05:00 AM	0.0	0.0	0.0
03/31/2023 06:00 AM	0.0	0.0	0.0
03/31/2023 07:00 AM	0.0	0.0	0.0
03/31/2023 08:00 AM	0.0	0.0	0.0
03/31/2023 09:00 AM	0.0	0.0	0.0
03/31/2023 10:00 AM	0.0	0.0	0.0
03/31/2023 11:00 AM	0.0	0.0	0.0
03/31/2023 12:00 PM	0.0	0.0	0.0
03/31/2023 01:00 PM	0.0	0.0	0.0
03/31/2023 02:00 PM	0.0	0.0	0.0
03/31/2023 03:00 PM	0.0	0.0	0.0
03/31/2023 04:00 PM	0.0	0.0	0.0
03/31/2023 05:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/31/2023 06:00 PM	0.0	0.0	0.0
03/31/2023 07:00 PM	0.0	0.0	0.0
03/31/2023 08:00 PM	0.0	0.0	0.0
03/31/2023 09:00 PM	0.0	0.0	0.0
03/31/2023 10:00 PM	0.0	0.0	0.0
03/31/2023 11:00 PM	0.0	0.0	0.0

April 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
April 2023

Date	Raw Water	Finished Water
04/01/2023	338,051	328,150
04/02/2023	343,499	338,329
04/03/2023	337,125	329,170
04/04/2023	370,720	367,631
04/05/2023	229,568	220,256
04/06/2023	301,223	298,610
04/07/2023	283,531	271,610
04/08/2023	291,819	279,185
04/09/2023	294,600	285,762
04/10/2023	289,605	285,922
04/11/2023	315,893	303,240
04/12/2023	329,939	327,091
04/13/2023	369,991	363,991
04/14/2023	342,148	323,568
04/15/2023	333,415	324,883
04/16/2023	334,251	334,341
04/17/2023	340,940	322,387
04/18/2023	365,102	355,573
04/19/2023	330,688	330,547
04/20/2023	348,542	330,353
04/21/2023	304,240	304,916
04/22/2023	353,814	338,150
04/23/2023	344,098	339,048
04/24/2023	314,597	298,952
04/25/2023	390,459	377,563
04/26/2023	337,063	336,095
04/27/2023	296,600	268,572
04/28/2023	334,833	325,866
04/29/2023	341,151	333,369
04/30/2023	331,400	328,607
Totals:	**9,838,904**	**9,571,735**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
April 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
04/01/2023	7.7	6.7	7.1	8.6
04/02/2023	6.3	8.3	7.7	8.4
04/03/2023	8.1	6.2	7.3	8.4
04/04/2023	8.3	7.4	8.1	9.4
04/05/2023	4.9	4.8	5.2	5.3
04/06/2023	6.5	6.3	6.7	7.4
04/07/2023	6.1	5.9	6.2	6.8
04/08/2023	5.6	6.8	6.2	7.2
04/09/2023	6.7	5.8	6.9	6.8
04/10/2023	5.9	6.4	6.7	6.9
04/11/2023	6.9	6.5	6.9	7.5
04/12/2023	7.0	7.0	7.5	8.2
04/13/2023	9.7	6.1	7.8	9.5
04/14/2023	8.4	6.2	7.3	8.1
04/15/2023	7.8	6.4	7.4	8.1
04/16/2023	7.3	6.9	6.8	9.2
04/17/2023	7.6	6.9	7.2	8.2
04/18/2023	7.2	8.4	8.1	8.8
04/19/2023	7.1	7.0	6.7	9.2
04/20/2023	8.5	6.4	7.4	8.4
04/21/2023	5.6	7.3	6.5	8.0
04/22/2023	7.6	7.4	7.5	8.6
04/23/2023	7.5	7.1	7.7	8.6
04/24/2023	7.3	6.1	6.0	8.4
04/25/2023	8.7	7.9	8.9	9.1
04/26/2023	7.3	7.0	7.0	9.1
04/27/2023	4.4	8.2	6.4	6.4
04/28/2023	8.4	5.9	7.2	8.3
04/29/2023	8.0	6.6	7.1	8.7
04/30/2023	6.4	7.7	7.0	8.6
Totals:	**214.9**	**203.5**	**212.5**	**244.2**
	418.4		**456.7**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
April 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
04/01/2023	0.0	14.4	0.0	15.7
04/02/2023	0.0	14.7	0.0	16.1
04/03/2023	0.0	14.4	0.0	15.7
04/04/2023	0.0	15.8	0.0	17.5
04/05/2023	0.0	9.8	0.0	10.5
04/06/2023	0.0	12.8	0.0	14.2
04/07/2023	0.0	12.1	7.6	5.4
04/08/2023	0.0	12.4	13.4	0.0
04/09/2023	0.0	12.6	13.7	0.0
04/10/2023	0.0	12.4	13.7	0.0
04/11/2023	0.0	13.5	14.5	0.0
04/12/2023	0.0	14.1	15.7	0.0
04/13/2023	0.0	15.8	17.4	0.0
04/14/2023	0.0	14.6	15.5	0.0
04/15/2023	0.0	14.3	15.6	0.0
04/16/2023	0.0	14.3	16.0	0.0
04/17/2023	0.0	14.6	15.4	0.0
04/18/2023	0.0	15.6	17.0	0.0
04/19/2023	0.0	14.2	15.9	0.0
04/20/2023	0.0	14.9	15.8	0.0
04/21/2023	0.0	13.0	14.5	0.0
04/22/2023	0.0	15.1	5.5	10.5
04/23/2023	0.0	14.7	0.0	16.4
04/24/2023	0.0	13.5	0.0	14.5
04/25/2023	0.0	16.7	0.0	18.0
04/26/2023	0.0	14.4	0.0	16.1
04/27/2023	0.0	12.7	0.0	12.8
04/28/2023	0.0	14.3	0.0	15.5
04/29/2023	0.0	14.7	0.0	15.9
04/30/2023	0.0	14.2	0.0	15.7
Totals:	**0.0**	**420.5**	**227.4**	**230.6**
	420.5		**458.0**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
April 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
04/01/2023	0.0	0	24.0	335,422
04/02/2023	0.0	0	24.0	335,350
04/03/2023	0.0	0	24.0	335,346
04/04/2023	6.0	30,639	24.0	335,015
04/05/2023	0.0	0	9.0	124,379
04/06/2023	6.0	30,937	14.3	202,000
04/07/2023	0.0	0	20.5	289,000
04/08/2023	0.0	0	16.5	233,000
04/09/2023	0.0	0	21.8	308,000
04/10/2023	0.0	0	20.7	292,000
04/11/2023	6.0	30,809	8.0	116,865
04/12/2023	0.0	0	24.0	330,741
04/13/2023	6.0	30,673	24.0	330,597
04/14/2023	0.0	0	24.0	330,669
04/15/2023	0.0	0	24.0	330,194
04/16/2023	0.0	0	24.0	329,341
04/17/2023	0.0	0	24.0	329,420
04/18/2023	6.0	30,589	24.0	329,245
04/19/2023	0.0	0	24.0	329,864
04/20/2023	1.0	3,228	24.0	329,361
04/21/2023	0.0	0	9.0	124,285
04/22/2023	0.0	0	21.7	307,000
04/23/2023	0.0	0	24.0	351,000
04/24/2023	0.0	0	24.0	341,000
04/25/2023	8.0	40,987	20.9	295,000
04/26/2023	0.0	0	24.0	349,000
04/27/2023	0.0	0	12.0	159,235
04/28/2023	0.0	0	24.0	331,685
04/29/2023	0.0	0	24.0	331,622
04/30/2023	0.0	0	24.0	331,310
Totals:	**39.0**	**197,862**	**630.4**	**8,796,946**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/01/2023 12:00 AM	0.0	196.5	411.5	411.5
03/01/2023 01:00 AM	0.0	196.4	411.5	411.5
03/01/2023 02:00 AM	0.0	196.4	411.5	411.5
03/01/2023 03:00 AM	0.0	196.4	411.5	411.5
03/01/2023 04:00 AM	0.0	196.4	411.5	411.5
03/01/2023 05:00 AM	0.0	196.4	411.5	411.5
03/01/2023 06:00 AM	0.0	196.4	411.5	411.5
03/01/2023 07:00 AM	0.0	196.4	411.5	411.5
03/01/2023 08:00 AM	0.0	196.4	411.5	411.5
03/01/2023 09:00 AM	0.0	196.4	411.5	411.5
03/01/2023 10:00 AM	0.0	196.4	411.5	411.5
03/01/2023 11:00 AM	0.0	196.4	411.5	411.5
03/01/2023 12:00 PM	0.0	196.4	411.5	411.5
03/01/2023 01:00 PM	0.0	196.3	411.5	411.5
03/01/2023 02:00 PM	0.0	196.3	411.5	411.5
03/01/2023 03:00 PM	0.0	196.3	411.5	411.5
03/01/2023 04:00 PM	0.0	196.3	411.5	411.5
03/01/2023 05:00 PM	0.0	196.3	411.5	411.5
03/01/2023 06:00 PM	0.0	196.3	411.5	411.5
03/01/2023 07:00 PM	0.0	196.3	411.5	411.5
03/01/2023 08:00 PM	0.0	196.3	411.5	411.5
03/01/2023 09:00 PM	0.0	196.3	411.5	411.5
03/01/2023 10:00 PM	0.0	196.3	411.5	411.5
03/01/2023 11:00 PM	0.0	196.3	411.5	411.5
03/02/2023 12:00 AM	0.0	196.3	411.5	411.5
03/02/2023 01:00 AM	0.0	196.3	411.5	411.5
03/02/2023 02:00 AM	0.0	196.3	411.5	411.5
03/02/2023 03:00 AM	0.0	196.3	411.5	411.5
03/02/2023 04:00 AM	0.0	196.3	411.5	411.5
03/02/2023 05:00 AM	0.0	196.3	411.5	411.5
03/02/2023 06:00 AM	0.0	196.3	411.5	411.5
03/02/2023 07:00 AM	0.0	196.3	411.5	411.5
03/02/2023 08:00 AM	0.0	196.3	411.5	411.5
03/02/2023 09:00 AM	193.4	196.3	411.5	411.5
03/02/2023 10:00 AM	88.4	196.9	137.2	411.5
03/02/2023 11:00 AM	203.9	196.8	267.5	411.5
03/02/2023 12:00 PM	204.0	196.8	411.5	411.5
03/02/2023 01:00 PM	204.2	196.8	411.5	411.5
03/02/2023 02:00 PM	204.3	196.8	411.5	411.5
03/02/2023 03:00 PM	81.7	197.2	411.5	411.5
03/02/2023 04:00 PM	0.0	196.8	411.5	411.5
03/02/2023 05:00 PM	0.0	196.6	411.5	411.5
03/02/2023 06:00 PM	0.0	196.5	411.5	411.5
03/02/2023 07:00 PM	0.0	196.5	411.5	411.5
03/02/2023 08:00 PM	0.0	196.5	411.5	411.5
03/02/2023 09:00 PM	0.0	196.5	411.5	411.5
03/02/2023 10:00 PM	0.0	196.5	411.5	411.5
03/02/2023 11:00 PM	0.0	196.5	411.5	411.5
03/03/2023 12:00 AM	0.0	196.5	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/03/2023 01:00 AM	0.0	196.6	411.5	411.5
03/03/2023 02:00 AM	0.0	196.6	411.5	411.5
03/03/2023 03:00 AM	0.0	196.6	411.5	411.5
03/03/2023 04:00 AM	0.0	196.7	411.5	411.5
03/03/2023 05:00 AM	0.0	196.7	411.5	411.5
03/03/2023 06:00 AM	0.0	196.7	411.5	411.5
03/03/2023 07:00 AM	0.0	196.7	411.5	411.5
03/03/2023 08:00 AM	0.0	196.7	411.5	411.5
03/03/2023 09:00 AM	0.0	196.6	411.5	411.5
03/03/2023 10:00 AM	0.0	196.6	411.5	411.5
03/03/2023 11:00 AM	0.0	196.6	411.5	411.5
03/03/2023 12:00 PM	0.0	196.6	411.5	411.5
03/03/2023 01:00 PM	0.0	196.5	411.5	411.5
03/03/2023 02:00 PM	0.0	196.5	411.5	411.5
03/03/2023 03:00 PM	0.0	196.5	411.5	411.5
03/03/2023 04:00 PM	0.0	196.5	411.5	411.5
03/03/2023 05:00 PM	0.0	196.5	411.5	411.5
03/03/2023 06:00 PM	0.0	196.5	411.5	411.5
03/03/2023 07:00 PM	0.0	196.5	411.5	411.5
03/03/2023 08:00 PM	0.0	196.5	411.5	411.5
03/03/2023 09:00 PM	0.0	196.5	411.5	411.5
03/03/2023 10:00 PM	0.0	196.5	411.5	411.5
03/03/2023 11:00 PM	0.0	196.5	411.5	411.5
03/04/2023 12:00 AM	0.0	196.5	411.5	411.5
03/04/2023 01:00 AM	0.0	196.5	411.5	411.5
03/04/2023 02:00 AM	0.0	196.5	411.5	411.5
03/04/2023 03:00 AM	0.0	196.5	411.5	411.5
03/04/2023 04:00 AM	0.0	196.5	411.5	411.5
03/04/2023 05:00 AM	0.0	196.5	411.5	411.5
03/04/2023 06:00 AM	0.0	196.5	411.5	411.5
03/04/2023 07:00 AM	0.0	196.5	411.5	411.5
03/04/2023 08:00 AM	0.0	196.5	411.5	411.5
03/04/2023 09:00 AM	0.0	196.6	411.5	411.5
03/04/2023 10:00 AM	0.0	196.6	411.5	411.5
03/04/2023 11:00 AM	0.0	196.6	411.5	411.5
03/04/2023 12:00 PM	0.0	196.5	411.5	411.5
03/04/2023 01:00 PM	0.0	196.5	411.5	411.5
03/04/2023 02:00 PM	0.0	196.5	411.5	411.5
03/04/2023 03:00 PM	0.0	196.5	411.5	411.5
03/04/2023 04:00 PM	0.0	196.5	411.5	411.5
03/04/2023 05:00 PM	0.0	196.5	411.5	411.5
03/04/2023 06:00 PM	0.0	196.5	411.5	411.5
03/04/2023 07:00 PM	0.0	196.5	411.5	411.5
03/04/2023 08:00 PM	0.0	196.5	411.5	411.5
03/04/2023 09:00 PM	0.0	196.5	411.5	411.5
03/04/2023 10:00 PM	0.0	196.5	411.5	411.5
03/04/2023 11:00 PM	0.0	196.5	411.5	411.5
03/05/2023 12:00 AM	0.0	196.5	411.5	411.5
03/05/2023 01:00 AM	0.0	196.5	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/05/2023 02:00 AM	0.0	196.5	411.5	411.5
03/05/2023 03:00 AM	0.0	196.5	411.5	411.5
03/05/2023 04:00 AM	0.0	196.5	411.5	411.5
03/05/2023 05:00 AM	0.0	196.5	411.5	411.5
03/05/2023 06:00 AM	0.0	196.5	411.5	411.5
03/05/2023 07:00 AM	0.0	196.5	411.5	411.5
03/05/2023 08:00 AM	0.0	196.5	411.5	411.5
03/05/2023 09:00 AM	0.0	196.5	411.5	411.5
03/05/2023 10:00 AM	0.0	196.6	411.5	411.5
03/05/2023 11:00 AM	0.0	196.6	411.5	411.5
03/05/2023 12:00 PM	0.0	196.6	411.5	411.5
03/05/2023 01:00 PM	0.0	196.5	411.5	411.5
03/05/2023 02:00 PM	0.0	196.5	411.5	411.5
03/05/2023 03:00 PM	0.0	196.5	411.5	411.5
03/05/2023 04:00 PM	0.0	196.5	411.5	411.5
03/05/2023 05:00 PM	0.0	196.5	411.5	411.5
03/05/2023 06:00 PM	0.0	196.5	411.5	411.5
03/05/2023 07:00 PM	0.0	196.5	411.5	411.5
03/05/2023 08:00 PM	0.0	196.5	411.5	411.5
03/05/2023 09:00 PM	0.0	196.6	411.5	411.5
03/05/2023 10:00 PM	0.0	196.6	411.5	411.5
03/05/2023 11:00 PM	0.0	196.6	411.5	411.5
03/06/2023 12:00 AM	0.0	196.6	411.5	411.5
03/06/2023 01:00 AM	0.0	196.6	411.5	411.5
03/06/2023 02:00 AM	0.0	196.5	411.5	411.5
03/06/2023 03:00 AM	0.0	196.5	411.5	411.5
03/06/2023 04:00 AM	0.0	196.5	411.5	411.5
03/06/2023 05:00 AM	0.0	196.5	411.5	411.5
03/06/2023 06:00 AM	0.0	196.5	411.5	411.5
03/06/2023 07:00 AM	0.0	196.5	411.5	411.5
03/06/2023 08:00 AM	0.0	196.5	411.5	411.5
03/06/2023 09:00 AM	0.0	196.6	411.5	411.5
03/06/2023 10:00 AM	0.0	196.6	411.5	411.5
03/06/2023 11:00 AM	0.0	196.6	411.5	411.5
03/06/2023 12:00 PM	0.0	196.6	411.5	411.5
03/06/2023 01:00 PM	0.0	196.6	411.5	411.5
03/06/2023 02:00 PM	0.0	196.5	411.5	411.5
03/06/2023 03:00 PM	0.0	196.5	411.5	411.5
03/06/2023 04:00 PM	0.0	196.5	411.5	411.5
03/06/2023 05:00 PM	0.0	196.5	411.5	411.5
03/06/2023 06:00 PM	0.0	196.5	411.5	411.5
03/06/2023 07:00 PM	0.0	196.5	411.5	411.5
03/06/2023 08:00 PM	0.0	196.5	411.5	411.5
03/06/2023 09:00 PM	0.0	196.5	411.5	411.5
03/06/2023 10:00 PM	0.0	196.5	411.5	411.5
03/06/2023 11:00 PM	0.0	196.5	411.5	411.5
03/07/2023 12:00 AM				
03/07/2023 01:00 AM				
03/07/2023 02:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/07/2023 03:00 AM				
03/07/2023 04:00 AM				
03/07/2023 05:00 AM				
03/07/2023 06:00 AM				
03/07/2023 07:00 AM				
03/07/2023 08:00 AM				
03/07/2023 09:00 AM				
03/07/2023 10:00 AM	204.3	196.5	411.5	411.5
03/07/2023 11:00 AM	204.5	196.5	411.5	411.5
03/07/2023 12:00 PM	204.6	196.5	411.5	411.5
03/07/2023 01:00 PM	204.7	196.5	411.5	411.5
03/07/2023 02:00 PM	204.8	196.5	411.5	411.5
03/07/2023 03:00 PM			411.5	411.5
03/07/2023 04:00 PM	0.0	197.0	411.5	411.5
03/07/2023 05:00 PM	0.0	196.9	411.5	411.5
03/07/2023 06:00 PM	0.0	196.8	411.5	411.5
03/07/2023 07:00 PM	0.0	196.8	411.5	411.5
03/07/2023 08:00 PM	0.0	196.7	411.5	411.5
03/07/2023 09:00 PM	0.0	196.7	411.5	411.5
03/07/2023 10:00 PM	0.0	196.7	411.5	411.5
03/07/2023 11:00 PM	0.0	196.7	411.5	411.5
03/08/2023 12:00 AM	0.0	196.7	411.5	411.5
03/08/2023 01:00 AM	0.0	196.7	411.5	411.5
03/08/2023 02:00 AM	0.0	196.7	411.5	411.5
03/08/2023 03:00 AM	0.0	196.7	411.5	411.5
03/08/2023 04:00 AM	0.0	196.6	411.5	411.5
03/08/2023 05:00 AM	0.0	196.6	411.5	411.5
03/08/2023 06:00 AM	0.0	196.6	411.5	411.5
03/08/2023 07:00 AM	0.0	196.6	411.5	411.5
03/08/2023 08:00 AM	0.0	196.6	411.5	411.5
03/08/2023 09:00 AM	0.0	196.6	411.5	411.5
03/08/2023 10:00 AM	0.0	196.7	411.5	411.5
03/08/2023 11:00 AM	0.0	196.7	411.5	411.5
03/08/2023 12:00 PM	0.0	196.7	411.5	411.5
03/08/2023 01:00 PM	0.0	196.6	411.5	411.5
03/08/2023 02:00 PM	0.0	196.6	411.5	411.5
03/08/2023 03:00 PM	0.0	196.6	411.5	411.5
03/08/2023 04:00 PM	0.0	196.6	411.5	411.5
03/08/2023 05:00 PM	0.0	196.6	411.5	411.5
03/08/2023 06:00 PM	0.0	196.6	411.5	411.5
03/08/2023 07:00 PM	0.0	196.6	411.5	411.5
03/08/2023 08:00 PM	0.0	196.6	411.5	411.5
03/08/2023 09:00 PM	0.0	196.6	411.5	411.5
03/08/2023 10:00 PM	0.0	196.6	411.5	411.5
03/08/2023 11:00 PM	0.0	196.6	411.5	411.5
03/09/2023 12:00 AM	0.0	196.7	411.5	411.5
03/09/2023 01:00 AM	0.0	196.7	411.5	411.5
03/09/2023 02:00 AM	0.0	196.8	411.5	411.5
03/09/2023 03:00 AM	0.0	196.8	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/09/2023 04:00 AM	0.0	196.8	411.5	411.5
03/09/2023 05:00 AM	0.0	196.8	411.5	411.5
03/09/2023 06:00 AM	0.0	196.7	411.5	411.5
03/09/2023 07:00 AM	0.0	196.8	411.5	411.5
03/09/2023 08:00 AM	0.0	196.8	411.5	411.5
03/09/2023 09:00 AM	180.2	196.8	411.5	411.5
03/09/2023 10:00 AM	204.5	196.8	411.5	411.5
03/09/2023 11:00 AM	204.7	196.8	411.5	411.5
03/09/2023 12:00 PM	204.8	196.8	411.5	411.5
03/09/2023 01:00 PM	204.8	196.8	411.5	411.5
03/09/2023 02:00 PM	204.9	196.8	411.5	411.5
03/09/2023 03:00 PM	10.2	197.9	411.5	411.5
03/09/2023 04:00 PM	0.0	197.2	411.5	411.5
03/09/2023 05:00 PM	0.0	197.1	411.5	411.5
03/09/2023 06:00 PM	0.0	197.0	411.5	411.5
03/09/2023 07:00 PM	0.0	196.9	411.5	411.5
03/09/2023 08:00 PM	0.0	196.9	411.5	411.5
03/09/2023 09:00 PM	0.0	196.9	411.5	411.5
03/09/2023 10:00 PM	0.0	196.9	411.5	411.5
03/09/2023 11:00 PM	0.0	196.9	411.5	411.5
03/10/2023 12:00 AM	0.0	196.9	411.5	411.5
03/10/2023 01:00 AM	0.0	197.0	411.5	411.5
03/10/2023 02:00 AM	0.0	197.0	411.5	411.5
03/10/2023 03:00 AM	0.0	197.1	411.5	411.5
03/10/2023 04:00 AM	0.0	197.1	411.5	411.5
03/10/2023 05:00 AM	0.0	197.1	411.5	411.5
03/10/2023 06:00 AM	0.0	197.1	411.5	411.5
03/10/2023 07:00 AM	0.0	197.0	411.5	411.5
03/10/2023 08:00 AM	0.0	197.0	411.5	411.5
03/10/2023 09:00 AM	0.0	197.0	411.5	411.5
03/10/2023 10:00 AM	0.0	197.0	411.5	411.5
03/10/2023 11:00 AM	0.0	197.0	411.5	411.5
03/10/2023 12:00 PM	0.0	197.0	411.5	411.5
03/10/2023 01:00 PM	0.0	197.0	411.5	411.5
03/10/2023 02:00 PM	0.0	196.9	411.5	411.5
03/10/2023 03:00 PM	0.0	196.9	411.5	411.5
03/10/2023 04:00 PM	0.0	196.9	411.5	411.5
03/10/2023 05:00 PM	0.0	196.8	411.5	411.5
03/10/2023 06:00 PM	0.0	196.8	411.5	411.5
03/10/2023 07:00 PM	0.0	196.8	411.5	411.5
03/10/2023 08:00 PM	0.0	196.8	411.5	411.5
03/10/2023 09:00 PM	0.0	196.8	411.5	411.5
03/10/2023 10:00 PM	0.0	196.8	411.5	411.5
03/10/2023 11:00 PM	0.0	196.8	411.5	411.5
03/11/2023 12:00 AM	0.0	196.8	411.5	411.5
03/11/2023 01:00 AM	0.0	196.8	411.5	411.5
03/11/2023 02:00 AM	0.0	196.8	411.5	411.5
03/11/2023 03:00 AM	0.0	196.8	411.5	411.5
03/11/2023 04:00 AM	0.0	196.8	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/11/2023 05:00 AM	0.0	196.8	411.5	411.5
03/11/2023 06:00 AM	0.0	196.8	411.5	411.5
03/11/2023 07:00 AM	0.0	196.8	411.5	411.5
03/11/2023 08:00 AM	0.0	196.8	411.5	411.5
03/11/2023 09:00 AM	0.0	196.8	411.5	411.5
03/11/2023 10:00 AM	0.0	196.8	411.5	411.5
03/11/2023 11:00 AM	0.0	196.8	411.5	411.5
03/11/2023 12:00 PM	0.0	196.8	411.5	411.5
03/11/2023 01:00 PM	0.0	196.8	411.5	411.5
03/11/2023 02:00 PM	0.0	196.8	411.5	411.5
03/11/2023 03:00 PM	0.0	196.7	411.5	411.5
03/11/2023 04:00 PM	0.0	196.7	411.5	411.5
03/11/2023 05:00 PM	0.0	196.7	411.5	411.5
03/11/2023 06:00 PM	0.0	196.7	411.5	411.5
03/11/2023 07:00 PM	0.0	196.7	411.5	411.5
03/11/2023 08:00 PM	0.0	196.7	411.5	411.5
03/11/2023 09:00 PM	0.0	196.7	411.5	411.5
03/11/2023 10:00 PM	0.0	196.7	411.5	411.5
03/11/2023 11:00 PM	0.0	196.7	411.5	411.5
03/12/2023 12:00 AM	0.0	196.7	411.5	411.5
03/12/2023 01:00 AM	0.0	196.7	411.5	411.5
03/12/2023 02:00 AM				
03/12/2023 03:00 AM	0.0	196.7	411.5	411.5
03/12/2023 04:00 AM	0.0	196.7	411.5	411.5
03/12/2023 05:00 AM	0.0	196.7	411.5	411.5
03/12/2023 06:00 AM	0.0	196.7	411.5	411.5
03/12/2023 07:00 AM	0.0	196.7	411.5	411.5
03/12/2023 08:00 AM	0.0	196.8	411.5	411.5
03/12/2023 09:00 AM	0.0	196.8	411.5	411.5
03/12/2023 10:00 AM	0.0	196.8	411.5	411.5
03/12/2023 11:00 AM	0.0	196.8	411.5	411.5
03/12/2023 12:00 PM	0.0	196.8	411.5	411.5
03/12/2023 01:00 PM	0.0	196.8	411.5	411.5
03/12/2023 02:00 PM	0.0	196.7	411.5	411.5
03/12/2023 03:00 PM	0.0	196.7	411.5	411.5
03/12/2023 04:00 PM	0.0	196.7	411.5	411.5
03/12/2023 05:00 PM	0.0	196.7	411.5	411.5
03/12/2023 06:00 PM	0.0	196.7	411.5	411.5
03/12/2023 07:00 PM	0.0	196.7	411.5	411.5
03/12/2023 08:00 PM	0.0	196.7	411.5	411.5
03/12/2023 09:00 PM	0.0	196.7	411.5	411.5
03/12/2023 10:00 PM	0.0	196.7	411.5	411.5
03/12/2023 11:00 PM	0.0	196.7	411.5	411.5
03/13/2023 12:00 AM	0.0	196.7	411.5	411.5
03/13/2023 01:00 AM	0.0	196.7	411.5	411.5
03/13/2023 02:00 AM	0.0	196.7	411.5	411.5
03/13/2023 03:00 AM	0.0	196.7	411.5	411.5
03/13/2023 04:00 AM	0.0	196.7	411.5	411.5
03/13/2023 05:00 AM	0.0	196.7	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/13/2023 06:00 AM	0.0	196.7	411.5	411.5
03/13/2023 07:00 AM	0.0	196.7	411.5	411.5
03/13/2023 08:00 AM	0.0	196.7	411.5	411.5
03/13/2023 09:00 AM	0.0	196.7	411.5	411.5
03/13/2023 10:00 AM	0.0	196.7	411.5	411.5
03/13/2023 11:00 AM	0.0	196.7	411.5	411.5
03/13/2023 12:00 PM	0.0	196.7	411.5	411.5
03/13/2023 01:00 PM	0.0	196.7	411.5	411.5
03/13/2023 02:00 PM	0.0	196.7	411.5	411.5
03/13/2023 03:00 PM	0.0	196.7	411.5	411.5
03/13/2023 04:00 PM	0.0	196.7	411.5	411.5
03/13/2023 05:00 PM	0.0	196.7	411.5	411.5
03/13/2023 06:00 PM	0.0	196.7	411.5	411.5
03/13/2023 07:00 PM	0.0	196.7	411.5	411.5
03/13/2023 08:00 PM	0.0	196.7	411.5	411.5
03/13/2023 09:00 PM	0.0	196.6	411.5	411.5
03/13/2023 10:00 PM	0.0	196.6	411.5	411.5
03/13/2023 11:00 PM	0.0	196.6	411.5	411.5
03/14/2023 12:00 AM	0.0	196.6	411.5	411.5
03/14/2023 01:00 AM	0.0	196.6	411.5	411.5
03/14/2023 02:00 AM	0.0	196.6	411.5	411.5
03/14/2023 03:00 AM	0.0	196.6	411.5	411.5
03/14/2023 04:00 AM	0.0	196.7	411.5	411.5
03/14/2023 05:00 AM	0.0	196.7	411.5	411.5
03/14/2023 06:00 AM	0.0	196.7	411.5	411.5
03/14/2023 07:00 AM	0.0	196.7	411.5	411.5
03/14/2023 08:00 AM	0.0	196.7	411.5	411.5
03/14/2023 09:00 AM	0.0	196.7	411.5	411.5
03/14/2023 10:00 AM	3.4	196.7	411.5	411.5
03/14/2023 11:00 AM	204.4	196.7	411.5	411.5
03/14/2023 12:00 PM	204.7	196.7	411.5	411.5
03/14/2023 01:00 PM	204.8	196.7	411.5	411.5
03/14/2023 02:00 PM	204.9	196.7	411.5	411.5
03/14/2023 03:00 PM	205.0	196.7	411.5	411.5
03/14/2023 04:00 PM	54.7	197.4	411.5	411.5
03/14/2023 05:00 PM	0.0	197.3	411.5	411.5
03/14/2023 06:00 PM	0.0	197.1	411.5	411.5
03/14/2023 07:00 PM	0.0	197.1	411.5	411.5
03/14/2023 08:00 PM	0.0	197.0	411.5	411.5
03/14/2023 09:00 PM	0.0	197.0	411.5	411.5
03/14/2023 10:00 PM	0.0	196.9	411.5	411.5
03/14/2023 11:00 PM	0.0	196.9	411.5	411.5
03/15/2023 12:00 AM	0.0	196.9	411.5	411.5
03/15/2023 01:00 AM	0.0	196.9	411.5	411.5
03/15/2023 02:00 AM	0.0	196.8	411.5	411.5
03/15/2023 03:00 AM	0.0	196.8	411.5	411.5
03/15/2023 04:00 AM	0.0	196.8	411.5	411.5
03/15/2023 05:00 AM	0.0	196.8	411.5	411.5
03/15/2023 06:00 AM	0.0	196.8	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/15/2023 07:00 AM	0.0	196.8	411.5	411.5
03/15/2023 08:00 AM	0.0	196.8	411.5	411.5
03/15/2023 09:00 AM	0.0	196.8	336.1	411.5
03/15/2023 10:00 AM	0.0	196.7	0.0	411.5
03/15/2023 11:00 AM	0.0	196.4	68.6	411.5
03/15/2023 12:00 PM	0.0	196.2	411.5	411.5
03/15/2023 01:00 PM	0.0	196.4	411.5	411.5
03/15/2023 02:00 PM	0.0	196.5	411.5	411.5
03/15/2023 03:00 PM	0.0	196.6	411.5	411.5
03/15/2023 04:00 PM	0.0	196.6	411.5	411.5
03/15/2023 05:00 PM	0.0	196.7	411.5	411.5
03/15/2023 06:00 PM	0.0	196.7	411.5	411.5
03/15/2023 07:00 PM	0.0	196.7	411.5	411.5
03/15/2023 08:00 PM	0.0	196.7	411.5	411.5
03/15/2023 09:00 PM	0.0	196.7	411.5	411.5
03/15/2023 10:00 PM	0.0	196.7	411.5	411.5
03/15/2023 11:00 PM	0.0	196.7	411.5	411.5
03/16/2023 12:00 AM	0.0	196.7	411.5	411.5
03/16/2023 01:00 AM	0.0	196.8	411.5	411.5
03/16/2023 02:00 AM	0.0	196.8	411.5	411.5
03/16/2023 03:00 AM	0.0	196.8	411.5	411.5
03/16/2023 04:00 AM	0.0	196.8	411.5	411.5
03/16/2023 05:00 AM	0.0	196.8	411.5	411.5
03/16/2023 06:00 AM	0.0	196.8	411.5	411.5
03/16/2023 07:00 AM	0.0	196.8	411.5	411.5
03/16/2023 08:00 AM	0.0	196.8	411.5	411.5
03/16/2023 09:00 AM	0.0	196.8	411.5	411.5
03/16/2023 10:00 AM	192.9	196.8	411.5	411.5
03/16/2023 11:00 AM	204.3	196.8	411.5	411.5
03/16/2023 12:00 PM	204.7	196.8	411.5	411.5
03/16/2023 01:00 PM	204.8	196.8	411.5	411.5
03/16/2023 02:00 PM	204.8	196.8	411.5	411.5
03/16/2023 03:00 PM	204.9	196.8	411.5	411.5
03/16/2023 04:00 PM	10.3	197.9	411.5	411.5
03/16/2023 05:00 PM	0.0	197.2	411.5	411.5
03/16/2023 06:00 PM	0.0	197.1	411.5	411.5
03/16/2023 07:00 PM	0.0	197.0	411.5	411.5
03/16/2023 08:00 PM	0.0	197.0	411.5	411.5
03/16/2023 09:00 PM	0.0	196.9	411.5	411.5
03/16/2023 10:00 PM	0.0	196.9	411.5	411.5
03/16/2023 11:00 PM	0.0	196.9	411.5	411.5
03/17/2023 12:00 AM	0.0	196.9	411.5	411.5
03/17/2023 01:00 AM	0.0	196.9	411.5	411.5
03/17/2023 02:00 AM	0.0	197.0	411.5	411.5
03/17/2023 03:00 AM	0.0	197.0	411.5	411.5
03/17/2023 04:00 AM	0.0	197.1	411.5	411.5
03/17/2023 05:00 AM	0.0	197.1	411.5	411.5
03/17/2023 06:00 AM	0.0	197.2	411.5	411.5
03/17/2023 07:00 AM	0.0	197.2	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/17/2023 08:00 AM	0.0	197.1	411.5	411.5
03/17/2023 09:00 AM	0.0	197.1	411.5	411.5
03/17/2023 10:00 AM	0.0	197.1	411.5	411.5
03/17/2023 11:00 AM	0.0	197.1	411.5	411.5
03/17/2023 12:00 PM	0.0	197.1	411.5	411.5
03/17/2023 01:00 PM	0.0	197.0	411.5	411.5
03/17/2023 02:00 PM	0.0	197.0	411.5	411.5
03/17/2023 03:00 PM	0.0	196.9	411.5	411.5
03/17/2023 04:00 PM	0.0	196.9	411.5	411.5
03/17/2023 05:00 PM	0.0	196.9	411.5	411.5
03/17/2023 06:00 PM	0.0	196.9	411.5	411.5
03/17/2023 07:00 PM	0.0	196.9	411.5	411.5
03/17/2023 08:00 PM	0.0	196.9	411.5	411.5
03/17/2023 09:00 PM	0.0	196.9	411.5	411.5
03/17/2023 10:00 PM	0.0	196.9	411.5	411.5
03/17/2023 11:00 PM	0.0	196.9	411.5	411.5
03/18/2023 12:00 AM	0.0	196.8	411.5	411.5
03/18/2023 01:00 AM	0.0	196.8	411.5	411.5
03/18/2023 02:00 AM	0.0	196.8	411.5	411.5
03/18/2023 03:00 AM	0.0	196.8	411.5	411.5
03/18/2023 04:00 AM	0.0	196.8	411.5	411.5
03/18/2023 05:00 AM	0.0	196.8	411.5	411.5
03/18/2023 06:00 AM	0.0	196.8	411.5	411.5
03/18/2023 07:00 AM	0.0	196.8	411.5	411.5
03/18/2023 08:00 AM	0.0	196.8	411.5	411.5
03/18/2023 09:00 AM	0.0	196.8	411.5	411.5
03/18/2023 10:00 AM	0.0	196.8	411.5	411.5
03/18/2023 11:00 AM	0.0	196.8	411.5	411.5
03/18/2023 12:00 PM	0.0	196.8	411.5	411.5
03/18/2023 01:00 PM	0.0	196.8	411.5	411.5
03/18/2023 02:00 PM	0.0	196.8	411.5	411.5
03/18/2023 03:00 PM	0.0	196.8	411.5	411.5
03/18/2023 04:00 PM	0.0	196.8	411.5	411.5
03/18/2023 05:00 PM	0.0	196.8	411.5	411.5
03/18/2023 06:00 PM	0.0	196.8	411.5	411.5
03/18/2023 07:00 PM	0.0	196.8	411.5	411.5
03/18/2023 08:00 PM	0.0	196.8	411.5	411.5
03/18/2023 09:00 PM	0.0	196.8	411.5	411.5
03/18/2023 10:00 PM	0.0	196.8	411.5	411.5
03/18/2023 11:00 PM	0.0	196.8	411.5	411.5
03/19/2023 12:00 AM	0.0	196.8	411.5	411.5
03/19/2023 01:00 AM	0.0	196.8	411.5	411.5
03/19/2023 02:00 AM	0.0	196.8	411.5	411.5
03/19/2023 03:00 AM	0.0	196.8	411.5	411.5
03/19/2023 04:00 AM	0.0	196.8	411.5	411.5
03/19/2023 05:00 AM	0.0	196.8	411.5	411.5
03/19/2023 06:00 AM	0.0	196.8	411.5	411.5
03/19/2023 07:00 AM	0.0	196.8	411.5	411.5
03/19/2023 08:00 AM	0.0	196.8	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/19/2023 09:00 AM	0.0	196.8	411.5	411.5
03/19/2023 10:00 AM	0.0	196.8	411.5	411.5
03/19/2023 11:00 AM	0.0	196.8	411.5	411.5
03/19/2023 12:00 PM	0.0	196.8	411.5	411.5
03/19/2023 01:00 PM	0.0	196.7	411.5	411.5
03/19/2023 02:00 PM	0.0	196.7	411.5	411.5
03/19/2023 03:00 PM	0.0	196.7	411.5	411.5
03/19/2023 04:00 PM	0.0	196.6	411.5	411.5
03/19/2023 05:00 PM	0.0	196.6	411.5	411.5
03/19/2023 06:00 PM	0.0	196.6	411.5	411.5
03/19/2023 07:00 PM	0.0	196.6	411.5	411.5
03/19/2023 08:00 PM	0.0	196.6	411.5	411.5
03/19/2023 09:00 PM	0.0	196.6	411.5	411.5
03/19/2023 10:00 PM	0.0	196.6	411.5	411.5
03/19/2023 11:00 PM	0.0	196.6	411.5	411.5
03/20/2023 12:00 AM	0.0	196.6	411.5	411.5
03/20/2023 01:00 AM	0.0	196.6	411.5	411.5
03/20/2023 02:00 AM	0.0	196.6	411.5	411.5
03/20/2023 03:00 AM	0.0	196.6	411.5	411.5
03/20/2023 04:00 AM	0.0	196.5	411.5	411.5
03/20/2023 05:00 AM	0.0	196.5	411.5	411.5
03/20/2023 06:00 AM	0.0	196.5	411.5	411.5
03/20/2023 07:00 AM	0.0	196.5	411.5	411.5
03/20/2023 08:00 AM	0.0	196.5	411.5	411.5
03/20/2023 09:00 AM	0.0	196.5	411.5	411.5
03/20/2023 10:00 AM	0.0	196.5	411.5	411.5
03/20/2023 11:00 AM	0.0	196.5	411.5	411.5
03/20/2023 12:00 PM	0.0	196.5	411.5	411.5
03/20/2023 01:00 PM	0.0	196.5	411.5	411.5
03/20/2023 02:00 PM	0.0	196.5	411.5	411.5
03/20/2023 03:00 PM	0.0	196.4	411.5	411.5
03/20/2023 04:00 PM	0.0	196.4	411.5	411.5
03/20/2023 05:00 PM	0.0	196.4	411.5	411.5
03/20/2023 06:00 PM	0.0	196.4	411.5	411.5
03/20/2023 07:00 PM	0.0	196.4	411.5	411.5
03/20/2023 08:00 PM	0.0	196.4	411.5	411.5
03/20/2023 09:00 PM	0.0	196.4	411.5	411.5
03/20/2023 10:00 PM	0.0	196.4	411.5	411.5
03/20/2023 11:00 PM	0.0	196.5	411.5	411.5
03/21/2023 12:00 AM	0.0	196.5	411.5	411.5
03/21/2023 01:00 AM	0.0	196.5	411.5	411.5
03/21/2023 02:00 AM	0.0	196.5	411.5	411.5
03/21/2023 03:00 AM	0.0	196.5	411.5	411.5
03/21/2023 04:00 AM	0.0	196.4	411.5	411.5
03/21/2023 05:00 AM	0.0	196.4	411.5	411.5
03/21/2023 06:00 AM	0.0	196.4	411.5	411.5
03/21/2023 07:00 AM	0.0	196.4	411.5	411.5
03/21/2023 08:00 AM	0.0	196.5	411.5	411.5
03/21/2023 09:00 AM	193.5	196.5	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/21/2023 10:00 AM	204.4	196.5	411.5	411.5
03/21/2023 11:00 AM	204.6	196.5	411.5	411.5
03/21/2023 12:00 PM	204.6	196.5	411.5	411.5
03/21/2023 01:00 PM	204.7	196.5	411.5	411.5
03/21/2023 02:00 PM	204.8	196.5	411.5	411.5
03/21/2023 03:00 PM	13.7	197.5	411.5	411.5
03/21/2023 04:00 PM	0.0	197.0	411.5	411.5
03/21/2023 05:00 PM	0.0	196.9	411.5	411.5
03/21/2023 06:00 PM	0.0	196.8	411.5	411.5
03/21/2023 07:00 PM	0.0	196.8	411.5	411.5
03/21/2023 08:00 PM	0.0	196.7	411.5	411.5
03/21/2023 09:00 PM	0.0	196.7	411.5	411.5
03/21/2023 10:00 PM	0.0	196.8	411.5	411.5
03/21/2023 11:00 PM	0.0	196.8	411.5	411.5
03/22/2023 12:00 AM	0.0	196.8	411.5	411.5
03/22/2023 01:00 AM	0.0	196.9	411.5	411.5
03/22/2023 02:00 AM	0.0	196.9	411.5	411.5
03/22/2023 03:00 AM	0.0	197.0	411.5	411.5
03/22/2023 04:00 AM	0.0	197.0	411.5	411.5
03/22/2023 05:00 AM	0.0	197.1	411.5	411.5
03/22/2023 06:00 AM	0.0	197.1	411.5	411.5
03/22/2023 07:00 AM	0.0	197.1	411.5	411.5
03/22/2023 08:00 AM	0.0	197.1	411.5	411.5
03/22/2023 09:00 AM	0.0	197.1	411.5	411.5
03/22/2023 10:00 AM	0.0	197.1	411.5	411.5
03/22/2023 11:00 AM	0.0	197.1	411.5	411.5
03/22/2023 12:00 PM	0.0	197.0	411.5	411.5
03/22/2023 01:00 PM	0.0	197.0	411.5	411.5
03/22/2023 02:00 PM	0.0	197.0	411.5	411.5
03/22/2023 03:00 PM	0.0	197.0	411.5	411.5
03/22/2023 04:00 PM	0.0	196.9	411.5	411.5
03/22/2023 05:00 PM	0.0	196.9	411.5	411.5
03/22/2023 06:00 PM	0.0	196.9	411.5	411.5
03/22/2023 07:00 PM	0.0	196.8	411.5	411.5
03/22/2023 08:00 PM	0.0	196.8	411.5	411.5
03/22/2023 09:00 PM	0.0	196.8	411.5	411.5
03/22/2023 10:00 PM	0.0	196.9	411.5	411.5
03/22/2023 11:00 PM	0.0	196.9	411.5	411.5
03/23/2023 12:00 AM	0.0	196.9	411.5	411.5
03/23/2023 01:00 AM	0.0	196.9	411.5	411.5
03/23/2023 02:00 AM	0.0	197.0	411.5	411.5
03/23/2023 03:00 AM	0.0	197.0	411.5	411.5
03/23/2023 04:00 AM	0.0	197.0	411.5	411.5
03/23/2023 05:00 AM	0.0	197.0	411.5	411.5
03/23/2023 06:00 AM	0.0	197.0	411.5	411.5
03/23/2023 07:00 AM	0.0	197.0	411.5	411.5
03/23/2023 08:00 AM	0.0	197.0	411.5	411.5
03/23/2023 09:00 AM	0.0	197.0	411.5	411.5
03/23/2023 10:00 AM	153.6	197.0	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/23/2023 11:00 AM	204.9	197.0	411.5	411.5
03/23/2023 12:00 PM	205.0	197.0	411.5	411.5
03/23/2023 01:00 PM	205.1	197.0	411.5	411.5
03/23/2023 02:00 PM	205.1	197.0	411.5	411.5
03/23/2023 03:00 PM	10.3	197.8	411.5	411.5
03/23/2023 04:00 PM	0.0	197.4	411.5	411.5
03/23/2023 05:00 PM	0.0	197.2	411.5	411.5
03/23/2023 06:00 PM	0.0	197.1	411.5	411.5
03/23/2023 07:00 PM	0.0	197.1	411.5	411.5
03/23/2023 08:00 PM	0.0	197.1	411.5	411.5
03/23/2023 09:00 PM	0.0	197.0	411.5	411.5
03/23/2023 10:00 PM	0.0	197.0	411.5	411.5
03/23/2023 11:00 PM	0.0	197.0	411.5	411.5
03/24/2023 12:00 AM	0.0	197.1	411.5	411.5
03/24/2023 01:00 AM	0.0	197.1	411.5	411.5
03/24/2023 02:00 AM	0.0	197.2	411.5	411.5
03/24/2023 03:00 AM	0.0	197.2	411.5	411.5
03/24/2023 04:00 AM	0.0	197.3	411.5	411.5
03/24/2023 05:00 AM	0.0	197.3	411.5	411.5
03/24/2023 06:00 AM	0.0	197.3	411.5	411.5
03/24/2023 07:00 AM	0.0	197.3	411.5	411.5
03/24/2023 08:00 AM	0.0	197.3	411.5	411.5
03/24/2023 09:00 AM	0.0	197.3	411.5	411.5
03/24/2023 10:00 AM	0.0	197.3	411.5	411.5
03/24/2023 11:00 AM	0.0	197.2	411.5	411.5
03/24/2023 12:00 PM	0.0	197.2	411.5	411.5
03/24/2023 01:00 PM	0.0	197.2	411.5	411.5
03/24/2023 02:00 PM	0.0	197.2	411.5	411.5
03/24/2023 03:00 PM	0.0	197.1	411.5	411.5
03/24/2023 04:00 PM	0.0	197.1	411.5	411.5
03/24/2023 05:00 PM	0.0	197.1	411.5	411.5
03/24/2023 06:00 PM	0.0	197.1	411.5	411.5
03/24/2023 07:00 PM	0.0	197.0	411.5	411.5
03/24/2023 08:00 PM	0.0	197.0	411.5	411.5
03/24/2023 09:00 PM	0.0	197.0	411.5	411.5
03/24/2023 10:00 PM	0.0	197.0	411.5	411.5
03/24/2023 11:00 PM	0.0	197.0	411.5	411.5
03/25/2023 12:00 AM	0.0	197.0	411.5	411.5
03/25/2023 01:00 AM	0.0	197.0	411.5	411.5
03/25/2023 02:00 AM	0.0	197.0	411.5	411.5
03/25/2023 03:00 AM	0.0	197.0	411.5	411.5
03/25/2023 04:00 AM	0.0	197.0	411.5	411.5
03/25/2023 05:00 AM	0.0	197.0	411.5	411.5
03/25/2023 06:00 AM	0.0	197.0	411.5	411.5
03/25/2023 07:00 AM	0.0	197.0	411.5	411.5
03/25/2023 08:00 AM	0.0	197.0	411.5	411.5
03/25/2023 09:00 AM	0.0	197.0	411.5	411.5
03/25/2023 10:00 AM	0.0	197.0	411.5	411.5
03/25/2023 11:00 AM	0.0	197.0	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/25/2023 12:00 PM	0.0	197.0	411.5	411.5
03/25/2023 01:00 PM	0.0	196.9	411.5	411.5
03/25/2023 02:00 PM	0.0	196.9	411.5	411.5
03/25/2023 03:00 PM	0.0	196.9	411.5	411.5
03/25/2023 04:00 PM	0.0	196.9	411.5	411.5
03/25/2023 05:00 PM	0.0	196.9	411.5	411.5
03/25/2023 06:00 PM	0.0	196.9	411.5	411.5
03/25/2023 07:00 PM	0.0	196.8	411.5	411.5
03/25/2023 08:00 PM	0.0	196.8	411.5	411.5
03/25/2023 09:00 PM	0.0	196.8	411.5	411.5
03/25/2023 10:00 PM	0.0	196.8	411.5	411.5
03/25/2023 11:00 PM	0.0	196.8	411.5	411.5
03/26/2023 12:00 AM	0.0	196.9	411.5	411.5
03/26/2023 01:00 AM	0.0	196.9	411.5	411.5
03/26/2023 02:00 AM	0.0	196.9	411.5	411.5
03/26/2023 03:00 AM	0.0	196.9	411.5	411.5
03/26/2023 04:00 AM	0.0	196.9	411.5	411.5
03/26/2023 05:00 AM	0.0	196.9	411.5	411.5
03/26/2023 06:00 AM	0.0	196.9	411.5	411.5
03/26/2023 07:00 AM	0.0	196.9	411.5	411.5
03/26/2023 08:00 AM	0.0	196.9	411.5	411.5
03/26/2023 09:00 AM	0.0	196.9	411.5	411.5
03/26/2023 10:00 AM	0.0	196.9	411.5	411.5
03/26/2023 11:00 AM	0.0	196.9	411.5	411.5
03/26/2023 12:00 PM	0.0	196.9	411.5	411.5
03/26/2023 01:00 PM	0.0	196.9	411.5	411.5
03/26/2023 02:00 PM	0.0	196.9	411.5	411.5
03/26/2023 03:00 PM	0.0	196.9	411.5	411.5
03/26/2023 04:00 PM	0.0	196.9	411.5	411.5
03/26/2023 05:00 PM	0.0	196.9	411.5	411.5
03/26/2023 06:00 PM	0.0	196.9	411.5	411.5
03/26/2023 07:00 PM	0.0	196.9	411.5	411.5
03/26/2023 08:00 PM	0.0	196.9	411.5	411.5
03/26/2023 09:00 PM	0.0	196.9	411.5	411.5
03/26/2023 10:00 PM	0.0	196.9	411.5	411.5
03/26/2023 11:00 PM	0.0	196.9	411.5	411.5
03/27/2023 12:00 AM	0.0	196.9	411.5	411.5
03/27/2023 01:00 AM	0.0	197.0	411.5	411.5
03/27/2023 02:00 AM	0.0	197.1	411.5	411.5
03/27/2023 03:00 AM	0.0	197.1	411.5	411.5
03/27/2023 04:00 AM	0.0	197.2	411.5	411.5
03/27/2023 05:00 AM	0.0	197.2	411.5	411.5
03/27/2023 06:00 AM	0.0	197.3	411.5	411.5
03/27/2023 07:00 AM	0.0	197.3	411.5	411.5
03/27/2023 08:00 AM	0.0	197.3	411.5	411.5
03/27/2023 09:00 AM	0.0	197.2	411.5	411.5
03/27/2023 10:00 AM	0.0	197.2	411.5	411.5
03/27/2023 11:00 AM	0.0	197.2	411.5	411.5
03/27/2023 12:00 PM	0.0	197.2	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/27/2023 01:00 PM	0.0	197.2	411.5	411.5
03/27/2023 02:00 PM	0.0	197.1	411.5	411.5
03/27/2023 03:00 PM	0.0	197.1	411.5	411.5
03/27/2023 04:00 PM	0.0	197.1	411.5	411.5
03/27/2023 05:00 PM	0.0	197.1	411.5	411.5
03/27/2023 06:00 PM	0.0	197.1	411.5	411.5
03/27/2023 07:00 PM	0.0	197.1	411.5	411.5
03/27/2023 08:00 PM	0.0	197.1	411.5	411.5
03/27/2023 09:00 PM	0.0	197.1	411.5	411.5
03/27/2023 10:00 PM	0.0	197.1	411.5	411.5
03/27/2023 11:00 PM	0.0	197.1	411.5	411.5
03/28/2023 12:00 AM	0.0	197.1	411.5	411.5
03/28/2023 01:00 AM	0.0	197.1	411.5	411.5
03/28/2023 02:00 AM	0.0	197.2	411.5	411.5
03/28/2023 03:00 AM	0.0	197.2	411.5	411.5
03/28/2023 04:00 AM	0.0	197.2	411.5	411.5
03/28/2023 05:00 AM	0.0	197.2	411.5	411.5
03/28/2023 06:00 AM	0.0	197.2	411.5	411.5
03/28/2023 07:00 AM	0.0	197.2	411.5	411.5
03/28/2023 08:00 AM	0.0	197.2	411.5	411.5
03/28/2023 09:00 AM	194.3	197.2	411.5	411.5
03/28/2023 10:00 AM	205.0	197.2	411.5	411.5
03/28/2023 11:00 AM	205.2	197.2	411.5	411.5
03/28/2023 12:00 PM	205.3	197.2	411.5	411.5
03/28/2023 01:00 PM	205.3	197.2	411.5	411.5
03/28/2023 02:00 PM	205.3	197.2	411.5	411.5
03/28/2023 03:00 PM	17.1	197.9	411.5	411.5
03/28/2023 04:00 PM	0.0	197.6	411.5	411.5
03/28/2023 05:00 PM	0.0	197.4	411.5	411.5
03/28/2023 06:00 PM	0.0	197.3	411.5	411.5
03/28/2023 07:00 PM	0.0	197.3	411.5	411.5
03/28/2023 08:00 PM	0.0	197.2	411.5	411.5
03/28/2023 09:00 PM	0.0	197.2	411.5	411.5
03/28/2023 10:00 PM	0.0	197.2	411.5	411.5
03/28/2023 11:00 PM	0.0	197.2	411.5	411.5
03/29/2023 12:00 AM	0.0	197.2	411.5	411.5
03/29/2023 01:00 AM	0.0	197.2	411.5	411.5
03/29/2023 02:00 AM	0.0	197.2	411.5	411.5
03/29/2023 03:00 AM	0.0	197.3	411.5	411.5
03/29/2023 04:00 AM	0.0	197.3	411.5	411.5
03/29/2023 05:00 AM	0.0	197.3	411.5	411.5
03/29/2023 06:00 AM	0.0	197.4	411.5	411.5
03/29/2023 07:00 AM	0.0	197.4	411.5	411.5
03/29/2023 08:00 AM	0.0	197.3	411.5	411.5
03/29/2023 09:00 AM	0.0	197.3	411.5	411.5
03/29/2023 10:00 AM	0.0	197.3	411.5	411.5
03/29/2023 11:00 AM	0.0	197.3	411.5	411.5
03/29/2023 12:00 PM	0.0	197.2	411.5	411.5
03/29/2023 01:00 PM	0.0	197.2	411.5	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/29/2023 02:00 PM	0.0	197.1	411.5	411.5
03/29/2023 03:00 PM	0.0	197.1	411.5	411.5
03/29/2023 04:00 PM	0.0	197.1	411.5	411.5
03/29/2023 05:00 PM	0.0	197.0	411.5	411.5
03/29/2023 06:00 PM	0.0	197.0	411.5	411.5
03/29/2023 07:00 PM	0.0	197.0	411.5	411.5
03/29/2023 08:00 PM	0.0	197.0	411.5	411.5
03/29/2023 09:00 PM	0.0	196.9	411.5	411.5
03/29/2023 10:00 PM	0.0	196.9	411.5	411.5
03/29/2023 11:00 PM	0.0	196.9	411.5	411.5
03/30/2023 12:00 AM	0.0	196.9	411.5	411.5
03/30/2023 01:00 AM	0.0	196.9	411.5	411.5
03/30/2023 02:00 AM	0.0	196.9	411.5	411.5
03/30/2023 03:00 AM	0.0	196.8	411.5	411.5
03/30/2023 04:00 AM	0.0	196.8	411.5	411.5
03/30/2023 05:00 AM	0.0	196.8	411.5	411.5
03/30/2023 06:00 AM	0.0	196.8	411.5	411.5
03/30/2023 07:00 AM	0.0	196.8	411.5	411.5
03/30/2023 08:00 AM	0.0	196.8	411.5	411.5
03/30/2023 09:00 AM	193.9	196.8	411.5	411.5
03/30/2023 10:00 AM	204.6	196.8	411.5	411.5
03/30/2023 11:00 AM	204.8	196.8	411.5	411.5
03/30/2023 12:00 PM	204.9	196.8	411.5	411.5
03/30/2023 01:00 PM	204.9	196.8	411.5	411.5
03/30/2023 02:00 PM	204.9	196.8	411.5	411.5
03/30/2023 03:00 PM	13.7	197.6	411.5	411.5
03/30/2023 04:00 PM	0.0	197.2	411.5	411.5
03/30/2023 05:00 PM	0.0	197.1	411.5	411.5
03/30/2023 06:00 PM	0.0	197.0	411.5	411.5
03/30/2023 07:00 PM	0.0	197.0	411.5	411.5
03/30/2023 08:00 PM	0.0	197.0	411.5	411.5
03/30/2023 09:00 PM	0.0	197.0	411.5	411.5
03/30/2023 10:00 PM	0.0	196.9	411.5	411.5
03/30/2023 11:00 PM	0.0	196.9	411.5	411.5
03/31/2023 12:00 AM	0.0	196.9	411.5	411.5
03/31/2023 01:00 AM	0.0	196.9	411.5	411.5
03/31/2023 02:00 AM	0.0	196.9	411.5	411.5
03/31/2023 03:00 AM	0.0	196.9	411.5	411.5
03/31/2023 04:00 AM	0.0	196.9	411.5	411.5
03/31/2023 05:00 AM	0.0	196.9	411.5	411.5
03/31/2023 06:00 AM	0.0	196.9	411.5	411.5
03/31/2023 07:00 AM	0.0	196.9	411.5	411.5
03/31/2023 08:00 AM	0.0	197.0	411.5	411.5
03/31/2023 09:00 AM	0.0	197.0	411.5	411.5
03/31/2023 10:00 AM	0.0	197.0	369.4	411.5
03/31/2023 11:00 AM	0.0	197.0	276.8	411.5
03/31/2023 12:00 PM	0.0	197.0	276.7	411.5
03/31/2023 01:00 PM	0.0	197.0	276.7	411.5
03/31/2023 02:00 PM	0.0	197.0	276.7	411.5

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
March 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
03/31/2023 03:00 PM	0.0	197.0	276.7	411.5
03/31/2023 04:00 PM	0.0	196.9	276.7	411.5
03/31/2023 05:00 PM	0.0	197.0	276.7	411.5
03/31/2023 06:00 PM	0.0	197.0	276.7	411.5
03/31/2023 07:00 PM	0.0	197.0	276.7	411.5
03/31/2023 08:00 PM	0.0	197.0	276.8	411.5
03/31/2023 09:00 PM	0.0	197.0	276.8	411.5
03/31/2023 10:00 PM	0.0	197.0	276.9	411.5
03/31/2023 11:00 PM	0.0	197.0	276.9	411.5

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/01/2023 12:00 AM	0.0	0.0	0.0
03/01/2023 01:00 AM	0.0	0.0	0.0
03/01/2023 02:00 AM	0.0	0.0	0.0
03/01/2023 03:00 AM	0.0	0.0	0.0
03/01/2023 04:00 AM	0.0	0.0	0.0
03/01/2023 05:00 AM	0.0	0.0	0.0
03/01/2023 06:00 AM	0.0	0.0	0.0
03/01/2023 07:00 AM	0.0	0.0	0.0
03/01/2023 08:00 AM	0.0	0.0	0.0
03/01/2023 09:00 AM	0.0	0.0	0.0
03/01/2023 10:00 AM	0.0	0.0	0.0
03/01/2023 11:00 AM	0.0	0.0	0.0
03/01/2023 12:00 PM	0.0	0.0	0.0
03/01/2023 01:00 PM	0.0	0.0	0.0
03/01/2023 02:00 PM	0.0	0.0	0.0
03/01/2023 03:00 PM	0.0	0.0	0.0
03/01/2023 04:00 PM	0.0	0.0	0.0
03/01/2023 05:00 PM	0.0	0.0	0.0
03/01/2023 06:00 PM	0.0	0.0	0.0
03/01/2023 07:00 PM	0.0	0.0	0.0
03/01/2023 08:00 PM	0.0	0.0	0.0
03/01/2023 09:00 PM	0.0	0.0	0.0
03/01/2023 10:00 PM	0.0	0.0	0.0
03/01/2023 11:00 PM	0.0	0.0	0.0
03/02/2023 12:00 AM	0.0	0.0	0.0
03/02/2023 01:00 AM	0.0	0.0	0.0
03/02/2023 02:00 AM	0.0	0.0	0.0
03/02/2023 03:00 AM	0.0	0.0	0.0
03/02/2023 04:00 AM	0.0	0.0	0.0
03/02/2023 05:00 AM	0.0	0.0	0.0
03/02/2023 06:00 AM	0.0	0.0	0.0
03/02/2023 07:00 AM	0.0	0.0	0.0
03/02/2023 08:00 AM	0.0	0.0	0.0
03/02/2023 09:00 AM	1,998.4	0.0	1,843.8
03/02/2023 10:00 AM	1,926.3	0.0	816.1
03/02/2023 11:00 AM	1,830.6	1,697.4	1,760.5
03/02/2023 12:00 PM	1,697.4	1,639.4	1,671.3
03/02/2023 01:00 PM	1,641.2	1,588.9	1,609.5
03/02/2023 02:00 PM	1,589.8	1,524.0	1,560.2
03/02/2023 03:00 PM	1,532.9	0.0	607.8
03/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/02/2023 05:00 PM	0.0	0.0	0.0
03/02/2023 06:00 PM	0.0	0.0	0.0
03/02/2023 07:00 PM	0.0	0.0	0.0
03/02/2023 08:00 PM	0.0	0.0	0.0
03/02/2023 09:00 PM	0.0	0.0	0.0
03/02/2023 10:00 PM	0.0	0.0	0.0
03/02/2023 11:00 PM	0.0	0.0	0.0
03/03/2023 12:00 AM	0.0	0.0	0.0
03/03/2023 01:00 AM	0.0	0.0	0.0
03/03/2023 02:00 AM	0.0	0.0	0.0
03/03/2023 03:00 AM	0.0	0.0	0.0
03/03/2023 04:00 AM	0.0	0.0	0.0
03/03/2023 05:00 AM	0.0	0.0	0.0
03/03/2023 06:00 AM	0.0	0.0	0.0
03/03/2023 07:00 AM	0.0	0.0	0.0
03/03/2023 08:00 AM	0.0	0.0	0.0
03/03/2023 09:00 AM	0.0	0.0	0.0
03/03/2023 10:00 AM	0.0	0.0	0.0
03/03/2023 11:00 AM	0.0	0.0	0.0
03/03/2023 12:00 PM	0.0	0.0	0.0
03/03/2023 01:00 PM	0.0	0.0	0.0
03/03/2023 02:00 PM	0.0	0.0	0.0
03/03/2023 03:00 PM	0.0	0.0	0.0
03/03/2023 04:00 PM	0.0	0.0	0.0
03/03/2023 05:00 PM	0.0	0.0	0.0
03/03/2023 06:00 PM	0.0	0.0	0.0
03/03/2023 07:00 PM	0.0	0.0	0.0
03/03/2023 08:00 PM	0.0	0.0	0.0
03/03/2023 09:00 PM	0.0	0.0	0.0
03/03/2023 10:00 PM	0.0	0.0	0.0
03/03/2023 11:00 PM	0.0	0.0	0.0
03/04/2023 12:00 AM	0.0	0.0	0.0
03/04/2023 01:00 AM	0.0	0.0	0.0
03/04/2023 02:00 AM	0.0	0.0	0.0
03/04/2023 03:00 AM	0.0	0.0	0.0
03/04/2023 04:00 AM	0.0	0.0	0.0
03/04/2023 05:00 AM	0.0	0.0	0.0
03/04/2023 06:00 AM	0.0	0.0	0.0
03/04/2023 07:00 AM	0.0	0.0	0.0
03/04/2023 08:00 AM	0.0	0.0	0.0
03/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/04/2023 10:00 AM	0.0	0.0	0.0
03/04/2023 11:00 AM	0.0	0.0	0.0
03/04/2023 12:00 PM	0.0	0.0	0.0
03/04/2023 01:00 PM	0.0	0.0	0.0
03/04/2023 02:00 PM	0.0	0.0	0.0
03/04/2023 03:00 PM	0.0	0.0	0.0
03/04/2023 04:00 PM	0.0	0.0	0.0
03/04/2023 05:00 PM	0.0	0.0	0.0
03/04/2023 06:00 PM	0.0	0.0	0.0
03/04/2023 07:00 PM	0.0	0.0	0.0
03/04/2023 08:00 PM	0.0	0.0	0.0
03/04/2023 09:00 PM	0.0	0.0	0.0
03/04/2023 10:00 PM	0.0	0.0	0.0
03/04/2023 11:00 PM	0.0	0.0	0.0
03/05/2023 12:00 AM	0.0	0.0	0.0
03/05/2023 01:00 AM	0.0	0.0	0.0
03/05/2023 02:00 AM	0.0	0.0	0.0
03/05/2023 03:00 AM	0.0	0.0	0.0
03/05/2023 04:00 AM	0.0	0.0	0.0
03/05/2023 05:00 AM	0.0	0.0	0.0
03/05/2023 06:00 AM	0.0	0.0	0.0
03/05/2023 07:00 AM	0.0	0.0	0.0
03/05/2023 08:00 AM	0.0	0.0	0.0
03/05/2023 09:00 AM	0.0	0.0	0.0
03/05/2023 10:00 AM	0.0	0.0	0.0
03/05/2023 11:00 AM	0.0	0.0	0.0
03/05/2023 12:00 PM	0.0	0.0	0.0
03/05/2023 01:00 PM	0.0	0.0	0.0
03/05/2023 02:00 PM	0.0	0.0	0.0
03/05/2023 03:00 PM	0.0	0.0	0.0
03/05/2023 04:00 PM	0.0	0.0	0.0
03/05/2023 05:00 PM	0.0	0.0	0.0
03/05/2023 06:00 PM	0.0	0.0	0.0
03/05/2023 07:00 PM	0.0	0.0	0.0
03/05/2023 08:00 PM	0.0	0.0	0.0
03/05/2023 09:00 PM	0.0	0.0	0.0
03/05/2023 10:00 PM	0.0	0.0	0.0
03/05/2023 11:00 PM	0.0	0.0	0.0
03/06/2023 12:00 AM	0.0	0.0	0.0
03/06/2023 01:00 AM	0.0	0.0	0.0
03/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/06/2023 03:00 AM	0.0	0.0	0.0
03/06/2023 04:00 AM	0.0	0.0	0.0
03/06/2023 05:00 AM	0.0	0.0	0.0
03/06/2023 06:00 AM	0.0	0.0	0.0
03/06/2023 07:00 AM	0.0	0.0	0.0
03/06/2023 08:00 AM	0.0	0.0	0.0
03/06/2023 09:00 AM	0.0	0.0	0.0
03/06/2023 10:00 AM	0.0	0.0	0.0
03/06/2023 11:00 AM	0.0	0.0	0.0
03/06/2023 12:00 PM	0.0	0.0	0.0
03/06/2023 01:00 PM	0.0	0.0	0.0
03/06/2023 02:00 PM	0.0	0.0	0.0
03/06/2023 03:00 PM	0.0	0.0	0.0
03/06/2023 04:00 PM	0.0	0.0	0.0
03/06/2023 05:00 PM	0.0	0.0	0.0
03/06/2023 06:00 PM	0.0	0.0	0.0
03/06/2023 07:00 PM	0.0	0.0	0.0
03/06/2023 08:00 PM	0.0	0.0	0.0
03/06/2023 09:00 PM	0.0	0.0	0.0
03/06/2023 10:00 PM	0.0	0.0	0.0
03/06/2023 11:00 PM	0.0	0.0	0.0
03/07/2023 12:00 AM	0.0	0.0	0.0
03/07/2023 01:00 AM	0.0	0.0	0.0
03/07/2023 02:00 AM	0.0	0.0	0.0
03/07/2023 03:00 AM	0.0	0.0	0.0
03/07/2023 04:00 AM	0.0	0.0	0.0
03/07/2023 05:00 AM	0.0	0.0	0.0
03/07/2023 06:00 AM	0.0	0.0	0.0
03/07/2023 07:00 AM	0.0	0.0	0.0
03/07/2023 08:00 AM	0.0	0.0	0.0
03/07/2023 09:00 AM	1,921.8	0.0	1,785.0
03/07/2023 10:00 AM	1,884.2	1,776.4	1,823.8
03/07/2023 11:00 AM	1,776.4	1,731.9	1,749.3
03/07/2023 12:00 PM	1,731.9	1,683.9	1,709.7
03/07/2023 01:00 PM	1,685.8	1,641.2	1,669.3
03/07/2023 02:00 PM	1,644.7	1,624.3	1,634.4
03/07/2023 03:00 PM			
03/07/2023 04:00 PM	0.0	0.0	0.0
03/07/2023 05:00 PM	0.0	0.0	0.0
03/07/2023 06:00 PM	0.0	0.0	0.0
03/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/07/2023 08:00 PM	0.0	0.0	0.0
03/07/2023 09:00 PM	0.0	0.0	0.0
03/07/2023 10:00 PM	0.0	0.0	0.0
03/07/2023 11:00 PM	0.0	0.0	0.0
03/08/2023 12:00 AM	0.0	0.0	0.0
03/08/2023 01:00 AM	0.0	0.0	0.0
03/08/2023 02:00 AM	0.0	0.0	0.0
03/08/2023 03:00 AM	0.0	0.0	0.0
03/08/2023 04:00 AM	0.0	0.0	0.0
03/08/2023 05:00 AM	0.0	0.0	0.0
03/08/2023 06:00 AM	0.0	0.0	0.0
03/08/2023 07:00 AM	0.0	0.0	0.0
03/08/2023 08:00 AM	0.0	0.0	0.0
03/08/2023 09:00 AM	0.0	0.0	0.0
03/08/2023 10:00 AM	0.0	0.0	0.0
03/08/2023 11:00 AM	0.0	0.0	0.0
03/08/2023 12:00 PM	0.0	0.0	0.0
03/08/2023 01:00 PM	0.0	0.0	0.0
03/08/2023 02:00 PM	0.0	0.0	0.0
03/08/2023 03:00 PM	0.0	0.0	0.0
03/08/2023 04:00 PM	0.0	0.0	0.0
03/08/2023 05:00 PM	0.0	0.0	0.0
03/08/2023 06:00 PM	0.0	0.0	0.0
03/08/2023 07:00 PM	0.0	0.0	0.0
03/08/2023 08:00 PM	0.0	0.0	0.0
03/08/2023 09:00 PM	0.0	0.0	0.0
03/08/2023 10:00 PM	0.0	0.0	0.0
03/08/2023 11:00 PM	0.0	0.0	0.0
03/09/2023 12:00 AM	0.0	0.0	0.0
03/09/2023 01:00 AM	0.0	0.0	0.0
03/09/2023 02:00 AM	0.0	0.0	0.0
03/09/2023 03:00 AM	0.0	0.0	0.0
03/09/2023 04:00 AM	0.0	0.0	0.0
03/09/2023 05:00 AM	0.0	0.0	0.0
03/09/2023 06:00 AM	0.0	0.0	0.0
03/09/2023 07:00 AM	0.0	0.0	0.0
03/09/2023 08:00 AM	0.0	0.0	0.0
03/09/2023 09:00 AM	1,998.2	0.0	1,730.4
03/09/2023 10:00 AM	1,925.2	1,764.2	1,844.8
03/09/2023 11:00 AM	1,764.2	1,668.7	1,716.3
03/09/2023 12:00 PM	1,668.7	1,599.7	1,634.1

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/09/2023 01:00 PM	1,606.1	1,552.0	1,575.9
03/09/2023 02:00 PM	1,556.6	1,516.5	1,533.7
03/09/2023 03:00 PM	1,516.5	0.0	75.6
03/09/2023 04:00 PM	0.0	0.0	0.0
03/09/2023 05:00 PM	0.0	0.0	0.0
03/09/2023 06:00 PM	0.0	0.0	0.0
03/09/2023 07:00 PM	0.0	0.0	0.0
03/09/2023 08:00 PM	0.0	0.0	0.0
03/09/2023 09:00 PM	0.0	0.0	0.0
03/09/2023 10:00 PM	0.0	0.0	0.0
03/09/2023 11:00 PM	0.0	0.0	0.0
03/10/2023 12:00 AM	0.0	0.0	0.0
03/10/2023 01:00 AM	0.0	0.0	0.0
03/10/2023 02:00 AM	0.0	0.0	0.0
03/10/2023 03:00 AM	0.0	0.0	0.0
03/10/2023 04:00 AM	0.0	0.0	0.0
03/10/2023 05:00 AM	0.0	0.0	0.0
03/10/2023 06:00 AM	0.0	0.0	0.0
03/10/2023 07:00 AM	0.0	0.0	0.0
03/10/2023 08:00 AM	0.0	0.0	0.0
03/10/2023 09:00 AM	0.0	0.0	0.0
03/10/2023 10:00 AM	0.0	0.0	0.0
03/10/2023 11:00 AM	0.0	0.0	0.0
03/10/2023 12:00 PM	0.0	0.0	0.0
03/10/2023 01:00 PM	0.0	0.0	0.0
03/10/2023 02:00 PM	0.0	0.0	0.0
03/10/2023 03:00 PM	0.0	0.0	0.0
03/10/2023 04:00 PM	0.0	0.0	0.0
03/10/2023 05:00 PM	0.0	0.0	0.0
03/10/2023 06:00 PM	0.0	0.0	0.0
03/10/2023 07:00 PM	0.0	0.0	0.0
03/10/2023 08:00 PM	0.0	0.0	0.0
03/10/2023 09:00 PM	0.0	0.0	0.0
03/10/2023 10:00 PM	0.0	0.0	0.0
03/10/2023 11:00 PM	0.0	0.0	0.0
03/11/2023 12:00 AM	0.0	0.0	0.0
03/11/2023 01:00 AM	0.0	0.0	0.0
03/11/2023 02:00 AM	0.0	0.0	0.0
03/11/2023 03:00 AM	0.0	0.0	0.0
03/11/2023 04:00 AM	0.0	0.0	0.0
03/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/11/2023 06:00 AM	0.0	0.0	0.0
03/11/2023 07:00 AM	0.0	0.0	0.0
03/11/2023 08:00 AM	0.0	0.0	0.0
03/11/2023 09:00 AM	0.0	0.0	0.0
03/11/2023 10:00 AM	0.0	0.0	0.0
03/11/2023 11:00 AM	0.0	0.0	0.0
03/11/2023 12:00 PM	0.0	0.0	0.0
03/11/2023 01:00 PM	0.0	0.0	0.0
03/11/2023 02:00 PM	0.0	0.0	0.0
03/11/2023 03:00 PM	0.0	0.0	0.0
03/11/2023 04:00 PM	0.0	0.0	0.0
03/11/2023 05:00 PM	0.0	0.0	0.0
03/11/2023 06:00 PM	0.0	0.0	0.0
03/11/2023 07:00 PM	0.0	0.0	0.0
03/11/2023 08:00 PM	0.0	0.0	0.0
03/11/2023 09:00 PM	0.0	0.0	0.0
03/11/2023 10:00 PM	0.0	0.0	0.0
03/11/2023 11:00 PM	0.0	0.0	0.0
03/12/2023 12:00 AM	0.0	0.0	0.0
03/12/2023 01:00 AM	0.0	0.0	0.0
03/12/2023 02:00 AM			
03/12/2023 03:00 AM	0.0	0.0	0.0
03/12/2023 04:00 AM	0.0	0.0	0.0
03/12/2023 05:00 AM	0.0	0.0	0.0
03/12/2023 06:00 AM	0.0	0.0	0.0
03/12/2023 07:00 AM	0.0	0.0	0.0
03/12/2023 08:00 AM	0.0	0.0	0.0
03/12/2023 09:00 AM	0.0	0.0	0.0
03/12/2023 10:00 AM	0.0	0.0	0.0
03/12/2023 11:00 AM	0.0	0.0	0.0
03/12/2023 12:00 PM	0.0	0.0	0.0
03/12/2023 01:00 PM	0.0	0.0	0.0
03/12/2023 02:00 PM	0.0	0.0	0.0
03/12/2023 03:00 PM	0.0	0.0	0.0
03/12/2023 04:00 PM	0.0	0.0	0.0
03/12/2023 05:00 PM	0.0	0.0	0.0
03/12/2023 06:00 PM	0.0	0.0	0.0
03/12/2023 07:00 PM	0.0	0.0	0.0
03/12/2023 08:00 PM	0.0	0.0	0.0
03/12/2023 09:00 PM	0.0	0.0	0.0
03/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/12/2023 11:00 PM	0.0	0.0	0.0
03/13/2023 12:00 AM	0.0	0.0	0.0
03/13/2023 01:00 AM	0.0	0.0	0.0
03/13/2023 02:00 AM	0.0	0.0	0.0
03/13/2023 03:00 AM	0.0	0.0	0.0
03/13/2023 04:00 AM	0.0	0.0	0.0
03/13/2023 05:00 AM	0.0	0.0	0.0
03/13/2023 06:00 AM	0.0	0.0	0.0
03/13/2023 07:00 AM	0.0	0.0	0.0
03/13/2023 08:00 AM	0.0	0.0	0.0
03/13/2023 09:00 AM	0.0	0.0	0.0
03/13/2023 10:00 AM	0.0	0.0	0.0
03/13/2023 11:00 AM	0.0	0.0	0.0
03/13/2023 12:00 PM	0.0	0.0	0.0
03/13/2023 01:00 PM	0.0	0.0	0.0
03/13/2023 02:00 PM	0.0	0.0	0.0
03/13/2023 03:00 PM	0.0	0.0	0.0
03/13/2023 04:00 PM	0.0	0.0	0.0
03/13/2023 05:00 PM	0.0	0.0	0.0
03/13/2023 06:00 PM	0.0	0.0	0.0
03/13/2023 07:00 PM	0.0	0.0	0.0
03/13/2023 08:00 PM	0.0	0.0	0.0
03/13/2023 09:00 PM	0.0	0.0	0.0
03/13/2023 10:00 PM	0.0	0.0	0.0
03/13/2023 11:00 PM	0.0	0.0	0.0
03/14/2023 12:00 AM	0.0	0.0	0.0
03/14/2023 01:00 AM	0.0	0.0	0.0
03/14/2023 02:00 AM	0.0	0.0	0.0
03/14/2023 03:00 AM	0.0	0.0	0.0
03/14/2023 04:00 AM	0.0	0.0	0.0
03/14/2023 05:00 AM	0.0	0.0	0.0
03/14/2023 06:00 AM	0.0	0.0	0.0
03/14/2023 07:00 AM	0.0	0.0	0.0
03/14/2023 08:00 AM	0.0	0.0	0.0
03/14/2023 09:00 AM	0.0	0.0	0.0
03/14/2023 10:00 AM	1,934.4	0.0	32.2
03/14/2023 11:00 AM	1,934.4	1,908.4	1,911.6
03/14/2023 12:00 PM	1,908.4	1,810.9	1,827.7
03/14/2023 01:00 PM	1,810.9	1,762.1	1,788.9
03/14/2023 02:00 PM	1,763.1	1,734.6	1,744.6
03/14/2023 03:00 PM	1,734.6	1,660.2	1,696.4

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/14/2023 04:00 PM	1,660.2	0.0	442.7
03/14/2023 05:00 PM	0.0	0.0	0.0
03/14/2023 06:00 PM	0.0	0.0	0.0
03/14/2023 07:00 PM	0.0	0.0	0.0
03/14/2023 08:00 PM	0.0	0.0	0.0
03/14/2023 09:00 PM	0.0	0.0	0.0
03/14/2023 10:00 PM	0.0	0.0	0.0
03/14/2023 11:00 PM	0.0	0.0	0.0
03/15/2023 12:00 AM	0.0	0.0	0.0
03/15/2023 01:00 AM	0.0	0.0	0.0
03/15/2023 02:00 AM	0.0	0.0	0.0
03/15/2023 03:00 AM	0.0	0.0	0.0
03/15/2023 04:00 AM	0.0	0.0	0.0
03/15/2023 05:00 AM	0.0	0.0	0.0
03/15/2023 06:00 AM	0.0	0.0	0.0
03/15/2023 07:00 AM	0.0	0.0	0.0
03/15/2023 08:00 AM	0.0	0.0	0.0
03/15/2023 09:00 AM	0.0	0.0	0.0
03/15/2023 10:00 AM	0.0	0.0	0.0
03/15/2023 11:00 AM	0.0	0.0	0.0
03/15/2023 12:00 PM	0.0	0.0	0.0
03/15/2023 01:00 PM	0.0	0.0	0.0
03/15/2023 02:00 PM	0.0	0.0	0.0
03/15/2023 03:00 PM	0.0	0.0	0.0
03/15/2023 04:00 PM	0.0	0.0	0.0
03/15/2023 05:00 PM	0.0	0.0	0.0
03/15/2023 06:00 PM	0.0	0.0	0.0
03/15/2023 07:00 PM	0.0	0.0	0.0
03/15/2023 08:00 PM	0.0	0.0	0.0
03/15/2023 09:00 PM	0.0	0.0	0.0
03/15/2023 10:00 PM	0.0	0.0	0.0
03/15/2023 11:00 PM	0.0	0.0	0.0
03/16/2023 12:00 AM	0.0	0.0	0.0
03/16/2023 01:00 AM	0.0	0.0	0.0
03/16/2023 02:00 AM	0.0	0.0	0.0
03/16/2023 03:00 AM	0.0	0.0	0.0
03/16/2023 04:00 AM	0.0	0.0	0.0
03/16/2023 05:00 AM	0.0	0.0	0.0
03/16/2023 06:00 AM	0.0	0.0	0.0
03/16/2023 07:00 AM	0.0	0.0	0.0
03/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/16/2023 09:00 AM	0.0	0.0	0.0
03/16/2023 10:00 AM	1,976.2	0.0	1,856.6
03/16/2023 11:00 AM	1,976.2	1,803.4	1,887.7
03/16/2023 12:00 PM	1,803.4	1,722.5	1,764.7
03/16/2023 01:00 PM	1,722.5	1,680.4	1,688.5
03/16/2023 02:00 PM	1,680.4	1,597.8	1,646.4
03/16/2023 03:00 PM	1,597.8	1,546.1	1,586.7
03/16/2023 04:00 PM	1,553.2	0.0	77.7
03/16/2023 05:00 PM	0.0	0.0	0.0
03/16/2023 06:00 PM	0.0	0.0	0.0
03/16/2023 07:00 PM	0.0	0.0	0.0
03/16/2023 08:00 PM	0.0	0.0	0.0
03/16/2023 09:00 PM	0.0	0.0	0.0
03/16/2023 10:00 PM	0.0	0.0	0.0
03/16/2023 11:00 PM	0.0	0.0	0.0
03/17/2023 12:00 AM	0.0	0.0	0.0
03/17/2023 01:00 AM	0.0	0.0	0.0
03/17/2023 02:00 AM	0.0	0.0	0.0
03/17/2023 03:00 AM	0.0	0.0	0.0
03/17/2023 04:00 AM	0.0	0.0	0.0
03/17/2023 05:00 AM	0.0	0.0	0.0
03/17/2023 06:00 AM	0.0	0.0	0.0
03/17/2023 07:00 AM	0.0	0.0	0.0
03/17/2023 08:00 AM	0.0	0.0	0.0
03/17/2023 09:00 AM	0.0	0.0	0.0
03/17/2023 10:00 AM	0.0	0.0	0.0
03/17/2023 11:00 AM	0.0	0.0	0.0
03/17/2023 12:00 PM	0.0	0.0	0.0
03/17/2023 01:00 PM	0.0	0.0	0.0
03/17/2023 02:00 PM	0.0	0.0	0.0
03/17/2023 03:00 PM	0.0	0.0	0.0
03/17/2023 04:00 PM	0.0	0.0	0.0
03/17/2023 05:00 PM	0.0	0.0	0.0
03/17/2023 06:00 PM	0.0	0.0	0.0
03/17/2023 07:00 PM	0.0	0.0	0.0
03/17/2023 08:00 PM	0.0	0.0	0.0
03/17/2023 09:00 PM	0.0	0.0	0.0
03/17/2023 10:00 PM	0.0	0.0	0.0
03/17/2023 11:00 PM	0.0	0.0	0.0
03/18/2023 12:00 AM	0.0	0.0	0.0
03/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/18/2023 02:00 AM	0.0	0.0	0.0
03/18/2023 03:00 AM	0.0	0.0	0.0
03/18/2023 04:00 AM	0.0	0.0	0.0
03/18/2023 05:00 AM	0.0	0.0	0.0
03/18/2023 06:00 AM	0.0	0.0	0.0
03/18/2023 07:00 AM	0.0	0.0	0.0
03/18/2023 08:00 AM	0.0	0.0	0.0
03/18/2023 09:00 AM	0.0	0.0	0.0
03/18/2023 10:00 AM	0.0	0.0	0.0
03/18/2023 11:00 AM	0.0	0.0	0.0
03/18/2023 12:00 PM	0.0	0.0	0.0
03/18/2023 01:00 PM	0.0	0.0	0.0
03/18/2023 02:00 PM	0.0	0.0	0.0
03/18/2023 03:00 PM	0.0	0.0	0.0
03/18/2023 04:00 PM	0.0	0.0	0.0
03/18/2023 05:00 PM	0.0	0.0	0.0
03/18/2023 06:00 PM	0.0	0.0	0.0
03/18/2023 07:00 PM	0.0	0.0	0.0
03/18/2023 08:00 PM	0.0	0.0	0.0
03/18/2023 09:00 PM	0.0	0.0	0.0
03/18/2023 10:00 PM	0.0	0.0	0.0
03/18/2023 11:00 PM	0.0	0.0	0.0
03/19/2023 12:00 AM	0.0	0.0	0.0
03/19/2023 01:00 AM	0.0	0.0	0.0
03/19/2023 02:00 AM	0.0	0.0	0.0
03/19/2023 03:00 AM	0.0	0.0	0.0
03/19/2023 04:00 AM	0.0	0.0	0.0
03/19/2023 05:00 AM	0.0	0.0	0.0
03/19/2023 06:00 AM	0.0	0.0	0.0
03/19/2023 07:00 AM	0.0	0.0	0.0
03/19/2023 08:00 AM	0.0	0.0	0.0
03/19/2023 09:00 AM	0.0	0.0	0.0
03/19/2023 10:00 AM	0.0	0.0	0.0
03/19/2023 11:00 AM	0.0	0.0	0.0
03/19/2023 12:00 PM	0.0	0.0	0.0
03/19/2023 01:00 PM	0.0	0.0	0.0
03/19/2023 02:00 PM	0.0	0.0	0.0
03/19/2023 03:00 PM	0.0	0.0	0.0
03/19/2023 04:00 PM	0.0	0.0	0.0
03/19/2023 05:00 PM	0.0	0.0	0.0
03/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/19/2023 07:00 PM	0.0	0.0	0.0
03/19/2023 08:00 PM	0.0	0.0	0.0
03/19/2023 09:00 PM	0.0	0.0	0.0
03/19/2023 10:00 PM	0.0	0.0	0.0
03/19/2023 11:00 PM	0.0	0.0	0.0
03/20/2023 12:00 AM	0.0	0.0	0.0
03/20/2023 01:00 AM	0.0	0.0	0.0
03/20/2023 02:00 AM	0.0	0.0	0.0
03/20/2023 03:00 AM	0.0	0.0	0.0
03/20/2023 04:00 AM	0.0	0.0	0.0
03/20/2023 05:00 AM	0.0	0.0	0.0
03/20/2023 06:00 AM	0.0	0.0	0.0
03/20/2023 07:00 AM	0.0	0.0	0.0
03/20/2023 08:00 AM	0.0	0.0	0.0
03/20/2023 09:00 AM	0.0	0.0	0.0
03/20/2023 10:00 AM	0.0	0.0	0.0
03/20/2023 11:00 AM	0.0	0.0	0.0
03/20/2023 12:00 PM	0.0	0.0	0.0
03/20/2023 01:00 PM	0.0	0.0	0.0
03/20/2023 02:00 PM	0.0	0.0	0.0
03/20/2023 03:00 PM	0.0	0.0	0.0
03/20/2023 04:00 PM	0.0	0.0	0.0
03/20/2023 05:00 PM	0.0	0.0	0.0
03/20/2023 06:00 PM	0.0	0.0	0.0
03/20/2023 07:00 PM	0.0	0.0	0.0
03/20/2023 08:00 PM	0.0	0.0	0.0
03/20/2023 09:00 PM	0.0	0.0	0.0
03/20/2023 10:00 PM	0.0	0.0	0.0
03/20/2023 11:00 PM	0.0	0.0	0.0
03/21/2023 12:00 AM	0.0	0.0	0.0
03/21/2023 01:00 AM	0.0	0.0	0.0
03/21/2023 02:00 AM	0.0	0.0	0.0
03/21/2023 03:00 AM	0.0	0.0	0.0
03/21/2023 04:00 AM	0.0	0.0	0.0
03/21/2023 05:00 AM	0.0	0.0	0.0
03/21/2023 06:00 AM	0.0	0.0	0.0
03/21/2023 07:00 AM	0.0	0.0	0.0
03/21/2023 08:00 AM	0.0	0.0	0.0
03/21/2023 09:00 AM	1,998.1	0.0	1,877.8
03/21/2023 10:00 AM	1,979.1	1,848.7	1,905.4
03/21/2023 11:00 AM	1,848.7	1,806.4	1,827.2

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/21/2023 12:00 PM	1,806.4	1,763.0	1,786.7
03/21/2023 01:00 PM	1,763.0	1,718.3	1,743.4
03/21/2023 02:00 PM	1,723.1	1,666.9	1,695.0
03/21/2023 03:00 PM	1,666.9	0.0	111.1
03/21/2023 04:00 PM	0.0	0.0	0.0
03/21/2023 05:00 PM	0.0	0.0	0.0
03/21/2023 06:00 PM	0.0	0.0	0.0
03/21/2023 07:00 PM	0.0	0.0	0.0
03/21/2023 08:00 PM	0.0	0.0	0.0
03/21/2023 09:00 PM	0.0	0.0	0.0
03/21/2023 10:00 PM	0.0	0.0	0.0
03/21/2023 11:00 PM	0.0	0.0	0.0
03/22/2023 12:00 AM	0.0	0.0	0.0
03/22/2023 01:00 AM	0.0	0.0	0.0
03/22/2023 02:00 AM	0.0	0.0	0.0
03/22/2023 03:00 AM	0.0	0.0	0.0
03/22/2023 04:00 AM	0.0	0.0	0.0
03/22/2023 05:00 AM	0.0	0.0	0.0
03/22/2023 06:00 AM	0.0	0.0	0.0
03/22/2023 07:00 AM	0.0	0.0	0.0
03/22/2023 08:00 AM	0.0	0.0	0.0
03/22/2023 09:00 AM	0.0	0.0	0.0
03/22/2023 10:00 AM	0.0	0.0	0.0
03/22/2023 11:00 AM	0.0	0.0	0.0
03/22/2023 12:00 PM	0.0	0.0	0.0
03/22/2023 01:00 PM	0.0	0.0	0.0
03/22/2023 02:00 PM	0.0	0.0	0.0
03/22/2023 03:00 PM	0.0	0.0	0.0
03/22/2023 04:00 PM	0.0	0.0	0.0
03/22/2023 05:00 PM	0.0	0.0	0.0
03/22/2023 06:00 PM	0.0	0.0	0.0
03/22/2023 07:00 PM	0.0	0.0	0.0
03/22/2023 08:00 PM	0.0	0.0	0.0
03/22/2023 09:00 PM	0.0	0.0	0.0
03/22/2023 10:00 PM	0.0	0.0	0.0
03/22/2023 11:00 PM	0.0	0.0	0.0
03/23/2023 12:00 AM	0.0	0.0	0.0
03/23/2023 01:00 AM	0.0	0.0	0.0
03/23/2023 02:00 AM	0.0	0.0	0.0
03/23/2023 03:00 AM	0.0	0.0	0.0
03/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/23/2023 05:00 AM	0.0	0.0	0.0
03/23/2023 06:00 AM	0.0	0.0	0.0
03/23/2023 07:00 AM	0.0	0.0	0.0
03/23/2023 08:00 AM	0.0	0.0	0.0
03/23/2023 09:00 AM	0.0	0.0	0.0
03/23/2023 10:00 AM	1,904.0	0.0	1,389.4
03/23/2023 11:00 AM	1,805.2	1,730.6	1,753.4
03/23/2023 12:00 PM	1,734.3	1,622.8	1,665.4
03/23/2023 01:00 PM	1,632.5	1,570.5	1,600.3
03/23/2023 02:00 PM	1,582.8	1,538.1	1,562.5
03/23/2023 03:00 PM	1,542.7	0.0	77.1
03/23/2023 04:00 PM	0.0	0.0	0.0
03/23/2023 05:00 PM	0.0	0.0	0.0
03/23/2023 06:00 PM	0.0	0.0	0.0
03/23/2023 07:00 PM	0.0	0.0	0.0
03/23/2023 08:00 PM	0.0	0.0	0.0
03/23/2023 09:00 PM	0.0	0.0	0.0
03/23/2023 10:00 PM	0.0	0.0	0.0
03/23/2023 11:00 PM	0.0	0.0	0.0
03/24/2023 12:00 AM	0.0	0.0	0.0
03/24/2023 01:00 AM	0.0	0.0	0.0
03/24/2023 02:00 AM	0.0	0.0	0.0
03/24/2023 03:00 AM	0.0	0.0	0.0
03/24/2023 04:00 AM	0.0	0.0	0.0
03/24/2023 05:00 AM	0.0	0.0	0.0
03/24/2023 06:00 AM	0.0	0.0	0.0
03/24/2023 07:00 AM	0.0	0.0	0.0
03/24/2023 08:00 AM	0.0	0.0	0.0
03/24/2023 09:00 AM	0.0	0.0	0.0
03/24/2023 10:00 AM	0.0	0.0	0.0
03/24/2023 11:00 AM	0.0	0.0	0.0
03/24/2023 12:00 PM	0.0	0.0	0.0
03/24/2023 01:00 PM	0.0	0.0	0.0
03/24/2023 02:00 PM	0.0	0.0	0.0
03/24/2023 03:00 PM	0.0	0.0	0.0
03/24/2023 04:00 PM	0.0	0.0	0.0
03/24/2023 05:00 PM	0.0	0.0	0.0
03/24/2023 06:00 PM	0.0	0.0	0.0
03/24/2023 07:00 PM	0.0	0.0	0.0
03/24/2023 08:00 PM	0.0	0.0	0.0
03/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/24/2023 10:00 PM	0.0	0.0	0.0
03/24/2023 11:00 PM	0.0	0.0	0.0
03/25/2023 12:00 AM	0.0	0.0	0.0
03/25/2023 01:00 AM	0.0	0.0	0.0
03/25/2023 02:00 AM	0.0	0.0	0.0
03/25/2023 03:00 AM	0.0	0.0	0.0
03/25/2023 04:00 AM	0.0	0.0	0.0
03/25/2023 05:00 AM	0.0	0.0	0.0
03/25/2023 06:00 AM	0.0	0.0	0.0
03/25/2023 07:00 AM	0.0	0.0	0.0
03/25/2023 08:00 AM	0.0	0.0	0.0
03/25/2023 09:00 AM	0.0	0.0	0.0
03/25/2023 10:00 AM	0.0	0.0	0.0
03/25/2023 11:00 AM	0.0	0.0	0.0
03/25/2023 12:00 PM	0.0	0.0	0.0
03/25/2023 01:00 PM	0.0	0.0	0.0
03/25/2023 02:00 PM	0.0	0.0	0.0
03/25/2023 03:00 PM	0.0	0.0	0.0
03/25/2023 04:00 PM	0.0	0.0	0.0
03/25/2023 05:00 PM	0.0	0.0	0.0
03/25/2023 06:00 PM	0.0	0.0	0.0
03/25/2023 07:00 PM	0.0	0.0	0.0
03/25/2023 08:00 PM	0.0	0.0	0.0
03/25/2023 09:00 PM	0.0	0.0	0.0
03/25/2023 10:00 PM	0.0	0.0	0.0
03/25/2023 11:00 PM	0.0	0.0	0.0
03/26/2023 12:00 AM	0.0	0.0	0.0
03/26/2023 01:00 AM	0.0	0.0	0.0
03/26/2023 02:00 AM	0.0	0.0	0.0
03/26/2023 03:00 AM	0.0	0.0	0.0
03/26/2023 04:00 AM	0.0	0.0	0.0
03/26/2023 05:00 AM	0.0	0.0	0.0
03/26/2023 06:00 AM	0.0	0.0	0.0
03/26/2023 07:00 AM	0.0	0.0	0.0
03/26/2023 08:00 AM	0.0	0.0	0.0
03/26/2023 09:00 AM	0.0	0.0	0.0
03/26/2023 10:00 AM	0.0	0.0	0.0
03/26/2023 11:00 AM	0.0	0.0	0.0
03/26/2023 12:00 PM	0.0	0.0	0.0
03/26/2023 01:00 PM	0.0	0.0	0.0
03/26/2023 02:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/26/2023 03:00 PM	0.0	0.0	0.0
03/26/2023 04:00 PM	0.0	0.0	0.0
03/26/2023 05:00 PM	0.0	0.0	0.0
03/26/2023 06:00 PM	0.0	0.0	0.0
03/26/2023 07:00 PM	0.0	0.0	0.0
03/26/2023 08:00 PM	0.0	0.0	0.0
03/26/2023 09:00 PM	0.0	0.0	0.0
03/26/2023 10:00 PM	0.0	0.0	0.0
03/26/2023 11:00 PM	0.0	0.0	0.0
03/27/2023 12:00 AM	0.0	0.0	0.0
03/27/2023 01:00 AM	0.0	0.0	0.0
03/27/2023 02:00 AM	0.0	0.0	0.0
03/27/2023 03:00 AM	0.0	0.0	0.0
03/27/2023 04:00 AM	0.0	0.0	0.0
03/27/2023 05:00 AM	0.0	0.0	0.0
03/27/2023 06:00 AM	0.0	0.0	0.0
03/27/2023 07:00 AM	0.0	0.0	0.0
03/27/2023 08:00 AM	0.0	0.0	0.0
03/27/2023 09:00 AM	0.0	0.0	0.0
03/27/2023 10:00 AM	0.0	0.0	0.0
03/27/2023 11:00 AM	0.0	0.0	0.0
03/27/2023 12:00 PM	0.0	0.0	0.0
03/27/2023 01:00 PM	0.0	0.0	0.0
03/27/2023 02:00 PM	0.0	0.0	0.0
03/27/2023 03:00 PM	0.0	0.0	0.0
03/27/2023 04:00 PM	0.0	0.0	0.0
03/27/2023 05:00 PM	0.0	0.0	0.0
03/27/2023 06:00 PM	0.0	0.0	0.0
03/27/2023 07:00 PM	0.0	0.0	0.0
03/27/2023 08:00 PM	0.0	0.0	0.0
03/27/2023 09:00 PM	0.0	0.0	0.0
03/27/2023 10:00 PM	0.0	0.0	0.0
03/27/2023 11:00 PM	0.0	0.0	0.0
03/28/2023 12:00 AM	0.0	0.0	0.0
03/28/2023 01:00 AM	0.0	0.0	0.0
03/28/2023 02:00 AM	0.0	0.0	0.0
03/28/2023 03:00 AM	0.0	0.0	0.0
03/28/2023 04:00 AM	0.0	0.0	0.0
03/28/2023 05:00 AM	0.0	0.0	0.0
03/28/2023 06:00 AM	0.0	0.0	0.0
03/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/28/2023 08:00 AM	0.0	0.0	0.0
03/28/2023 09:00 AM	1,999.3	0.0	1,882.8
03/28/2023 10:00 AM	1,979.6	1,849.6	1,909.8
03/28/2023 11:00 AM	1,851.9	1,781.0	1,816.1
03/28/2023 12:00 PM	1,781.2	1,731.8	1,755.3
03/28/2023 01:00 PM	1,735.0	1,695.7	1,714.5
03/28/2023 02:00 PM	1,702.6	1,654.1	1,685.3
03/28/2023 03:00 PM	1,658.3	0.0	137.6
03/28/2023 04:00 PM	0.0	0.0	0.0
03/28/2023 05:00 PM	0.0	0.0	0.0
03/28/2023 06:00 PM	0.0	0.0	0.0
03/28/2023 07:00 PM	0.0	0.0	0.0
03/28/2023 08:00 PM	0.0	0.0	0.0
03/28/2023 09:00 PM	0.0	0.0	0.0
03/28/2023 10:00 PM	0.0	0.0	0.0
03/28/2023 11:00 PM	0.0	0.0	0.0
03/29/2023 12:00 AM	0.0	0.0	0.0
03/29/2023 01:00 AM	0.0	0.0	0.0
03/29/2023 02:00 AM	0.0	0.0	0.0
03/29/2023 03:00 AM	0.0	0.0	0.0
03/29/2023 04:00 AM	0.0	0.0	0.0
03/29/2023 05:00 AM	0.0	0.0	0.0
03/29/2023 06:00 AM	0.0	0.0	0.0
03/29/2023 07:00 AM	0.0	0.0	0.0
03/29/2023 08:00 AM	0.0	0.0	0.0
03/29/2023 09:00 AM	0.0	0.0	0.0
03/29/2023 10:00 AM	0.0	0.0	0.0
03/29/2023 11:00 AM	0.0	0.0	0.0
03/29/2023 12:00 PM	0.0	0.0	0.0
03/29/2023 01:00 PM	0.0	0.0	0.0
03/29/2023 02:00 PM	0.0	0.0	0.0
03/29/2023 03:00 PM	0.0	0.0	0.0
03/29/2023 04:00 PM	0.0	0.0	0.0
03/29/2023 05:00 PM	0.0	0.0	0.0
03/29/2023 06:00 PM	0.0	0.0	0.0
03/29/2023 07:00 PM	0.0	0.0	0.0
03/29/2023 08:00 PM	0.0	0.0	0.0
03/29/2023 09:00 PM	0.0	0.0	0.0
03/29/2023 10:00 PM	0.0	0.0	0.0
03/29/2023 11:00 PM	0.0	0.0	0.0
03/30/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/30/2023 01:00 AM	0.0	0.0	0.0
03/30/2023 02:00 AM	0.0	0.0	0.0
03/30/2023 03:00 AM	0.0	0.0	0.0
03/30/2023 04:00 AM	0.0	0.0	0.0
03/30/2023 05:00 AM	0.0	0.0	0.0
03/30/2023 06:00 AM	0.0	0.0	0.0
03/30/2023 07:00 AM	0.0	0.0	0.0
03/30/2023 08:00 AM	0.0	0.0	0.0
03/30/2023 09:00 AM	1,923.4	0.0	1,786.5
03/30/2023 10:00 AM	1,846.9	1,747.0	1,793.7
03/30/2023 11:00 AM	1,750.2	1,644.9	1,691.4
03/30/2023 12:00 PM	1,644.9	1,589.7	1,618.5
03/30/2023 01:00 PM	1,592.2	1,523.3	1,564.7
03/30/2023 02:00 PM	1,523.3	1,495.7	1,508.5
03/30/2023 03:00 PM	1,495.7	0.0	99.8
03/30/2023 04:00 PM	0.0	0.0	0.0
03/30/2023 05:00 PM	0.0	0.0	0.0
03/30/2023 06:00 PM	0.0	0.0	0.0
03/30/2023 07:00 PM	0.0	0.0	0.0
03/30/2023 08:00 PM	0.0	0.0	0.0
03/30/2023 09:00 PM	0.0	0.0	0.0
03/30/2023 10:00 PM	0.0	0.0	0.0
03/30/2023 11:00 PM	0.0	0.0	0.0
03/31/2023 12:00 AM	0.0	0.0	0.0
03/31/2023 01:00 AM	0.0	0.0	0.0
03/31/2023 02:00 AM	0.0	0.0	0.0
03/31/2023 03:00 AM	0.0	0.0	0.0
03/31/2023 04:00 AM	0.0	0.0	0.0
03/31/2023 05:00 AM	0.0	0.0	0.0
03/31/2023 06:00 AM	0.0	0.0	0.0
03/31/2023 07:00 AM	0.0	0.0	0.0
03/31/2023 08:00 AM	0.0	0.0	0.0
03/31/2023 09:00 AM	0.0	0.0	0.0
03/31/2023 10:00 AM	0.0	0.0	0.0
03/31/2023 11:00 AM	0.0	0.0	0.0
03/31/2023 12:00 PM	0.0	0.0	0.0
03/31/2023 01:00 PM	0.0	0.0	0.0
03/31/2023 02:00 PM	0.0	0.0	0.0
03/31/2023 03:00 PM	0.0	0.0	0.0
03/31/2023 04:00 PM	0.0	0.0	0.0
03/31/2023 05:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
March 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
03/31/2023 06:00 PM	0.0	0.0	0.0
03/31/2023 07:00 PM	0.0	0.0	0.0
03/31/2023 08:00 PM	0.0	0.0	0.0
03/31/2023 09:00 PM	0.0	0.0	0.0
03/31/2023 10:00 PM	0.0	0.0	0.0
03/31/2023 11:00 PM	0.0	0.0	0.0

May 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
May 2023

Date	Raw Water	Finished Water
05/01/2023	349,555	338,642
05/02/2023	380,596	374,045
05/03/2023	334,753	332,676
05/04/2023	341,416	343,454
05/05/2023	347,240	331,341
05/06/2023	348,524	344,071
05/07/2023	337,840	336,077
05/08/2023	349,264	333,595
05/09/2023	384,617	383,636
05/10/2023	348,042	334,788
05/11/2023	346,111	338,298
05/12/2023	351,059	343,988
05/13/2023	341,718	339,987
05/14/2023	342,565	332,518
05/15/2023	348,221	337,700
05/16/2023	383,903	384,324
05/17/2023	343,154	334,626
05/18/2023	346,960	333,713
05/19/2023	350,960	343,224
05/20/2023	336,584	336,662
05/21/2023	352,260	335,900
05/22/2023	338,639	340,347
05/23/2023	396,351	378,643
05/24/2023	337,096	336,475
05/25/2023	351,176	336,201
05/26/2023	347,803	339,883
05/27/2023	346,922	340,268
05/28/2023	337,149	337,569
05/29/2023	350,432	334,884
05/30/2023	385,043	384,572
05/31/2023	347,202	331,336
Totals:	**10,903,153**	**10,673,443**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
May 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
05/01/2023	7.1	7.8	7.8	8.3
05/02/2023	8.6	7.6	7.2	10.5
05/03/2023	7.5	6.8	7.1	8.7
05/04/2023	7.7	6.8	7.9	8.4
05/05/2023	7.4	7.4	7.1	8.6
05/06/2023	7.7	7.2	7.3	9.1
05/07/2023	7.3	7.1	7.2	8.8
05/08/2023	8.2	6.7	7.3	8.6
05/09/2023	8.0	8.4	8.8	9.3
05/10/2023	7.7	7.2	7.2	8.7
05/11/2023	8.0	6.8	7.4	8.7
05/12/2023	7.4	7.6	7.8	8.6
05/13/2023	6.8	7.8	7.6	8.6
05/14/2023	7.4	7.2	7.2	8.6
05/15/2023	7.7	7.2	7.1	9.0
05/16/2023	7.4	9.0	7.5	10.7
05/17/2023	7.3	7.4	7.3	8.6
05/18/2023	7.4	7.4	7.3	8.6
05/19/2023	7.1	7.9	7.1	9.2
05/20/2023	6.3	8.0	7.0	9.0
05/21/2023	8.8	6.2	7.6	8.3
05/22/2023	6.8	7.7	7.7	8.4
05/23/2023	8.9	8.1	7.1	10.9
05/24/2023	7.6	6.7	7.5	8.5
05/25/2023	7.6	7.4	7.3	8.7
05/26/2023	6.4	8.4	7.4	8.7
05/27/2023	7.9	6.9	7.3	8.9
05/28/2023	6.9	7.5	7.1	9.0
05/29/2023	7.3	7.6	7.3	8.6
05/30/2023	9.0	7.4	8.3	9.9
05/31/2023	8.1	6.7	7.2	8.6
Totals:	**235.5**	**229.9**	**230.0**	**277.2**
	465.4		**507.2**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
May 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
05/01/2023	0.0	15.0	0.0	16.1
05/02/2023	0.0	16.3	0.0	17.8
05/03/2023	0.0	14.4	0.0	15.8
05/04/2023	0.0	14.6	0.0	16.3
05/05/2023	0.0	14.9	0.0	15.8
05/06/2023	0.0	15.0	0.0	16.4
05/07/2023	0.0	14.5	0.0	16.1
05/08/2023	0.0	15.0	0.0	15.9
05/09/2023	0.0	16.5	0.0	18.2
05/10/2023	0.0	14.9	0.0	16.0
05/11/2023	0.0	14.9	0.0	16.1
05/12/2023	0.0	15.1	0.0	16.4
05/13/2023	0.0	14.7	0.0	16.2
05/14/2023	0.0	14.7	0.0	15.8
05/15/2023	0.0	14.9	0.0	16.1
05/16/2023	0.0	16.5	0.0	18.3
05/17/2023	0.0	14.7	0.2	15.8
05/18/2023	0.0	14.9	0.0	15.9
05/19/2023	0.0	15.1	0.0	16.4
05/20/2023	0.0	14.4	0.0	16.1
05/21/2023	0.0	15.1	0.0	16.0
05/22/2023	0.0	14.5	0.0	16.2
05/23/2023	0.0	17.0	0.0	18.0
05/24/2023	0.0	14.5	0.0	16.0
05/25/2023	0.0	15.1	0.0	16.0
05/26/2023	0.0	14.9	0.0	16.2
05/27/2023	0.0	14.9	0.0	16.2
05/28/2023	0.0	14.5	0.0	16.1
05/29/2023	0.0	15.0	0.0	16.0
05/30/2023	0.0	16.5	0.0	18.3
05/31/2023	0.0	14.9	0.0	15.8
Totals:	**0.0**	**467.7**	**0.2**	**508.5**
	467.7		**508.7**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
May 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
05/01/2023	0.0	0	24.0	336,002
05/02/2023	8.0	40,623	24.0	339,098
05/03/2023	0.0	0	24.0	339,064
05/04/2023	0.0	0	24.0	339,019
05/05/2023	0.0	0	24.0	339,078
05/06/2023	0.0	0	24.0	339,115
05/07/2023	0.0	0	24.0	339,173
05/08/2023	0.0	0	24.0	339,191
05/09/2023	8.0	40,687	24.0	339,183
05/10/2023	0.0	0	24.0	339,151
05/11/2023	0.0	0	24.0	339,150
05/12/2023	0.0	0	24.0	339,204
05/13/2023	0.0	0	24.0	339,075
05/14/2023	0.0	0	24.0	338,905
05/15/2023	0.0	0	24.0	338,911
05/16/2023	8.0	40,595	24.0	338,929
05/17/2023	0.0	0	24.0	338,907
05/18/2023	0.0	0	24.0	338,894
05/19/2023	0.0	0	24.0	338,940
05/20/2023	0.0	0	24.0	338,887
05/21/2023	0.0	0	24.0	338,750
05/22/2023	0.0	0	24.0	338,871
05/23/2023	8.0	40,827	24.0	339,065
05/24/2023	0.0	0	24.0	339,168
05/25/2023	0.0	0	24.0	339,182
05/26/2023	0.0	0	24.0	339,150
05/27/2023	0.0	0	24.0	339,241
05/28/2023	0.0	0	24.0	339,208
05/29/2023	0.0	0	24.0	339,206
05/30/2023	8.0	40,535	24.0	339,242
05/31/2023	0.0	0	24.0	339,232
Totals:	**40.0**	**203,267**	**744.0**	**10,508,189**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/01/2023 12:00 AM	0.0	198.1	276.8	222.4
05/01/2023 01:00 AM	0.0	198.1	276.8	222.4
05/01/2023 02:00 AM	0.0	198.1	276.8	222.4
05/01/2023 03:00 AM	0.0	198.1	276.8	222.4
05/01/2023 04:00 AM	0.0	198.1	276.8	222.4
05/01/2023 05:00 AM	0.0	198.1	276.8	222.4
05/01/2023 06:00 AM	0.0	198.1	276.8	222.4
05/01/2023 07:00 AM	0.0	198.1	276.8	222.4
05/01/2023 08:00 AM	0.0	198.1	276.8	222.4
05/01/2023 09:00 AM	0.0	198.1	276.9	222.4
05/01/2023 10:00 AM	0.0	198.2	277.5	222.4
05/01/2023 11:00 AM	0.0	198.2	278.4	222.4
05/01/2023 12:00 PM	0.0	198.2	278.5	222.4
05/01/2023 01:00 PM	0.0	198.2	278.5	222.4
05/01/2023 02:00 PM	0.0	198.2	278.5	222.4
05/01/2023 03:00 PM	0.0	198.1	278.5	222.4
05/01/2023 04:00 PM	0.0	198.1	278.5	222.4
05/01/2023 05:00 PM	0.0	198.1	278.5	222.4
05/01/2023 06:00 PM	0.0	198.1	278.6	222.4
05/01/2023 07:00 PM	0.0	198.2	278.5	222.4
05/01/2023 08:00 PM	0.0	198.2	278.5	222.4
05/01/2023 09:00 PM	0.0	198.2	278.5	222.4
05/01/2023 10:00 PM	0.0	198.2	278.6	222.4
05/01/2023 11:00 PM	0.0	198.2	278.6	222.4
05/02/2023 12:00 AM	0.0	198.3	278.6	222.4
05/02/2023 01:00 AM	0.0	198.3	278.6	222.4
05/02/2023 02:00 AM	0.0	198.3	278.6	222.4
05/02/2023 03:00 AM	0.0	198.4	278.6	222.4
05/02/2023 04:00 AM	0.0	198.4	278.7	222.4
05/02/2023 05:00 AM	0.0	198.5	278.7	222.4
05/02/2023 06:00 AM	0.0	198.5	278.7	222.4
05/02/2023 07:00 AM	195.5	198.5	278.7	222.4
05/02/2023 08:00 AM	206.4	198.5	278.9	222.4
05/02/2023 09:00 AM	206.6	198.5	279.0	222.4
05/02/2023 10:00 AM	206.7	198.5	279.2	222.4
05/02/2023 11:00 AM	206.8	198.5	279.2	222.4
05/02/2023 12:00 PM	206.8	198.5	279.3	222.4
05/02/2023 01:00 PM	206.8	198.5	279.3	222.4
05/02/2023 02:00 PM	206.9	198.5	279.4	222.4
05/02/2023 03:00 PM	106.9	198.9	279.4	222.4
05/02/2023 04:00 PM	0.0	199.2	279.3	222.4
05/02/2023 05:00 PM	0.0	199.0	279.2	222.4
05/02/2023 06:00 PM	0.0	198.9	279.1	222.4
05/02/2023 07:00 PM	0.0	198.9	279.0	222.4
05/02/2023 08:00 PM	0.0	198.8	279.0	222.4
05/02/2023 09:00 PM	0.0	198.7	279.0	222.4
05/02/2023 10:00 PM	0.0	198.7	279.0	222.4
05/02/2023 11:00 PM	0.0	198.7	279.0	222.4
05/03/2023 12:00 AM	0.0	198.7	278.9	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/03/2023 01:00 AM	0.0	198.7	279.0	222.4
05/03/2023 02:00 AM	0.0	198.8	279.0	222.4
05/03/2023 03:00 AM	0.0	198.8	279.0	222.4
05/03/2023 04:00 AM	0.0	198.9	279.0	222.4
05/03/2023 05:00 AM	0.0	198.9	279.0	222.4
05/03/2023 06:00 AM	0.0	198.9	279.1	222.4
05/03/2023 07:00 AM	0.0	198.9	279.1	222.4
05/03/2023 08:00 AM	0.0	198.9	279.1	222.4
05/03/2023 09:00 AM	0.0	198.9	279.1	222.4
05/03/2023 10:00 AM	0.0	198.9	279.1	222.4
05/03/2023 11:00 AM	0.0	199.0	279.1	222.4
05/03/2023 12:00 PM	0.0	199.0	279.1	222.4
05/03/2023 01:00 PM	0.0	199.0	279.0	222.4
05/03/2023 02:00 PM	0.0	199.0	279.0	222.4
05/03/2023 03:00 PM	0.0	199.0	279.0	222.4
05/03/2023 04:00 PM	0.0	199.0	278.9	222.4
05/03/2023 05:00 PM	0.0	199.0	278.9	222.4
05/03/2023 06:00 PM	0.0	198.8	278.9	222.4
05/03/2023 07:00 PM	0.0	198.6	278.9	222.4
05/03/2023 08:00 PM	0.0	198.6	278.9	222.4
05/03/2023 09:00 PM	0.0	198.6	278.9	222.4
05/03/2023 10:00 PM	0.0	198.6	278.9	222.4
05/03/2023 11:00 PM	0.0	198.6	278.9	222.4
05/04/2023 12:00 AM	0.0	198.6	278.9	222.4
05/04/2023 01:00 AM	0.0	198.7	279.0	222.4
05/04/2023 02:00 AM	0.0	198.7	278.9	222.4
05/04/2023 03:00 AM	0.0	198.8	279.0	222.4
05/04/2023 04:00 AM	0.0	198.8	279.0	222.4
05/04/2023 05:00 AM	0.0	198.8	279.0	222.4
05/04/2023 06:00 AM	0.0	198.8	279.0	222.4
05/04/2023 07:00 AM	0.0	198.8	279.0	222.4
05/04/2023 08:00 AM	0.0	198.8	279.1	222.4
05/04/2023 09:00 AM	0.0	198.8	279.0	222.4
05/04/2023 10:00 AM	0.0	198.8	279.0	222.4
05/04/2023 11:00 AM	0.0	198.8	279.0	222.4
05/04/2023 12:00 PM	0.0	198.8	279.0	222.4
05/04/2023 01:00 PM	0.0	198.8	279.0	222.4
05/04/2023 02:00 PM	0.0	198.8	279.0	222.4
05/04/2023 03:00 PM	0.0	198.7	279.0	222.4
05/04/2023 04:00 PM	0.0	198.7	279.0	222.4
05/04/2023 05:00 PM	0.0	198.6	279.0	222.4
05/04/2023 06:00 PM	0.0	198.6	278.9	222.4
05/04/2023 07:00 PM	0.0	198.6	278.9	222.4
05/04/2023 08:00 PM	0.0	198.6	278.9	222.4
05/04/2023 09:00 PM	0.0	198.6	279.0	222.4
05/04/2023 10:00 PM	0.0	198.6	279.0	222.4
05/04/2023 11:00 PM	0.0	198.7	279.0	222.4
05/05/2023 12:00 AM	0.0	198.7	279.0	222.4
05/05/2023 01:00 AM	0.0	198.8	279.0	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/05/2023 02:00 AM	0.0	198.8	279.1	222.4
05/05/2023 03:00 AM	0.0	198.9	279.1	222.4
05/05/2023 04:00 AM	0.0	198.9	279.2	222.4
05/05/2023 05:00 AM	0.0	199.0	279.1	222.4
05/05/2023 06:00 AM	0.0	199.0	279.2	222.4
05/05/2023 07:00 AM	0.0	199.1	279.3	222.4
05/05/2023 08:00 AM	0.0	199.1	279.3	222.4
05/05/2023 09:00 AM	0.0	199.1	279.3	222.4
05/05/2023 10:00 AM	0.0	199.1	279.3	222.4
05/05/2023 11:00 AM	0.0	199.1	279.3	222.4
05/05/2023 12:00 PM	0.0	199.1	279.3	222.4
05/05/2023 01:00 PM	0.0	199.0	279.3	222.4
05/05/2023 02:00 PM	0.0	199.0	279.3	222.4
05/05/2023 03:00 PM	0.0	198.9	279.3	222.4
05/05/2023 04:00 PM	0.0	198.9	279.2	222.4
05/05/2023 05:00 PM	0.0	198.8	279.2	222.4
05/05/2023 06:00 PM	0.0	198.8	279.2	222.4
05/05/2023 07:00 PM	0.0	198.8	279.2	222.4
05/05/2023 08:00 PM	0.0	198.8	279.1	222.4
05/05/2023 09:00 PM	0.0	198.8	279.1	222.4
05/05/2023 10:00 PM	0.0	198.8	279.1	222.4
05/05/2023 11:00 PM	0.0	198.8	279.2	222.4
05/06/2023 12:00 AM	0.0	198.8	279.2	222.4
05/06/2023 01:00 AM	0.0	198.8	279.2	222.4
05/06/2023 02:00 AM	0.0	198.8	279.2	222.4
05/06/2023 03:00 AM	0.0	198.8	279.2	222.4
05/06/2023 04:00 AM	0.0	198.7	279.1	222.4
05/06/2023 05:00 AM	0.0	198.7	279.1	222.4
05/06/2023 06:00 AM	0.0	198.7	279.1	222.4
05/06/2023 07:00 AM	0.0	198.7	279.2	222.4
05/06/2023 08:00 AM	0.0	198.7	279.2	222.4
05/06/2023 09:00 AM	0.0	198.7	279.2	222.4
05/06/2023 10:00 AM	0.0	198.8	279.2	222.4
05/06/2023 11:00 AM	0.0	198.8	279.2	222.4
05/06/2023 12:00 PM	0.0	198.8	279.2	222.4
05/06/2023 01:00 PM	0.0	198.8	279.2	222.4
05/06/2023 02:00 PM	0.0	198.7	279.2	222.4
05/06/2023 03:00 PM	0.0	198.7	279.2	222.4
05/06/2023 04:00 PM	0.0	198.7	279.2	222.4
05/06/2023 05:00 PM	0.0	198.7	279.2	222.4
05/06/2023 06:00 PM	0.0	198.6	279.2	222.4
05/06/2023 07:00 PM	0.0	198.6	279.2	222.4
05/06/2023 08:00 PM	0.0	198.6	279.1	222.4
05/06/2023 09:00 PM	0.0	198.6	279.1	222.4
05/06/2023 10:00 PM	0.0	198.6	279.1	222.4
05/06/2023 11:00 PM	0.0	198.6	279.2	222.4
05/07/2023 12:00 AM	0.0	198.6	279.2	222.4
05/07/2023 01:00 AM	0.0	198.6	279.1	222.4
05/07/2023 02:00 AM	0.0	198.6	279.1	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/07/2023 03:00 AM	0.0	198.6	279.2	222.4
05/07/2023 04:00 AM	0.0	198.6	279.2	222.4
05/07/2023 05:00 AM	0.0	198.6	279.1	222.4
05/07/2023 06:00 AM	0.0	198.6	279.1	222.4
05/07/2023 07:00 AM	0.0	198.7	279.2	222.4
05/07/2023 08:00 AM	0.0	198.7	279.2	222.4
05/07/2023 09:00 AM	0.0	198.7	279.2	222.4
05/07/2023 10:00 AM	0.0	198.7	279.3	222.4
05/07/2023 11:00 AM	0.0	198.7	279.2	222.4
05/07/2023 12:00 PM	0.0	198.7	279.2	222.4
05/07/2023 01:00 PM	0.0	198.7	279.2	222.4
05/07/2023 02:00 PM	0.0	198.7	279.3	222.4
05/07/2023 03:00 PM	0.0	198.7	279.3	222.4
05/07/2023 04:00 PM	0.0	198.6	279.3	222.4
05/07/2023 05:00 PM	0.0	198.6	279.2	222.4
05/07/2023 06:00 PM	0.0	198.6	279.2	222.4
05/07/2023 07:00 PM	0.0	198.6	279.1	222.4
05/07/2023 08:00 PM	0.0	198.5	279.1	222.4
05/07/2023 09:00 PM	0.0	198.5	279.1	222.4
05/07/2023 10:00 PM	0.0	198.5	279.2	222.4
05/07/2023 11:00 PM	0.0	198.6	279.1	222.4
05/08/2023 12:00 AM	0.0	198.6	279.1	222.4
05/08/2023 01:00 AM	0.0	198.7	279.2	222.4
05/08/2023 02:00 AM	0.0	198.7	279.2	222.4
05/08/2023 03:00 AM	0.0	198.8	279.2	222.4
05/08/2023 04:00 AM	0.0	198.9	279.3	222.4
05/08/2023 05:00 AM	0.0	198.9	279.3	222.4
05/08/2023 06:00 AM	0.0	199.0	279.4	222.4
05/08/2023 07:00 AM	0.0	199.0	279.4	222.4
05/08/2023 08:00 AM	0.0	199.0	279.4	222.4
05/08/2023 09:00 AM	0.0	199.0	279.4	222.4
05/08/2023 10:00 AM	0.0	199.0	279.4	222.4
05/08/2023 11:00 AM	0.0	199.0	279.5	222.4
05/08/2023 12:00 PM	0.0	199.0	279.5	222.4
05/08/2023 01:00 PM	0.0	199.0	279.5	222.4
05/08/2023 02:00 PM	0.0	198.9	279.5	222.4
05/08/2023 03:00 PM	0.0	198.9	279.5	222.4
05/08/2023 04:00 PM	0.0	198.9	279.4	222.4
05/08/2023 05:00 PM	0.0	198.8	279.4	222.4
05/08/2023 06:00 PM	0.0	198.8	279.4	222.4
05/08/2023 07:00 PM	0.0	198.7	279.3	222.4
05/08/2023 08:00 PM	0.0	198.7	279.2	222.4
05/08/2023 09:00 PM	0.0	198.7	279.2	222.4
05/08/2023 10:00 PM	0.0	198.7	279.2	222.4
05/08/2023 11:00 PM	0.0	198.6	279.2	222.4
05/09/2023 12:00 AM	0.0	198.6	279.2	222.4
05/09/2023 01:00 AM	0.0	198.6	279.2	222.4
05/09/2023 02:00 AM	0.0	198.6	279.2	222.4
05/09/2023 03:00 AM	0.0	198.6	279.2	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/09/2023 04:00 AM	0.0	198.6	279.1	222.4
05/09/2023 05:00 AM	0.0	198.6	279.2	222.4
05/09/2023 06:00 AM	0.0	198.6	279.2	222.4
05/09/2023 07:00 AM	195.6	198.6	279.2	222.4
05/09/2023 08:00 AM	206.5	198.6	279.3	222.4
05/09/2023 09:00 AM	206.6	198.6	279.5	222.4
05/09/2023 10:00 AM	206.8	198.6	279.6	222.4
05/09/2023 11:00 AM	206.8	198.6	279.7	222.4
05/09/2023 12:00 PM	206.9	198.6	279.7	222.4
05/09/2023 01:00 PM	206.9	198.6	279.8	222.4
05/09/2023 02:00 PM	207.0	198.6	279.8	222.4
05/09/2023 03:00 PM	10.4	199.6	279.8	222.4
05/09/2023 04:00 PM	0.0	199.2	279.7	222.4
05/09/2023 05:00 PM	0.0	199.0	279.5	222.4
05/09/2023 06:00 PM	0.0	198.9	279.5	222.4
05/09/2023 07:00 PM	0.0	198.9	279.4	222.4
05/09/2023 08:00 PM	0.0	198.8	279.4	222.4
05/09/2023 09:00 PM	0.0	198.8	279.3	222.4
05/09/2023 10:00 PM	0.0	198.7	279.3	222.4
05/09/2023 11:00 PM	0.0	198.7	279.3	222.4
05/10/2023 12:00 AM	0.0	198.7	279.3	222.4
05/10/2023 01:00 AM	0.0	198.8	279.3	222.4
05/10/2023 02:00 AM	0.0	198.9	279.3	222.4
05/10/2023 03:00 AM	0.0	198.9	279.3	222.4
05/10/2023 04:00 AM	0.0	199.0	279.4	222.4
05/10/2023 05:00 AM	0.0	199.0	279.4	222.4
05/10/2023 06:00 AM	0.0	199.1	279.5	222.4
05/10/2023 07:00 AM	0.0	199.1	279.5	222.4
05/10/2023 08:00 AM	0.0	199.1	279.5	222.4
05/10/2023 09:00 AM	0.0	199.1	279.5	222.4
05/10/2023 10:00 AM	0.0	199.1	279.5	222.4
05/10/2023 11:00 AM	0.0	199.1	279.5	222.4
05/10/2023 12:00 PM	0.0	199.0	279.4	222.4
05/10/2023 01:00 PM	0.0	199.0	279.4	222.4
05/10/2023 02:00 PM	0.0	198.9	279.4	222.4
05/10/2023 03:00 PM	0.0	198.9	279.4	222.4
05/10/2023 04:00 PM	0.0	198.9	279.4	222.4
05/10/2023 05:00 PM	0.0	198.8	279.3	222.4
05/10/2023 06:00 PM	0.0	198.8	279.3	222.4
05/10/2023 07:00 PM	0.0	198.8	279.3	222.4
05/10/2023 08:00 PM	0.0	198.8	279.3	222.4
05/10/2023 09:00 PM	0.0	198.8	279.3	222.4
05/10/2023 10:00 PM	0.0	198.8	279.3	222.4
05/10/2023 11:00 PM	0.0	198.8	279.3	222.4
05/11/2023 12:00 AM	0.0	198.8	279.3	222.4
05/11/2023 01:00 AM	0.0	198.8	279.4	222.4
05/11/2023 02:00 AM	0.0	198.9	279.4	222.4
05/11/2023 03:00 AM	0.0	198.9	279.4	222.4
05/11/2023 04:00 AM	0.0	199.0	279.4	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/11/2023 05:00 AM	0.0	199.0	279.5	222.4
05/11/2023 06:00 AM	0.0	199.0	279.5	222.4
05/11/2023 07:00 AM	0.0	199.0	279.5	222.4
05/11/2023 08:00 AM	0.0	199.0	279.5	222.4
05/11/2023 09:00 AM	0.0	199.0	279.5	222.4
05/11/2023 10:00 AM	0.0	199.0	279.5	222.4
05/11/2023 11:00 AM	0.0	199.0	279.5	222.4
05/11/2023 12:00 PM	0.0	198.9	279.5	222.4
05/11/2023 01:00 PM	0.0	198.9	279.4	222.4
05/11/2023 02:00 PM	0.0	198.9	279.5	222.4
05/11/2023 03:00 PM	0.0	198.8	279.5	222.4
05/11/2023 04:00 PM	0.0	198.8	279.5	222.4
05/11/2023 05:00 PM	0.0	198.8	279.5	222.4
05/11/2023 06:00 PM	0.0	198.8	279.5	222.4
05/11/2023 07:00 PM	0.0	198.8	279.4	222.4
05/11/2023 08:00 PM	0.0	198.8	279.4	222.4
05/11/2023 09:00 PM	0.0	198.8	279.3	222.4
05/11/2023 10:00 PM	0.0	198.7	279.3	222.4
05/11/2023 11:00 PM	0.0	198.7	279.4	222.4
05/12/2023 12:00 AM	0.0	198.8	279.4	222.4
05/12/2023 01:00 AM	0.0	198.8	279.4	222.4
05/12/2023 02:00 AM	0.0	198.9	279.4	222.4
05/12/2023 03:00 AM	0.0	198.9	279.5	222.4
05/12/2023 04:00 AM	0.0	199.0	279.5	222.4
05/12/2023 05:00 AM	0.0	199.1	279.6	222.4
05/12/2023 06:00 AM	0.0	199.1	279.6	222.4
05/12/2023 07:00 AM	0.0	199.2	279.7	222.4
05/12/2023 08:00 AM	0.0	199.2	279.7	222.4
05/12/2023 09:00 AM	0.0	199.2	279.6	222.4
05/12/2023 10:00 AM	0.0	199.2	279.7	222.4
05/12/2023 11:00 AM	0.0	199.1	279.7	222.4
05/12/2023 12:00 PM	0.0	199.1	279.7	222.4
05/12/2023 01:00 PM	0.0	199.1	279.7	222.4
05/12/2023 02:00 PM	0.0	199.0	279.7	222.4
05/12/2023 03:00 PM	0.0	199.0	279.7	222.4
05/12/2023 04:00 PM	0.0	198.9	279.6	222.4
05/12/2023 05:00 PM	0.0	198.9	279.6	222.4
05/12/2023 06:00 PM	0.0	198.9	279.6	222.4
05/12/2023 07:00 PM	0.0	198.9	279.5	222.4
05/12/2023 08:00 PM	0.0	198.8	279.5	222.4
05/12/2023 09:00 PM	0.0	198.8	279.5	222.4
05/12/2023 10:00 PM	0.0	198.8	279.5	222.4
05/12/2023 11:00 PM	0.0	198.8	279.5	222.4
05/13/2023 12:00 AM	0.0	198.8	279.4	222.4
05/13/2023 01:00 AM	0.0	198.8	279.5	222.4
05/13/2023 02:00 AM	0.0	198.8	279.4	222.4
05/13/2023 03:00 AM	0.0	198.8	279.4	222.4
05/13/2023 04:00 AM	0.0	198.8	279.4	222.4
05/13/2023 05:00 AM	0.0	198.8	279.4	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/13/2023 06:00 AM	0.0	198.8	279.4	222.4
05/13/2023 07:00 AM	0.0	198.8	279.4	222.4
05/13/2023 08:00 AM	0.0	198.8	279.5	222.4
05/13/2023 09:00 AM	0.0	198.8	279.4	222.4
05/13/2023 10:00 AM	0.0	198.8	279.5	222.4
05/13/2023 11:00 AM	0.0	198.8	279.4	222.4
05/13/2023 12:00 PM	0.0	198.8	279.4	222.4
05/13/2023 01:00 PM	0.0	198.8	279.4	222.4
05/13/2023 02:00 PM	0.0	198.8	279.5	222.4
05/13/2023 03:00 PM	0.0	198.8	279.5	222.4
05/13/2023 04:00 PM	0.0	198.8	279.5	222.4
05/13/2023 05:00 PM	0.0	198.8	279.5	222.4
05/13/2023 06:00 PM	0.0	198.8	279.5	222.4
05/13/2023 07:00 PM	0.0	198.8	279.4	222.4
05/13/2023 08:00 PM	0.0	198.8	279.5	222.4
05/13/2023 09:00 PM	0.0	198.8	279.5	222.4
05/13/2023 10:00 PM	0.0	198.8	279.5	222.4
05/13/2023 11:00 PM	0.0	198.8	279.5	222.4
05/14/2023 12:00 AM	0.0	198.8	279.5	222.4
05/14/2023 01:00 AM	0.0	198.8	279.5	222.4
05/14/2023 02:00 AM	0.0	198.8	279.5	222.4
05/14/2023 03:00 AM	0.0	198.8	279.5	222.4
05/14/2023 04:00 AM	0.0	198.8	279.5	222.4
05/14/2023 05:00 AM	0.0	198.8	279.5	222.4
05/14/2023 06:00 AM	0.0	198.8	279.5	222.4
05/14/2023 07:00 AM	0.0	198.9	279.5	222.4
05/14/2023 08:00 AM	0.0	198.9	279.5	222.4
05/14/2023 09:00 AM	0.0	198.9	279.5	222.4
05/14/2023 10:00 AM	0.0	198.9	279.5	222.4
05/14/2023 11:00 AM	0.0	198.9	279.5	222.4
05/14/2023 12:00 PM	0.0	198.9	279.5	222.4
05/14/2023 01:00 PM	0.0	198.8	279.5	222.4
05/14/2023 02:00 PM	0.0	198.8	279.5	222.4
05/14/2023 03:00 PM	0.0	198.8	279.5	222.4
05/14/2023 04:00 PM	0.0	198.8	279.6	222.4
05/14/2023 05:00 PM	0.0	198.8	279.5	222.4
05/14/2023 06:00 PM	0.0	198.8	279.5	222.4
05/14/2023 07:00 PM	0.0	198.8	279.5	222.4
05/14/2023 08:00 PM	0.0	198.8	279.5	222.4
05/14/2023 09:00 PM	0.0	198.8	279.5	222.4
05/14/2023 10:00 PM	0.0	198.8	279.5	222.4
05/14/2023 11:00 PM	0.0	198.8	279.5	222.4
05/15/2023 12:00 AM	0.0	198.8	279.5	222.4
05/15/2023 01:00 AM	0.0	198.8	279.5	222.4
05/15/2023 02:00 AM	0.0	198.8	279.5	222.4
05/15/2023 03:00 AM	0.0	198.8	279.5	222.4
05/15/2023 04:00 AM	0.0	198.8	279.5	222.4
05/15/2023 05:00 AM	0.0	198.8	279.5	222.4
05/15/2023 06:00 AM	0.0	198.8	279.5	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/15/2023 07:00 AM	0.0	198.9	279.6	222.4
05/15/2023 08:00 AM	0.0	198.9	279.6	222.4
05/15/2023 09:00 AM	0.0	198.9	279.6	222.4
05/15/2023 10:00 AM	0.0	198.9	279.6	222.4
05/15/2023 11:00 AM	0.0	198.9	279.6	222.4
05/15/2023 12:00 PM	0.0	198.9	279.6	222.4
05/15/2023 01:00 PM	0.0	198.8	279.6	222.4
05/15/2023 02:00 PM	0.0	198.8	279.6	222.4
05/15/2023 03:00 PM	0.0	198.8	279.6	222.4
05/15/2023 04:00 PM	0.0	198.8	279.5	222.4
05/15/2023 05:00 PM	0.0	198.8	279.5	222.4
05/15/2023 06:00 PM	0.0	198.8	279.6	222.4
05/15/2023 07:00 PM	0.0	198.8	279.5	222.4
05/15/2023 08:00 PM	0.0	198.8	279.5	222.4
05/15/2023 09:00 PM	0.0	198.8	279.5	222.4
05/15/2023 10:00 PM	0.0	198.8	279.5	222.4
05/15/2023 11:00 PM	0.0	198.8	279.5	222.4
05/16/2023 12:00 AM	0.0	198.8	279.5	222.4
05/16/2023 01:00 AM	0.0	198.8	279.5	222.4
05/16/2023 02:00 AM	0.0	198.7	279.5	222.4
05/16/2023 03:00 AM	0.0	198.7	279.5	222.4
05/16/2023 04:00 AM	0.0	198.7	279.5	222.4
05/16/2023 05:00 AM	0.0	198.7	279.4	222.4
05/16/2023 06:00 AM	0.0	198.7	279.5	222.4
05/16/2023 07:00 AM	195.7	198.7	279.5	222.4
05/16/2023 08:00 AM	206.6	198.7	279.6	222.4
05/16/2023 09:00 AM	206.8	198.7	279.7	222.4
05/16/2023 10:00 AM	206.9	198.7	279.8	222.4
05/16/2023 11:00 AM	206.9	198.7	279.9	222.4
05/16/2023 12:00 PM	207.0	198.7	279.9	222.4
05/16/2023 01:00 PM	207.0	198.7	279.9	222.4
05/16/2023 02:00 PM	207.0	198.7	279.9	222.4
05/16/2023 03:00 PM	10.4	199.6	279.9	222.4
05/16/2023 04:00 PM	0.0	199.2	279.8	222.4
05/16/2023 05:00 PM	0.0	199.0	279.7	222.4
05/16/2023 06:00 PM	0.0	199.0	279.6	222.4
05/16/2023 07:00 PM	0.0	198.9	279.5	222.4
05/16/2023 08:00 PM	0.0	198.9	279.5	222.4
05/16/2023 09:00 PM	0.0	198.8	279.5	222.4
05/16/2023 10:00 PM	0.0	198.8	279.5	222.4
05/16/2023 11:00 PM	0.0	198.8	279.5	222.4
05/17/2023 12:00 AM	0.0	198.8	279.5	222.4
05/17/2023 01:00 AM	0.0	198.9	279.5	222.4
05/17/2023 02:00 AM	0.0	198.9	279.5	222.4
05/17/2023 03:00 AM	0.0	199.0	279.5	222.4
05/17/2023 04:00 AM	0.0	199.0	279.5	222.4
05/17/2023 05:00 AM	0.0	199.0	279.5	222.4
05/17/2023 06:00 AM	0.0	199.1	279.6	222.4
05/17/2023 07:00 AM	0.0	199.1	279.6	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/17/2023 08:00 AM	0.0	199.2	279.6	222.4
05/17/2023 09:00 AM	0.0	199.2	279.6	222.4
05/17/2023 10:00 AM	0.0	199.2	279.7	222.4
05/17/2023 11:00 AM	0.0	199.1	279.7	222.4
05/17/2023 12:00 PM	0.0	199.1	279.6	222.4
05/17/2023 01:00 PM	0.0	199.0	279.6	222.4
05/17/2023 02:00 PM	0.0	199.0	279.6	222.4
05/17/2023 03:00 PM	0.0	198.9	279.6	222.4
05/17/2023 04:00 PM	0.0	198.8	279.5	222.4
05/17/2023 05:00 PM	0.0	198.8	279.5	222.4
05/17/2023 06:00 PM	0.0	198.8	279.4	222.4
05/17/2023 07:00 PM	0.0	198.7	279.4	222.4
05/17/2023 08:00 PM	0.0	198.7	279.4	222.4
05/17/2023 09:00 PM	0.0	198.7	279.4	222.4
05/17/2023 10:00 PM	0.0	198.7	279.4	222.4
05/17/2023 11:00 PM	0.0	198.7	279.4	222.4
05/18/2023 12:00 AM	0.0	198.8	279.4	222.4
05/18/2023 01:00 AM	0.0	198.8	279.5	222.4
05/18/2023 02:00 AM	0.0	198.8	279.4	222.4
05/18/2023 03:00 AM	0.0	198.9	279.4	222.4
05/18/2023 04:00 AM	0.0	198.9	279.5	222.4
05/18/2023 05:00 AM	0.0	198.9	279.5	222.4
05/18/2023 06:00 AM	0.0	198.9	279.5	222.4
05/18/2023 07:00 AM	0.0	198.9	279.5	222.4
05/18/2023 08:00 AM	0.0	199.0	279.5	222.4
05/18/2023 09:00 AM	0.0	199.0	279.5	222.4
05/18/2023 10:00 AM	0.0	199.0	279.6	222.4
05/18/2023 11:00 AM	0.0	199.0	279.6	222.4
05/18/2023 12:00 PM	0.0	198.9	279.6	222.4
05/18/2023 01:00 PM	0.0	198.9	279.6	222.4
05/18/2023 02:00 PM	0.0	198.9	279.6	222.4
05/18/2023 03:00 PM	0.0	198.8	279.5	222.4
05/18/2023 04:00 PM	0.0	198.8	279.5	222.4
05/18/2023 05:00 PM	0.0	198.7	279.5	222.4
05/18/2023 06:00 PM	0.0	198.7	279.4	222.4
05/18/2023 07:00 PM	0.0	198.7	279.4	222.4
05/18/2023 08:00 PM	0.0	198.7	279.4	222.4
05/18/2023 09:00 PM	0.0	198.7	279.4	222.4
05/18/2023 10:00 PM	0.0	198.7	279.4	222.4
05/18/2023 11:00 PM	0.0	198.7	279.5	222.4
05/19/2023 12:00 AM	0.0	198.8	279.5	222.4
05/19/2023 01:00 AM	0.0	198.8	279.5	222.4
05/19/2023 02:00 AM	0.0	198.9	279.5	222.4
05/19/2023 03:00 AM	0.0	198.9	279.6	222.4
05/19/2023 04:00 AM	0.0	199.0	279.6	222.4
05/19/2023 05:00 AM	0.0	199.0	279.6	222.4
05/19/2023 06:00 AM	0.0	199.1	279.7	222.4
05/19/2023 07:00 AM	0.0	199.1	279.7	222.4
05/19/2023 08:00 AM	0.0	199.2	279.7	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/19/2023 09:00 AM	0.0	199.2	279.7	222.4
05/19/2023 10:00 AM	0.0	199.2	279.8	222.4
05/19/2023 11:00 AM	0.0	199.2	279.8	222.4
05/19/2023 12:00 PM	0.0	199.1	279.8	222.4
05/19/2023 01:00 PM	0.0	199.1	279.8	222.4
05/19/2023 02:00 PM	0.0	199.0	279.8	222.4
05/19/2023 03:00 PM	0.0	199.0	279.8	222.4
05/19/2023 04:00 PM	0.0	198.9	279.7	222.4
05/19/2023 05:00 PM	0.0	198.9	279.7	222.4
05/19/2023 06:00 PM	0.0	198.9	279.7	222.4
05/19/2023 07:00 PM	0.0	198.8	279.6	222.4
05/19/2023 08:00 PM	0.0	198.8	279.6	222.4
05/19/2023 09:00 PM	0.0	198.8	279.6	222.4
05/19/2023 10:00 PM	0.0	198.8	279.6	222.4
05/19/2023 11:00 PM	0.0	198.8	279.6	222.4
05/20/2023 12:00 AM	0.0	198.8	279.7	222.4
05/20/2023 01:00 AM	0.0	198.9	279.7	222.4
05/20/2023 02:00 AM	0.0	198.8	279.7	222.4
05/20/2023 03:00 AM	0.0	198.8	279.6	222.4
05/20/2023 04:00 AM	0.0	198.8	279.6	222.4
05/20/2023 05:00 AM	0.0	198.8	279.6	222.4
05/20/2023 06:00 AM	0.0	198.8	279.6	222.4
05/20/2023 07:00 AM	0.0	198.8	279.6	222.4
05/20/2023 08:00 AM	0.0	198.8	279.6	222.4
05/20/2023 09:00 AM	0.0	198.8	279.7	222.4
05/20/2023 10:00 AM	0.0	198.9	279.7	222.4
05/20/2023 11:00 AM	0.0	198.9	279.7	222.4
05/20/2023 12:00 PM	0.0	198.9	279.7	222.4
05/20/2023 01:00 PM	0.0	198.8	279.7	222.4
05/20/2023 02:00 PM	0.0	198.8	279.7	222.4
05/20/2023 03:00 PM	0.0	198.8	279.7	222.4
05/20/2023 04:00 PM	0.0	198.8	279.7	222.4
05/20/2023 05:00 PM	0.0	198.7	279.6	222.4
05/20/2023 06:00 PM	0.0	198.7	279.6	222.4
05/20/2023 07:00 PM	0.0	198.7	279.6	222.4
05/20/2023 08:00 PM	0.0	198.7	279.5	222.4
05/20/2023 09:00 PM	0.0	198.7	279.5	222.4
05/20/2023 10:00 PM	0.0	198.7	279.5	222.4
05/20/2023 11:00 PM	0.0	198.7	279.5	222.4
05/21/2023 12:00 AM	0.0	198.7	279.6	222.4
05/21/2023 01:00 AM	0.0	198.7	279.6	222.4
05/21/2023 02:00 AM	0.0	198.7	279.6	222.4
05/21/2023 03:00 AM	0.0	198.7	279.5	222.4
05/21/2023 04:00 AM	0.0	198.7	279.5	222.4
05/21/2023 05:00 AM	0.0	198.7	279.5	222.4
05/21/2023 06:00 AM	0.0	198.7	279.5	222.4
05/21/2023 07:00 AM	0.0	198.7	279.5	222.4
05/21/2023 08:00 AM	0.0	198.7	279.5	222.4
05/21/2023 09:00 AM	0.0	198.7	279.5	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/21/2023 10:00 AM	0.0	198.7	279.5	222.4
05/21/2023 11:00 AM	0.0	198.7	279.5	222.4
05/21/2023 12:00 PM	0.0	198.7	279.5	222.4
05/21/2023 01:00 PM	0.0	198.7	279.5	222.4
05/21/2023 02:00 PM	0.0	198.7	279.5	222.4
05/21/2023 03:00 PM	0.0	198.6	279.5	222.4
05/21/2023 04:00 PM	0.0	198.6	279.5	222.4
05/21/2023 05:00 PM	0.0	198.6	279.5	222.4
05/21/2023 06:00 PM	0.0	198.5	279.4	222.4
05/21/2023 07:00 PM	0.0	198.5	279.4	222.4
05/21/2023 08:00 PM	0.0	198.5	279.4	222.4
05/21/2023 09:00 PM	0.0	198.5	279.4	222.4
05/21/2023 10:00 PM	0.0	198.5	279.4	222.4
05/21/2023 11:00 PM	0.0	198.5	279.3	222.4
05/22/2023 12:00 AM	0.0	198.5	279.4	222.4
05/22/2023 01:00 AM	0.0	198.6	279.4	222.4
05/22/2023 02:00 AM	0.0	198.7	279.5	222.4
05/22/2023 03:00 AM	0.0	198.7	279.5	222.4
05/22/2023 04:00 AM	0.0	198.8	279.5	222.4
05/22/2023 05:00 AM	0.0	198.8	279.5	222.4
05/22/2023 06:00 AM	0.0	198.9	279.5	222.4
05/22/2023 07:00 AM	0.0	198.9	279.5	222.4
05/22/2023 08:00 AM	0.0	198.9	279.6	222.4
05/22/2023 09:00 AM	0.0	198.9	279.6	222.4
05/22/2023 10:00 AM	0.0	198.9	279.6	222.4
05/22/2023 11:00 AM	0.0	198.8	279.6	222.4
05/22/2023 12:00 PM	0.0	198.8	279.6	222.4
05/22/2023 01:00 PM	0.0	198.8	279.6	222.4
05/22/2023 02:00 PM	0.0	198.7	279.6	222.4
05/22/2023 03:00 PM	0.0	198.7	279.6	222.4
05/22/2023 04:00 PM	0.0	198.6	279.6	222.4
05/22/2023 05:00 PM	0.0	198.6	279.5	222.4
05/22/2023 06:00 PM	0.0	198.5	279.5	222.4
05/22/2023 07:00 PM	0.0	198.5	279.5	222.4
05/22/2023 08:00 PM	0.0	198.5	279.4	222.4
05/22/2023 09:00 PM	0.0	198.5	279.4	222.4
05/22/2023 10:00 PM	0.0	198.4	279.4	222.4
05/22/2023 11:00 PM	0.0	198.4	279.4	222.4
05/23/2023 12:00 AM	0.0	198.5	279.4	222.4
05/23/2023 01:00 AM	0.0	198.5	279.4	222.4
05/23/2023 02:00 AM	0.0	198.5	279.4	222.4
05/23/2023 03:00 AM	0.0	198.6	279.5	222.4
05/23/2023 04:00 AM	0.0	198.6	279.5	222.4
05/23/2023 05:00 AM	0.0	198.6	279.5	222.4
05/23/2023 06:00 AM	0.0	198.6	279.5	222.4
05/23/2023 07:00 AM	195.6	198.6	279.5	222.4
05/23/2023 08:00 AM	206.4	198.6	279.6	222.4
05/23/2023 09:00 AM	206.6	198.6	279.8	222.4
05/23/2023 10:00 AM	206.7	198.6	279.9	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/23/2023 11:00 AM	206.8	198.6	279.9	222.4
05/23/2023 12:00 PM	206.8	198.6	280.0	222.4
05/23/2023 01:00 PM	206.8	198.6	280.0	222.4
05/23/2023 02:00 PM	206.9	198.6	280.1	222.4
05/23/2023 03:00 PM	10.3	199.5	280.1	222.4
05/23/2023 04:00 PM	0.0	199.1	279.9	222.4
05/23/2023 05:00 PM	0.0	198.9	279.8	222.4
05/23/2023 06:00 PM	0.0	198.8	279.8	222.4
05/23/2023 07:00 PM	0.0	198.7	279.7	222.4
05/23/2023 08:00 PM	0.0	198.7	279.6	222.4
05/23/2023 09:00 PM	0.0	198.6	279.6	222.4
05/23/2023 10:00 PM	0.0	198.6	279.6	222.4
05/23/2023 11:00 PM	0.0	198.6	279.6	222.4
05/24/2023 12:00 AM	0.0	198.6	279.5	222.4
05/24/2023 01:00 AM	0.0	198.6	279.5	222.4
05/24/2023 02:00 AM	0.0	198.5	279.5	222.4
05/24/2023 03:00 AM	0.0	198.5	279.6	222.4
05/24/2023 04:00 AM	0.0	198.5	279.5	222.4
05/24/2023 05:00 AM	0.0	198.5	279.5	222.4
05/24/2023 06:00 AM	0.0	198.5	279.5	222.4
05/24/2023 07:00 AM	0.0	198.5	279.5	222.4
05/24/2023 08:00 AM	0.0	198.5	279.6	222.4
05/24/2023 09:00 AM	0.0	198.5	279.6	222.4
05/24/2023 10:00 AM	0.0	198.5	279.6	222.4
05/24/2023 11:00 AM	0.0	198.6	279.6	222.4
05/24/2023 12:00 PM	0.0	198.6	279.7	222.4
05/24/2023 01:00 PM	0.0	198.6	279.6	222.4
05/24/2023 02:00 PM	0.0	198.5	279.7	222.4
05/24/2023 03:00 PM	0.0	198.5	279.6	222.4
05/24/2023 04:00 PM	0.0	198.5	279.6	222.4
05/24/2023 05:00 PM	0.0	198.5	279.6	222.4
05/24/2023 06:00 PM	0.0	198.5	279.6	222.4
05/24/2023 07:00 PM	0.0	198.5	279.6	222.4
05/24/2023 08:00 PM	0.0	198.5	279.5	222.4
05/24/2023 09:00 PM	0.0	198.5	279.5	222.4
05/24/2023 10:00 PM	0.0	198.5	279.5	222.4
05/24/2023 11:00 PM	0.0	198.5	279.5	222.4
05/25/2023 12:00 AM	0.0	198.5	279.5	222.4
05/25/2023 01:00 AM	0.0	198.5	279.5	222.4
05/25/2023 02:00 AM	0.0	198.6	279.6	222.4
05/25/2023 03:00 AM	0.0	198.6	279.6	222.4
05/25/2023 04:00 AM	0.0	198.7	279.7	222.4
05/25/2023 05:00 AM	0.0	198.8	279.7	222.4
05/25/2023 06:00 AM	0.0	198.8	279.7	222.4
05/25/2023 07:00 AM	0.0	198.9	279.8	222.4
05/25/2023 08:00 AM	0.0	198.9	279.8	222.4
05/25/2023 09:00 AM	0.0	198.9	279.8	222.4
05/25/2023 10:00 AM	0.0	198.9	279.9	222.4
05/25/2023 11:00 AM	0.0	199.0	279.9	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/25/2023 12:00 PM	0.0	199.0	279.9	222.4
05/25/2023 01:00 PM	0.0	198.9	279.9	222.4
05/25/2023 02:00 PM	0.0	198.9	280.0	222.4
05/25/2023 03:00 PM	0.0	198.9	279.9	222.4
05/25/2023 04:00 PM	0.0	198.8	279.9	222.4
05/25/2023 05:00 PM	0.0	198.8	279.9	222.4
05/25/2023 06:00 PM	0.0	198.8	279.9	222.4
05/25/2023 07:00 PM	0.0	198.8	279.9	222.4
05/25/2023 08:00 PM	0.0	198.7	279.8	222.4
05/25/2023 09:00 PM	0.0	198.7	279.8	222.4
05/25/2023 10:00 PM	0.0	198.7	279.8	222.4
05/25/2023 11:00 PM	0.0	198.7	279.8	222.4
05/26/2023 12:00 AM	0.0	198.7	279.7	222.4
05/26/2023 01:00 AM	0.0	198.8	279.7	222.4
05/26/2023 02:00 AM	0.0	198.9	279.8	222.4
05/26/2023 03:00 AM	0.0	198.9	279.9	222.4
05/26/2023 04:00 AM	0.0	199.0	279.9	222.4
05/26/2023 05:00 AM	0.0	199.0	279.9	222.4
05/26/2023 06:00 AM	0.0	199.1	279.9	222.4
05/26/2023 07:00 AM	0.0	199.1	280.0	222.4
05/26/2023 08:00 AM	0.0	199.2	280.0	222.4
05/26/2023 09:00 AM	0.0	199.2	280.0	222.4
05/26/2023 10:00 AM	0.0	199.2	280.1	222.4
05/26/2023 11:00 AM	0.0	199.1	280.1	222.4
05/26/2023 12:00 PM	0.0	199.1	280.1	222.4
05/26/2023 01:00 PM	0.0	199.1	280.1	222.4
05/26/2023 02:00 PM	0.0	199.0	280.1	222.4
05/26/2023 03:00 PM	0.0	199.0	280.1	222.4
05/26/2023 04:00 PM	0.0	199.0	280.1	222.4
05/26/2023 05:00 PM	0.0	198.9	280.0	222.4
05/26/2023 06:00 PM	0.0	198.9	280.0	222.4
05/26/2023 07:00 PM	0.0	198.9	280.0	222.4
05/26/2023 08:00 PM	0.0	198.9	279.9	222.4
05/26/2023 09:00 PM	0.0	198.9	279.9	222.4
05/26/2023 10:00 PM	0.0	198.9	279.9	222.4
05/26/2023 11:00 PM	0.0	198.8	279.9	222.4
05/27/2023 12:00 AM	0.0	198.8	279.9	222.4
05/27/2023 01:00 AM	0.0	198.8	279.9	222.4
05/27/2023 02:00 AM	0.0	198.8	279.9	222.4
05/27/2023 03:00 AM	0.0	198.8	279.9	222.4
05/27/2023 04:00 AM	0.0	198.8	279.9	222.4
05/27/2023 05:00 AM	0.0	198.8	279.9	222.4
05/27/2023 06:00 AM	0.0	198.8	280.0	222.4
05/27/2023 07:00 AM	0.0	198.8	279.9	222.4
05/27/2023 08:00 AM	0.0	198.8	280.0	222.4
05/27/2023 09:00 AM	0.0	198.8	280.0	222.4
05/27/2023 10:00 AM	0.0	198.8	280.0	222.4
05/27/2023 11:00 AM	0.0	198.8	280.0	222.4
05/27/2023 12:00 PM	0.0	198.8	280.0	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/27/2023 01:00 PM	0.0	198.8	280.0	222.4
05/27/2023 02:00 PM	0.0	198.8	280.0	222.4
05/27/2023 03:00 PM	0.0	198.8	280.0	222.4
05/27/2023 04:00 PM	0.0	198.8	280.0	222.4
05/27/2023 05:00 PM	0.0	198.8	280.0	222.4
05/27/2023 06:00 PM	0.0	198.8	280.0	222.4
05/27/2023 07:00 PM	0.0	198.8	280.0	222.4
05/27/2023 08:00 PM	0.0	198.8	279.9	222.4
05/27/2023 09:00 PM	0.0	198.8	279.9	222.4
05/27/2023 10:00 PM	0.0	198.8	279.9	222.4
05/27/2023 11:00 PM	0.0	198.8	279.9	222.4
05/28/2023 12:00 AM	0.0	198.8	280.0	222.4
05/28/2023 01:00 AM	0.0	198.8	279.9	222.4
05/28/2023 02:00 AM	0.0	198.8	279.9	222.4
05/28/2023 03:00 AM	0.0	198.8	279.9	222.4
05/28/2023 04:00 AM	0.0	198.8	279.9	222.4
05/28/2023 05:00 AM	0.0	198.8	279.9	222.4
05/28/2023 06:00 AM	0.0	198.8	279.9	222.4
05/28/2023 07:00 AM	0.0	198.8	279.9	222.4
05/28/2023 08:00 AM	0.0	198.8	279.9	222.4
05/28/2023 09:00 AM	0.0	198.8	280.0	222.4
05/28/2023 10:00 AM	0.0	198.8	280.0	222.4
05/28/2023 11:00 AM	0.0	198.8	280.0	222.4
05/28/2023 12:00 PM	0.0	198.8	280.0	222.4
05/28/2023 01:00 PM	0.0	198.8	280.0	222.4
05/28/2023 02:00 PM	0.0	198.8	280.0	222.4
05/28/2023 03:00 PM	0.0	198.8	280.0	222.4
05/28/2023 04:00 PM	0.0	198.7	280.0	222.4
05/28/2023 05:00 PM	0.0	198.7	280.0	222.4
05/28/2023 06:00 PM	0.0	198.7	280.0	222.4
05/28/2023 07:00 PM	0.0	198.7	280.0	222.4
05/28/2023 08:00 PM	0.0	198.7	280.0	222.4
05/28/2023 09:00 PM	0.0	198.7	279.9	222.4
05/28/2023 10:00 PM	0.0	198.7	279.9	222.4
05/28/2023 11:00 PM	0.0	198.8	279.9	222.4
05/29/2023 12:00 AM	0.0	198.8	279.9	222.4
05/29/2023 01:00 AM	0.0	198.8	279.9	222.4
05/29/2023 02:00 AM	0.0	198.9	280.0	222.4
05/29/2023 03:00 AM	0.0	199.0	280.0	222.4
05/29/2023 04:00 AM	0.0	199.0	280.1	222.4
05/29/2023 05:00 AM	0.0	199.1	280.1	222.4
05/29/2023 06:00 AM	0.0	199.2	280.2	222.4
05/29/2023 07:00 AM	0.0	199.2	280.2	222.4
05/29/2023 08:00 AM	0.0	199.2	280.2	222.4
05/29/2023 09:00 AM	0.0	199.2	280.2	222.4
05/29/2023 10:00 AM	0.0	199.2	280.2	222.4
05/29/2023 11:00 AM	0.0	199.2	280.3	222.4
05/29/2023 12:00 PM	0.0	199.1	280.3	222.4
05/29/2023 01:00 PM	0.0	199.1	280.2	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/29/2023 02:00 PM	0.0	199.1	280.2	222.4
05/29/2023 03:00 PM	0.0	199.0	280.2	222.4
05/29/2023 04:00 PM	0.0	199.0	280.2	222.4
05/29/2023 05:00 PM	0.0	199.0	280.2	222.4
05/29/2023 06:00 PM	0.0	198.9	280.2	222.4
05/29/2023 07:00 PM	0.0	198.9	280.1	222.4
05/29/2023 08:00 PM	0.0	198.9	280.1	222.4
05/29/2023 09:00 PM	0.0	198.9	280.1	222.4
05/29/2023 10:00 PM	0.0	198.9	280.1	222.4
05/29/2023 11:00 PM	0.0	198.9	280.0	222.4
05/30/2023 12:00 AM	0.0	198.9	280.0	222.4
05/30/2023 01:00 AM	0.0	198.9	280.0	222.4
05/30/2023 02:00 AM	0.0	198.9	280.1	222.4
05/30/2023 03:00 AM	0.0	199.0	280.1	222.4
05/30/2023 04:00 AM	0.0	199.0	280.1	222.4
05/30/2023 05:00 AM	0.0	199.1	280.1	222.4
05/30/2023 06:00 AM	0.0	199.1	280.1	222.4
05/30/2023 07:00 AM	196.0	199.1	280.2	222.4
05/30/2023 08:00 AM	206.9	199.1	280.3	222.4
05/30/2023 09:00 AM	207.0	199.1	280.4	222.4
05/30/2023 10:00 AM	207.1	199.1	280.5	222.4
05/30/2023 11:00 AM	207.2	199.1	280.6	222.4
05/30/2023 12:00 PM	207.2	199.1	280.6	222.4
05/30/2023 01:00 PM	207.2	199.1	280.6	222.4
05/30/2023 02:00 PM	207.2	199.1	280.6	222.4
05/30/2023 03:00 PM	10.4	199.8	280.6	222.4
05/30/2023 04:00 PM	0.0	199.4	280.4	222.4
05/30/2023 05:00 PM	0.0	199.2	280.4	222.4
05/30/2023 06:00 PM	0.0	199.1	280.3	222.4
05/30/2023 07:00 PM	0.0	199.1	280.2	222.4
05/30/2023 08:00 PM	0.0	199.0	280.2	222.4
05/30/2023 09:00 PM	0.0	199.0	280.2	222.4
05/30/2023 10:00 PM	0.0	199.0	280.1	222.4
05/30/2023 11:00 PM	0.0	199.0	280.1	222.4
05/31/2023 12:00 AM	0.0	199.0	280.1	222.4
05/31/2023 01:00 AM	0.0	199.0	280.1	222.4
05/31/2023 02:00 AM	0.0	199.0	280.1	222.4
05/31/2023 03:00 AM	0.0	199.1	280.1	222.4
05/31/2023 04:00 AM	0.0	199.1	280.1	222.4
05/31/2023 05:00 AM	0.0	199.2	280.2	222.4
05/31/2023 06:00 AM	0.0	199.2	280.2	222.4
05/31/2023 07:00 AM	0.0	199.3	280.2	222.4
05/31/2023 08:00 AM	0.0	199.3	280.3	222.4
05/31/2023 09:00 AM	0.0	199.3	280.4	222.4
05/31/2023 10:00 AM	0.0	199.3	280.3	222.4
05/31/2023 11:00 AM	0.0	199.3	280.3	222.4
05/31/2023 12:00 PM	0.0	199.2	280.3	222.4
05/31/2023 01:00 PM	0.0	199.2	280.3	222.4
05/31/2023 02:00 PM	0.0	199.1	280.2	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
May 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
05/31/2023 03:00 PM	0.0	199.1	280.2	222.4
05/31/2023 04:00 PM	0.0	199.0	280.2	222.4
05/31/2023 05:00 PM	0.0	199.0	280.2	222.4
05/31/2023 06:00 PM	0.0	198.9	280.2	222.4
05/31/2023 07:00 PM	0.0	198.9	280.1	222.4
05/31/2023 08:00 PM	0.0	198.9	280.1	222.4
05/31/2023 09:00 PM	0.0	198.9	280.1	222.4
05/31/2023 10:00 PM	0.0	198.9	280.1	222.4
05/31/2023 11:00 PM	0.0	198.9	280.1	222.4

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/01/2023 12:00 AM	0.0	0.0	0.0
05/01/2023 01:00 AM	0.0	0.0	0.0
05/01/2023 02:00 AM	0.0	0.0	0.0
05/01/2023 03:00 AM	0.0	0.0	0.0
05/01/2023 04:00 AM	0.0	0.0	0.0
05/01/2023 05:00 AM	0.0	0.0	0.0
05/01/2023 06:00 AM	0.0	0.0	0.0
05/01/2023 07:00 AM	0.0	0.0	0.0
05/01/2023 08:00 AM	0.0	0.0	0.0
05/01/2023 09:00 AM	0.0	0.0	0.0
05/01/2023 10:00 AM	0.0	0.0	0.0
05/01/2023 11:00 AM	0.0	0.0	0.0
05/01/2023 12:00 PM	0.0	0.0	0.0
05/01/2023 01:00 PM	0.0	0.0	0.0
05/01/2023 02:00 PM	0.0	0.0	0.0
05/01/2023 03:00 PM	0.0	0.0	0.0
05/01/2023 04:00 PM	0.0	0.0	0.0
05/01/2023 05:00 PM	0.0	0.0	0.0
05/01/2023 06:00 PM	0.0	0.0	0.0
05/01/2023 07:00 PM	0.0	0.0	0.0
05/01/2023 08:00 PM	0.0	0.0	0.0
05/01/2023 09:00 PM	0.0	0.0	0.0
05/01/2023 10:00 PM	0.0	0.0	0.0
05/01/2023 11:00 PM	0.0	0.0	0.0
05/02/2023 12:00 AM	0.0	0.0	0.0
05/02/2023 01:00 AM	0.0	0.0	0.0
05/02/2023 02:00 AM	0.0	0.0	0.0
05/02/2023 03:00 AM	0.0	0.0	0.0
05/02/2023 04:00 AM	0.0	0.0	0.0
05/02/2023 05:00 AM	0.0	0.0	0.0
05/02/2023 06:00 AM	0.0	0.0	0.0
05/02/2023 07:00 AM	1,917.6	0.0	1,799.2
05/02/2023 08:00 AM	1,884.4	1,792.7	1,829.5
05/02/2023 09:00 AM	1,794.0	1,758.1	1,776.2
05/02/2023 10:00 AM	1,766.4	1,748.7	1,755.9
05/02/2023 11:00 AM	1,749.3	1,728.8	1,743.8
05/02/2023 12:00 PM	1,734.5	1,713.9	1,723.6
05/02/2023 01:00 PM	1,721.3	1,694.0	1,713.6
05/02/2023 02:00 PM	1,694.0	1,690.4	1,690.7
05/02/2023 03:00 PM	1,690.4	0.0	873.4
05/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/02/2023 05:00 PM	0.0	0.0	0.0
05/02/2023 06:00 PM	0.0	0.0	0.0
05/02/2023 07:00 PM	0.0	0.0	0.0
05/02/2023 08:00 PM	0.0	0.0	0.0
05/02/2023 09:00 PM	0.0	0.0	0.0
05/02/2023 10:00 PM	0.0	0.0	0.0
05/02/2023 11:00 PM	0.0	0.0	0.0
05/03/2023 12:00 AM	0.0	0.0	0.0
05/03/2023 01:00 AM	0.0	0.0	0.0
05/03/2023 02:00 AM	0.0	0.0	0.0
05/03/2023 03:00 AM	0.0	0.0	0.0
05/03/2023 04:00 AM	0.0	0.0	0.0
05/03/2023 05:00 AM	0.0	0.0	0.0
05/03/2023 06:00 AM	0.0	0.0	0.0
05/03/2023 07:00 AM	0.0	0.0	0.0
05/03/2023 08:00 AM	0.0	0.0	0.0
05/03/2023 09:00 AM	0.0	0.0	0.0
05/03/2023 10:00 AM	0.0	0.0	0.0
05/03/2023 11:00 AM	0.0	0.0	0.0
05/03/2023 12:00 PM	0.0	0.0	0.0
05/03/2023 01:00 PM	0.0	0.0	0.0
05/03/2023 02:00 PM	0.0	0.0	0.0
05/03/2023 03:00 PM	0.0	0.0	0.0
05/03/2023 04:00 PM	0.0	0.0	0.0
05/03/2023 05:00 PM	0.0	0.0	0.0
05/03/2023 06:00 PM	0.0	0.0	0.0
05/03/2023 07:00 PM	0.0	0.0	0.0
05/03/2023 08:00 PM	0.0	0.0	0.0
05/03/2023 09:00 PM	0.0	0.0	0.0
05/03/2023 10:00 PM	0.0	0.0	0.0
05/03/2023 11:00 PM	0.0	0.0	0.0
05/04/2023 12:00 AM	0.0	0.0	0.0
05/04/2023 01:00 AM	0.0	0.0	0.0
05/04/2023 02:00 AM	0.0	0.0	0.0
05/04/2023 03:00 AM	0.0	0.0	0.0
05/04/2023 04:00 AM	0.0	0.0	0.0
05/04/2023 05:00 AM	0.0	0.0	0.0
05/04/2023 06:00 AM	0.0	0.0	0.0
05/04/2023 07:00 AM	0.0	0.0	0.0
05/04/2023 08:00 AM	0.0	0.0	0.0
05/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/04/2023 10:00 AM	0.0	0.0	0.0
05/04/2023 11:00 AM	0.0	0.0	0.0
05/04/2023 12:00 PM	0.0	0.0	0.0
05/04/2023 01:00 PM	0.0	0.0	0.0
05/04/2023 02:00 PM	0.0	0.0	0.0
05/04/2023 03:00 PM	0.0	0.0	0.0
05/04/2023 04:00 PM	0.0	0.0	0.0
05/04/2023 05:00 PM	0.0	0.0	0.0
05/04/2023 06:00 PM	0.0	0.0	0.0
05/04/2023 07:00 PM	0.0	0.0	0.0
05/04/2023 08:00 PM	0.0	0.0	0.0
05/04/2023 09:00 PM	0.0	0.0	0.0
05/04/2023 10:00 PM	0.0	0.0	0.0
05/04/2023 11:00 PM	0.0	0.0	0.0
05/05/2023 12:00 AM	0.0	0.0	0.0
05/05/2023 01:00 AM	0.0	0.0	0.0
05/05/2023 02:00 AM	0.0	0.0	0.0
05/05/2023 03:00 AM	0.0	0.0	0.0
05/05/2023 04:00 AM	0.0	0.0	0.0
05/05/2023 05:00 AM	0.0	0.0	0.0
05/05/2023 06:00 AM	0.0	0.0	0.0
05/05/2023 07:00 AM	0.0	0.0	0.0
05/05/2023 08:00 AM	0.0	0.0	0.0
05/05/2023 09:00 AM	0.0	0.0	0.0
05/05/2023 10:00 AM	0.0	0.0	0.0
05/05/2023 11:00 AM	0.0	0.0	0.0
05/05/2023 12:00 PM	0.0	0.0	0.0
05/05/2023 01:00 PM	0.0	0.0	0.0
05/05/2023 02:00 PM	0.0	0.0	0.0
05/05/2023 03:00 PM	0.0	0.0	0.0
05/05/2023 04:00 PM	0.0	0.0	0.0
05/05/2023 05:00 PM	0.0	0.0	0.0
05/05/2023 06:00 PM	0.0	0.0	0.0
05/05/2023 07:00 PM	0.0	0.0	0.0
05/05/2023 08:00 PM	0.0	0.0	0.0
05/05/2023 09:00 PM	0.0	0.0	0.0
05/05/2023 10:00 PM	0.0	0.0	0.0
05/05/2023 11:00 PM	0.0	0.0	0.0
05/06/2023 12:00 AM	0.0	0.0	0.0
05/06/2023 01:00 AM	0.0	0.0	0.0
05/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/06/2023 03:00 AM	0.0	0.0	0.0
05/06/2023 04:00 AM	0.0	0.0	0.0
05/06/2023 05:00 AM	0.0	0.0	0.0
05/06/2023 06:00 AM	0.0	0.0	0.0
05/06/2023 07:00 AM	0.0	0.0	0.0
05/06/2023 08:00 AM	0.0	0.0	0.0
05/06/2023 09:00 AM	0.0	0.0	0.0
05/06/2023 10:00 AM	0.0	0.0	0.0
05/06/2023 11:00 AM	0.0	0.0	0.0
05/06/2023 12:00 PM	0.0	0.0	0.0
05/06/2023 01:00 PM	0.0	0.0	0.0
05/06/2023 02:00 PM	0.0	0.0	0.0
05/06/2023 03:00 PM	0.0	0.0	0.0
05/06/2023 04:00 PM	0.0	0.0	0.0
05/06/2023 05:00 PM	0.0	0.0	0.0
05/06/2023 06:00 PM	0.0	0.0	0.0
05/06/2023 07:00 PM	0.0	0.0	0.0
05/06/2023 08:00 PM	0.0	0.0	0.0
05/06/2023 09:00 PM	0.0	0.0	0.0
05/06/2023 10:00 PM	0.0	0.0	0.0
05/06/2023 11:00 PM	0.0	0.0	0.0
05/07/2023 12:00 AM	0.0	0.0	0.0
05/07/2023 01:00 AM	0.0	0.0	0.0
05/07/2023 02:00 AM	0.0	0.0	0.0
05/07/2023 03:00 AM	0.0	0.0	0.0
05/07/2023 04:00 AM	0.0	0.0	0.0
05/07/2023 05:00 AM	0.0	0.0	0.0
05/07/2023 06:00 AM	0.0	0.0	0.0
05/07/2023 07:00 AM	0.0	0.0	0.0
05/07/2023 08:00 AM	0.0	0.0	0.0
05/07/2023 09:00 AM	0.0	0.0	0.0
05/07/2023 10:00 AM	0.0	0.0	0.0
05/07/2023 11:00 AM	0.0	0.0	0.0
05/07/2023 12:00 PM	0.0	0.0	0.0
05/07/2023 01:00 PM	0.0	0.0	0.0
05/07/2023 02:00 PM	0.0	0.0	0.0
05/07/2023 03:00 PM	0.0	0.0	0.0
05/07/2023 04:00 PM	0.0	0.0	0.0
05/07/2023 05:00 PM	0.0	0.0	0.0
05/07/2023 06:00 PM	0.0	0.0	0.0
05/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/07/2023 08:00 PM	0.0	0.0	0.0
05/07/2023 09:00 PM	0.0	0.0	0.0
05/07/2023 10:00 PM	0.0	0.0	0.0
05/07/2023 11:00 PM	0.0	0.0	0.0
05/08/2023 12:00 AM	0.0	0.0	0.0
05/08/2023 01:00 AM	0.0	0.0	0.0
05/08/2023 02:00 AM	0.0	0.0	0.0
05/08/2023 03:00 AM	0.0	0.0	0.0
05/08/2023 04:00 AM	0.0	0.0	0.0
05/08/2023 05:00 AM	0.0	0.0	0.0
05/08/2023 06:00 AM	0.0	0.0	0.0
05/08/2023 07:00 AM	0.0	0.0	0.0
05/08/2023 08:00 AM	0.0	0.0	0.0
05/08/2023 09:00 AM	0.0	0.0	0.0
05/08/2023 10:00 AM	0.0	0.0	0.0
05/08/2023 11:00 AM	0.0	0.0	0.0
05/08/2023 12:00 PM	0.0	0.0	0.0
05/08/2023 01:00 PM	0.0	0.0	0.0
05/08/2023 02:00 PM	0.0	0.0	0.0
05/08/2023 03:00 PM	0.0	0.0	0.0
05/08/2023 04:00 PM	0.0	0.0	0.0
05/08/2023 05:00 PM	0.0	0.0	0.0
05/08/2023 06:00 PM	0.0	0.0	0.0
05/08/2023 07:00 PM	0.0	0.0	0.0
05/08/2023 08:00 PM	0.0	0.0	0.0
05/08/2023 09:00 PM	0.0	0.0	0.0
05/08/2023 10:00 PM	0.0	0.0	0.0
05/08/2023 11:00 PM	0.0	0.0	0.0
05/09/2023 12:00 AM	0.0	0.0	0.0
05/09/2023 01:00 AM	0.0	0.0	0.0
05/09/2023 02:00 AM	0.0	0.0	0.0
05/09/2023 03:00 AM	0.0	0.0	0.0
05/09/2023 04:00 AM	0.0	0.0	0.0
05/09/2023 05:00 AM	0.0	0.0	0.0
05/09/2023 06:00 AM	0.0	0.0	0.0
05/09/2023 07:00 AM	1,920.8	0.0	1,813.2
05/09/2023 08:00 AM	1,892.4	1,804.1	1,837.0
05/09/2023 09:00 AM	1,805.0	1,778.1	1,789.4
05/09/2023 10:00 AM	1,779.9	1,760.7	1,770.4
05/09/2023 11:00 AM	1,765.9	1,746.0	1,756.2
05/09/2023 12:00 PM	1,750.4	1,730.8	1,741.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/09/2023 01:00 PM	1,732.5	1,713.2	1,723.9
05/09/2023 02:00 PM	1,715.8	1,692.7	1,705.8
05/09/2023 03:00 PM	1,698.7	0.0	84.6
05/09/2023 04:00 PM	0.0	0.0	0.0
05/09/2023 05:00 PM	0.0	0.0	0.0
05/09/2023 06:00 PM	0.0	0.0	0.0
05/09/2023 07:00 PM	0.0	0.0	0.0
05/09/2023 08:00 PM	0.0	0.0	0.0
05/09/2023 09:00 PM	0.0	0.0	0.0
05/09/2023 10:00 PM	0.0	0.0	0.0
05/09/2023 11:00 PM	0.0	0.0	0.0
05/10/2023 12:00 AM	0.0	0.0	0.0
05/10/2023 01:00 AM	0.0	0.0	0.0
05/10/2023 02:00 AM	0.0	0.0	0.0
05/10/2023 03:00 AM	0.0	0.0	0.0
05/10/2023 04:00 AM	0.0	0.0	0.0
05/10/2023 05:00 AM	0.0	0.0	0.0
05/10/2023 06:00 AM	0.0	0.0	0.0
05/10/2023 07:00 AM	0.0	0.0	0.0
05/10/2023 08:00 AM	0.0	0.0	0.0
05/10/2023 09:00 AM	0.0	0.0	0.0
05/10/2023 10:00 AM	0.0	0.0	0.0
05/10/2023 11:00 AM	0.0	0.0	0.0
05/10/2023 12:00 PM	0.0	0.0	0.0
05/10/2023 01:00 PM	0.0	0.0	0.0
05/10/2023 02:00 PM	0.0	0.0	0.0
05/10/2023 03:00 PM	0.0	0.0	0.0
05/10/2023 04:00 PM	0.0	0.0	0.0
05/10/2023 05:00 PM	0.0	0.0	0.0
05/10/2023 06:00 PM	0.0	0.0	0.0
05/10/2023 07:00 PM	0.0	0.0	0.0
05/10/2023 08:00 PM	0.0	0.0	0.0
05/10/2023 09:00 PM	0.0	0.0	0.0
05/10/2023 10:00 PM	0.0	0.0	0.0
05/10/2023 11:00 PM	0.0	0.0	0.0
05/11/2023 12:00 AM	0.0	0.0	0.0
05/11/2023 01:00 AM	0.0	0.0	0.0
05/11/2023 02:00 AM	0.0	0.0	0.0
05/11/2023 03:00 AM	0.0	0.0	0.0
05/11/2023 04:00 AM	0.0	0.0	0.0
05/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/11/2023 06:00 AM	0.0	0.0	0.0
05/11/2023 07:00 AM	0.0	0.0	0.0
05/11/2023 08:00 AM	0.0	0.0	0.0
05/11/2023 09:00 AM	0.0	0.0	0.0
05/11/2023 10:00 AM	0.0	0.0	0.0
05/11/2023 11:00 AM	0.0	0.0	0.0
05/11/2023 12:00 PM	0.0	0.0	0.0
05/11/2023 01:00 PM	0.0	0.0	0.0
05/11/2023 02:00 PM	0.0	0.0	0.0
05/11/2023 03:00 PM	0.0	0.0	0.0
05/11/2023 04:00 PM	0.0	0.0	0.0
05/11/2023 05:00 PM	0.0	0.0	0.0
05/11/2023 06:00 PM	0.0	0.0	0.0
05/11/2023 07:00 PM	0.0	0.0	0.0
05/11/2023 08:00 PM	0.0	0.0	0.0
05/11/2023 09:00 PM	0.0	0.0	0.0
05/11/2023 10:00 PM	0.0	0.0	0.0
05/11/2023 11:00 PM	0.0	0.0	0.0
05/12/2023 12:00 AM	0.0	0.0	0.0
05/12/2023 01:00 AM	0.0	0.0	0.0
05/12/2023 02:00 AM	0.0	0.0	0.0
05/12/2023 03:00 AM	0.0	0.0	0.0
05/12/2023 04:00 AM	0.0	0.0	0.0
05/12/2023 05:00 AM	0.0	0.0	0.0
05/12/2023 06:00 AM	0.0	0.0	0.0
05/12/2023 07:00 AM	0.0	0.0	0.0
05/12/2023 08:00 AM	0.0	0.0	0.0
05/12/2023 09:00 AM	0.0	0.0	0.0
05/12/2023 10:00 AM	0.0	0.0	0.0
05/12/2023 11:00 AM	0.0	0.0	0.0
05/12/2023 12:00 PM	0.0	0.0	0.0
05/12/2023 01:00 PM	0.0	0.0	0.0
05/12/2023 02:00 PM	0.0	0.0	0.0
05/12/2023 03:00 PM	0.0	0.0	0.0
05/12/2023 04:00 PM	0.0	0.0	0.0
05/12/2023 05:00 PM	0.0	0.0	0.0
05/12/2023 06:00 PM	0.0	0.0	0.0
05/12/2023 07:00 PM	0.0	0.0	0.0
05/12/2023 08:00 PM	0.0	0.0	0.0
05/12/2023 09:00 PM	0.0	0.0	0.0
05/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/12/2023 11:00 PM	0.0	0.0	0.0
05/13/2023 12:00 AM	0.0	0.0	0.0
05/13/2023 01:00 AM	0.0	0.0	0.0
05/13/2023 02:00 AM	0.0	0.0	0.0
05/13/2023 03:00 AM	0.0	0.0	0.0
05/13/2023 04:00 AM	0.0	0.0	0.0
05/13/2023 05:00 AM	0.0	0.0	0.0
05/13/2023 06:00 AM	0.0	0.0	0.0
05/13/2023 07:00 AM	0.0	0.0	0.0
05/13/2023 08:00 AM	0.0	0.0	0.0
05/13/2023 09:00 AM	0.0	0.0	0.0
05/13/2023 10:00 AM	0.0	0.0	0.0
05/13/2023 11:00 AM	0.0	0.0	0.0
05/13/2023 12:00 PM	0.0	0.0	0.0
05/13/2023 01:00 PM	0.0	0.0	0.0
05/13/2023 02:00 PM	0.0	0.0	0.0
05/13/2023 03:00 PM	0.0	0.0	0.0
05/13/2023 04:00 PM	0.0	0.0	0.0
05/13/2023 05:00 PM	0.0	0.0	0.0
05/13/2023 06:00 PM	0.0	0.0	0.0
05/13/2023 07:00 PM	0.0	0.0	0.0
05/13/2023 08:00 PM	0.0	0.0	0.0
05/13/2023 09:00 PM	0.0	0.0	0.0
05/13/2023 10:00 PM	0.0	0.0	0.0
05/13/2023 11:00 PM	0.0	0.0	0.0
05/14/2023 12:00 AM	0.0	0.0	0.0
05/14/2023 01:00 AM	0.0	0.0	0.0
05/14/2023 02:00 AM	0.0	0.0	0.0
05/14/2023 03:00 AM	0.0	0.0	0.0
05/14/2023 04:00 AM	0.0	0.0	0.0
05/14/2023 05:00 AM	0.0	0.0	0.0
05/14/2023 06:00 AM	0.0	0.0	0.0
05/14/2023 07:00 AM	0.0	0.0	0.0
05/14/2023 08:00 AM	0.0	0.0	0.0
05/14/2023 09:00 AM	0.0	0.0	0.0
05/14/2023 10:00 AM	0.0	0.0	0.0
05/14/2023 11:00 AM	0.0	0.0	0.0
05/14/2023 12:00 PM	0.0	0.0	0.0
05/14/2023 01:00 PM	0.0	0.0	0.0
05/14/2023 02:00 PM	0.0	0.0	0.0
05/14/2023 03:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/14/2023 04:00 PM	0.0	0.0	0.0
05/14/2023 05:00 PM	0.0	0.0	0.0
05/14/2023 06:00 PM	0.0	0.0	0.0
05/14/2023 07:00 PM	0.0	0.0	0.0
05/14/2023 08:00 PM	0.0	0.0	0.0
05/14/2023 09:00 PM	0.0	0.0	0.0
05/14/2023 10:00 PM	0.0	0.0	0.0
05/14/2023 11:00 PM	0.0	0.0	0.0
05/15/2023 12:00 AM	0.0	0.0	0.0
05/15/2023 01:00 AM	0.0	0.0	0.0
05/15/2023 02:00 AM	0.0	0.0	0.0
05/15/2023 03:00 AM	0.0	0.0	0.0
05/15/2023 04:00 AM	0.0	0.0	0.0
05/15/2023 05:00 AM	0.0	0.0	0.0
05/15/2023 06:00 AM	0.0	0.0	0.0
05/15/2023 07:00 AM	0.0	0.0	0.0
05/15/2023 08:00 AM	0.0	0.0	0.0
05/15/2023 09:00 AM	0.0	0.0	0.0
05/15/2023 10:00 AM	0.0	0.0	0.0
05/15/2023 11:00 AM	0.0	0.0	0.0
05/15/2023 12:00 PM	0.0	0.0	0.0
05/15/2023 01:00 PM	0.0	0.0	0.0
05/15/2023 02:00 PM	0.0	0.0	0.0
05/15/2023 03:00 PM	0.0	0.0	0.0
05/15/2023 04:00 PM	0.0	0.0	0.0
05/15/2023 05:00 PM	0.0	0.0	0.0
05/15/2023 06:00 PM	0.0	0.0	0.0
05/15/2023 07:00 PM	0.0	0.0	0.0
05/15/2023 08:00 PM	0.0	0.0	0.0
05/15/2023 09:00 PM	0.0	0.0	0.0
05/15/2023 10:00 PM	0.0	0.0	0.0
05/15/2023 11:00 PM	0.0	0.0	0.0
05/16/2023 12:00 AM	0.0	0.0	0.0
05/16/2023 01:00 AM	0.0	0.0	0.0
05/16/2023 02:00 AM	0.0	0.0	0.0
05/16/2023 03:00 AM	0.0	0.0	0.0
05/16/2023 04:00 AM	0.0	0.0	0.0
05/16/2023 05:00 AM	0.0	0.0	0.0
05/16/2023 06:00 AM	0.0	0.0	0.0
05/16/2023 07:00 AM	1,909.6	0.0	1,795.2
05/16/2023 08:00 AM	1,871.1	1,791.2	1,821.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/16/2023 09:00 AM	1,793.3	1,766.3	1,778.8
05/16/2023 10:00 AM	1,768.7	1,754.5	1,761.5
05/16/2023 11:00 AM	1,756.5	1,740.3	1,750.4
05/16/2023 12:00 PM	1,745.2	1,731.5	1,738.1
05/16/2023 01:00 PM	1,735.1	1,717.1	1,725.4
05/16/2023 02:00 PM	1,723.8	1,695.6	1,709.9
05/16/2023 03:00 PM	1,697.6	0.0	84.9
05/16/2023 04:00 PM	0.0	0.0	0.0
05/16/2023 05:00 PM	0.0	0.0	0.0
05/16/2023 06:00 PM	0.0	0.0	0.0
05/16/2023 07:00 PM	0.0	0.0	0.0
05/16/2023 08:00 PM	0.0	0.0	0.0
05/16/2023 09:00 PM	0.0	0.0	0.0
05/16/2023 10:00 PM	0.0	0.0	0.0
05/16/2023 11:00 PM	0.0	0.0	0.0
05/17/2023 12:00 AM	0.0	0.0	0.0
05/17/2023 01:00 AM	0.0	0.0	0.0
05/17/2023 02:00 AM	0.0	0.0	0.0
05/17/2023 03:00 AM	0.0	0.0	0.0
05/17/2023 04:00 AM	0.0	0.0	0.0
05/17/2023 05:00 AM	0.0	0.0	0.0
05/17/2023 06:00 AM	0.0	0.0	0.0
05/17/2023 07:00 AM	0.0	0.0	0.0
05/17/2023 08:00 AM	0.0	0.0	0.0
05/17/2023 09:00 AM	0.0	0.0	0.0
05/17/2023 10:00 AM	0.0	0.0	0.0
05/17/2023 11:00 AM	0.0	0.0	0.0
05/17/2023 12:00 PM	0.0	0.0	0.0
05/17/2023 01:00 PM	0.0	0.0	0.0
05/17/2023 02:00 PM	0.0	0.0	0.0
05/17/2023 03:00 PM	0.0	0.0	0.0
05/17/2023 04:00 PM	0.0	0.0	0.0
05/17/2023 05:00 PM	0.0	0.0	0.0
05/17/2023 06:00 PM	0.0	0.0	0.0
05/17/2023 07:00 PM	0.0	0.0	0.0
05/17/2023 08:00 PM	0.0	0.0	0.0
05/17/2023 09:00 PM	0.0	0.0	0.0
05/17/2023 10:00 PM	0.0	0.0	0.0
05/17/2023 11:00 PM	0.0	0.0	0.0
05/18/2023 12:00 AM	0.0	0.0	0.0
05/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/18/2023 02:00 AM	0.0	0.0	0.0
05/18/2023 03:00 AM	0.0	0.0	0.0
05/18/2023 04:00 AM	0.0	0.0	0.0
05/18/2023 05:00 AM	0.0	0.0	0.0
05/18/2023 06:00 AM	0.0	0.0	0.0
05/18/2023 07:00 AM	0.0	0.0	0.0
05/18/2023 08:00 AM	0.0	0.0	0.0
05/18/2023 09:00 AM	0.0	0.0	0.0
05/18/2023 10:00 AM	0.0	0.0	0.0
05/18/2023 11:00 AM	0.0	0.0	0.0
05/18/2023 12:00 PM	0.0	0.0	0.0
05/18/2023 01:00 PM	0.0	0.0	0.0
05/18/2023 02:00 PM	0.0	0.0	0.0
05/18/2023 03:00 PM	0.0	0.0	0.0
05/18/2023 04:00 PM	0.0	0.0	0.0
05/18/2023 05:00 PM	0.0	0.0	0.0
05/18/2023 06:00 PM	0.0	0.0	0.0
05/18/2023 07:00 PM	0.0	0.0	0.0
05/18/2023 08:00 PM	0.0	0.0	0.0
05/18/2023 09:00 PM	0.0	0.0	0.0
05/18/2023 10:00 PM	0.0	0.0	0.0
05/18/2023 11:00 PM	0.0	0.0	0.0
05/19/2023 12:00 AM	0.0	0.0	0.0
05/19/2023 01:00 AM	0.0	0.0	0.0
05/19/2023 02:00 AM	0.0	0.0	0.0
05/19/2023 03:00 AM	0.0	0.0	0.0
05/19/2023 04:00 AM	0.0	0.0	0.0
05/19/2023 05:00 AM	0.0	0.0	0.0
05/19/2023 06:00 AM	0.0	0.0	0.0
05/19/2023 07:00 AM	0.0	0.0	0.0
05/19/2023 08:00 AM	0.0	0.0	0.0
05/19/2023 09:00 AM	0.0	0.0	0.0
05/19/2023 10:00 AM	0.0	0.0	0.0
05/19/2023 11:00 AM	0.0	0.0	0.0
05/19/2023 12:00 PM	0.0	0.0	0.0
05/19/2023 01:00 PM	0.0	0.0	0.0
05/19/2023 02:00 PM	0.0	0.0	0.0
05/19/2023 03:00 PM	0.0	0.0	0.0
05/19/2023 04:00 PM	0.0	0.0	0.0
05/19/2023 05:00 PM	0.0	0.0	0.0
05/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/19/2023 07:00 PM	0.0	0.0	0.0
05/19/2023 08:00 PM	0.0	0.0	0.0
05/19/2023 09:00 PM	0.0	0.0	0.0
05/19/2023 10:00 PM	0.0	0.0	0.0
05/19/2023 11:00 PM	0.0	0.0	0.0
05/20/2023 12:00 AM	0.0	0.0	0.0
05/20/2023 01:00 AM	0.0	0.0	0.0
05/20/2023 02:00 AM	0.0	0.0	0.0
05/20/2023 03:00 AM	0.0	0.0	0.0
05/20/2023 04:00 AM	0.0	0.0	0.0
05/20/2023 05:00 AM	0.0	0.0	0.0
05/20/2023 06:00 AM	0.0	0.0	0.0
05/20/2023 07:00 AM	0.0	0.0	0.0
05/20/2023 08:00 AM	0.0	0.0	0.0
05/20/2023 09:00 AM	0.0	0.0	0.0
05/20/2023 10:00 AM	0.0	0.0	0.0
05/20/2023 11:00 AM	0.0	0.0	0.0
05/20/2023 12:00 PM	0.0	0.0	0.0
05/20/2023 01:00 PM	0.0	0.0	0.0
05/20/2023 02:00 PM	0.0	0.0	0.0
05/20/2023 03:00 PM	0.0	0.0	0.0
05/20/2023 04:00 PM	0.0	0.0	0.0
05/20/2023 05:00 PM	0.0	0.0	0.0
05/20/2023 06:00 PM	0.0	0.0	0.0
05/20/2023 07:00 PM	0.0	0.0	0.0
05/20/2023 08:00 PM	0.0	0.0	0.0
05/20/2023 09:00 PM	0.0	0.0	0.0
05/20/2023 10:00 PM	0.0	0.0	0.0
05/20/2023 11:00 PM	0.0	0.0	0.0
05/21/2023 12:00 AM	0.0	0.0	0.0
05/21/2023 01:00 AM	0.0	0.0	0.0
05/21/2023 02:00 AM	0.0	0.0	0.0
05/21/2023 03:00 AM	0.0	0.0	0.0
05/21/2023 04:00 AM	0.0	0.0	0.0
05/21/2023 05:00 AM	0.0	0.0	0.0
05/21/2023 06:00 AM	0.0	0.0	0.0
05/21/2023 07:00 AM	0.0	0.0	0.0
05/21/2023 08:00 AM	0.0	0.0	0.0
05/21/2023 09:00 AM	0.0	0.0	0.0
05/21/2023 10:00 AM	0.0	0.0	0.0
05/21/2023 11:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/21/2023 12:00 PM	0.0	0.0	0.0
05/21/2023 01:00 PM	0.0	0.0	0.0
05/21/2023 02:00 PM	0.0	0.0	0.0
05/21/2023 03:00 PM	0.0	0.0	0.0
05/21/2023 04:00 PM	0.0	0.0	0.0
05/21/2023 05:00 PM	0.0	0.0	0.0
05/21/2023 06:00 PM	0.0	0.0	0.0
05/21/2023 07:00 PM	0.0	0.0	0.0
05/21/2023 08:00 PM	0.0	0.0	0.0
05/21/2023 09:00 PM	0.0	0.0	0.0
05/21/2023 10:00 PM	0.0	0.0	0.0
05/21/2023 11:00 PM	0.0	0.0	0.0
05/22/2023 12:00 AM	0.0	0.0	0.0
05/22/2023 01:00 AM	0.0	0.0	0.0
05/22/2023 02:00 AM	0.0	0.0	0.0
05/22/2023 03:00 AM	0.0	0.0	0.0
05/22/2023 04:00 AM	0.0	0.0	0.0
05/22/2023 05:00 AM	0.0	0.0	0.0
05/22/2023 06:00 AM	0.0	0.0	0.0
05/22/2023 07:00 AM	0.0	0.0	0.0
05/22/2023 08:00 AM	0.0	0.0	0.0
05/22/2023 09:00 AM	0.0	0.0	0.0
05/22/2023 10:00 AM	0.0	0.0	0.0
05/22/2023 11:00 AM	0.0	0.0	0.0
05/22/2023 12:00 PM	0.0	0.0	0.0
05/22/2023 01:00 PM	0.0	0.0	0.0
05/22/2023 02:00 PM	0.0	0.0	0.0
05/22/2023 03:00 PM	0.0	0.0	0.0
05/22/2023 04:00 PM	0.0	0.0	0.0
05/22/2023 05:00 PM	0.0	0.0	0.0
05/22/2023 06:00 PM	0.0	0.0	0.0
05/22/2023 07:00 PM	0.0	0.0	0.0
05/22/2023 08:00 PM	0.0	0.0	0.0
05/22/2023 09:00 PM	0.0	0.0	0.0
05/22/2023 10:00 PM	0.0	0.0	0.0
05/22/2023 11:00 PM	0.0	0.0	0.0
05/23/2023 12:00 AM	0.0	0.0	0.0
05/23/2023 01:00 AM	0.0	0.0	0.0
05/23/2023 02:00 AM	0.0	0.0	0.0
05/23/2023 03:00 AM	0.0	0.0	0.0
05/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/23/2023 05:00 AM	0.0	0.0	0.0
05/23/2023 06:00 AM	0.0	0.0	0.0
05/23/2023 07:00 AM	1,971.5	0.0	1,802.3
05/23/2023 08:00 AM	1,869.4	1,798.4	1,825.7
05/23/2023 09:00 AM	1,798.7	1,769.3	1,779.8
05/23/2023 10:00 AM	1,771.2	1,756.4	1,765.1
05/23/2023 11:00 AM	1,761.9	1,748.2	1,754.7
05/23/2023 12:00 PM	1,751.1	1,732.2	1,742.6
05/23/2023 01:00 PM	1,739.7	1,718.9	1,730.2
05/23/2023 02:00 PM	1,726.3	1,705.5	1,715.7
05/23/2023 03:00 PM	1,705.5	0.0	85.3
05/23/2023 04:00 PM	0.0	0.0	0.0
05/23/2023 05:00 PM	0.0	0.0	0.0
05/23/2023 06:00 PM	0.0	0.0	0.0
05/23/2023 07:00 PM	0.0	0.0	0.0
05/23/2023 08:00 PM	0.0	0.0	0.0
05/23/2023 09:00 PM	0.0	0.0	0.0
05/23/2023 10:00 PM	0.0	0.0	0.0
05/23/2023 11:00 PM	0.0	0.0	0.0
05/24/2023 12:00 AM	0.0	0.0	0.0
05/24/2023 01:00 AM	0.0	0.0	0.0
05/24/2023 02:00 AM	0.0	0.0	0.0
05/24/2023 03:00 AM	0.0	0.0	0.0
05/24/2023 04:00 AM	0.0	0.0	0.0
05/24/2023 05:00 AM	0.0	0.0	0.0
05/24/2023 06:00 AM	0.0	0.0	0.0
05/24/2023 07:00 AM	0.0	0.0	0.0
05/24/2023 08:00 AM	0.0	0.0	0.0
05/24/2023 09:00 AM	0.0	0.0	0.0
05/24/2023 10:00 AM	0.0	0.0	0.0
05/24/2023 11:00 AM	0.0	0.0	0.0
05/24/2023 12:00 PM	0.0	0.0	0.0
05/24/2023 01:00 PM	0.0	0.0	0.0
05/24/2023 02:00 PM	0.0	0.0	0.0
05/24/2023 03:00 PM	0.0	0.0	0.0
05/24/2023 04:00 PM	0.0	0.0	0.0
05/24/2023 05:00 PM	0.0	0.0	0.0
05/24/2023 06:00 PM	0.0	0.0	0.0
05/24/2023 07:00 PM	0.0	0.0	0.0
05/24/2023 08:00 PM	0.0	0.0	0.0
05/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/24/2023 10:00 PM	0.0	0.0	0.0
05/24/2023 11:00 PM	0.0	0.0	0.0
05/25/2023 12:00 AM	0.0	0.0	0.0
05/25/2023 01:00 AM	0.0	0.0	0.0
05/25/2023 02:00 AM	0.0	0.0	0.0
05/25/2023 03:00 AM	0.0	0.0	0.0
05/25/2023 04:00 AM	0.0	0.0	0.0
05/25/2023 05:00 AM	0.0	0.0	0.0
05/25/2023 06:00 AM	0.0	0.0	0.0
05/25/2023 07:00 AM	0.0	0.0	0.0
05/25/2023 08:00 AM	0.0	0.0	0.0
05/25/2023 09:00 AM	0.0	0.0	0.0
05/25/2023 10:00 AM	0.0	0.0	0.0
05/25/2023 11:00 AM	0.0	0.0	0.0
05/25/2023 12:00 PM	0.0	0.0	0.0
05/25/2023 01:00 PM	0.0	0.0	0.0
05/25/2023 02:00 PM	0.0	0.0	0.0
05/25/2023 03:00 PM	0.0	0.0	0.0
05/25/2023 04:00 PM	0.0	0.0	0.0
05/25/2023 05:00 PM	0.0	0.0	0.0
05/25/2023 06:00 PM	0.0	0.0	0.0
05/25/2023 07:00 PM	0.0	0.0	0.0
05/25/2023 08:00 PM	0.0	0.0	0.0
05/25/2023 09:00 PM	0.0	0.0	0.0
05/25/2023 10:00 PM	0.0	0.0	0.0
05/25/2023 11:00 PM	0.0	0.0	0.0
05/26/2023 12:00 AM	0.0	0.0	0.0
05/26/2023 01:00 AM	0.0	0.0	0.0
05/26/2023 02:00 AM	0.0	0.0	0.0
05/26/2023 03:00 AM	0.0	0.0	0.0
05/26/2023 04:00 AM	0.0	0.0	0.0
05/26/2023 05:00 AM	0.0	0.0	0.0
05/26/2023 06:00 AM	0.0	0.0	0.0
05/26/2023 07:00 AM	0.0	0.0	0.0
05/26/2023 08:00 AM	0.0	0.0	0.0
05/26/2023 09:00 AM	0.0	0.0	0.0
05/26/2023 10:00 AM	0.0	0.0	0.0
05/26/2023 11:00 AM	0.0	0.0	0.0
05/26/2023 12:00 PM	0.0	0.0	0.0
05/26/2023 01:00 PM	0.0	0.0	0.0
05/26/2023 02:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/26/2023 03:00 PM	0.0	0.0	0.0
05/26/2023 04:00 PM	0.0	0.0	0.0
05/26/2023 05:00 PM	0.0	0.0	0.0
05/26/2023 06:00 PM	0.0	0.0	0.0
05/26/2023 07:00 PM	0.0	0.0	0.0
05/26/2023 08:00 PM	0.0	0.0	0.0
05/26/2023 09:00 PM	0.0	0.0	0.0
05/26/2023 10:00 PM	0.0	0.0	0.0
05/26/2023 11:00 PM	0.0	0.0	0.0
05/27/2023 12:00 AM	0.0	0.0	0.0
05/27/2023 01:00 AM	0.0	0.0	0.0
05/27/2023 02:00 AM	0.0	0.0	0.0
05/27/2023 03:00 AM	0.0	0.0	0.0
05/27/2023 04:00 AM	0.0	0.0	0.0
05/27/2023 05:00 AM	0.0	0.0	0.0
05/27/2023 06:00 AM	0.0	0.0	0.0
05/27/2023 07:00 AM	0.0	0.0	0.0
05/27/2023 08:00 AM	0.0	0.0	0.0
05/27/2023 09:00 AM	0.0	0.0	0.0
05/27/2023 10:00 AM	0.0	0.0	0.0
05/27/2023 11:00 AM	0.0	0.0	0.0
05/27/2023 12:00 PM	0.0	0.0	0.0
05/27/2023 01:00 PM	0.0	0.0	0.0
05/27/2023 02:00 PM	0.0	0.0	0.0
05/27/2023 03:00 PM	0.0	0.0	0.0
05/27/2023 04:00 PM	0.0	0.0	0.0
05/27/2023 05:00 PM	0.0	0.0	0.0
05/27/2023 06:00 PM	0.0	0.0	0.0
05/27/2023 07:00 PM	0.0	0.0	0.0
05/27/2023 08:00 PM	0.0	0.0	0.0
05/27/2023 09:00 PM	0.0	0.0	0.0
05/27/2023 10:00 PM	0.0	0.0	0.0
05/27/2023 11:00 PM	0.0	0.0	0.0
05/28/2023 12:00 AM	0.0	0.0	0.0
05/28/2023 01:00 AM	0.0	0.0	0.0
05/28/2023 02:00 AM	0.0	0.0	0.0
05/28/2023 03:00 AM	0.0	0.0	0.0
05/28/2023 04:00 AM	0.0	0.0	0.0
05/28/2023 05:00 AM	0.0	0.0	0.0
05/28/2023 06:00 AM	0.0	0.0	0.0
05/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/28/2023 08:00 AM	0.0	0.0	0.0
05/28/2023 09:00 AM	0.0	0.0	0.0
05/28/2023 10:00 AM	0.0	0.0	0.0
05/28/2023 11:00 AM	0.0	0.0	0.0
05/28/2023 12:00 PM	0.0	0.0	0.0
05/28/2023 01:00 PM	0.0	0.0	0.0
05/28/2023 02:00 PM	0.0	0.0	0.0
05/28/2023 03:00 PM	0.0	0.0	0.0
05/28/2023 04:00 PM	0.0	0.0	0.0
05/28/2023 05:00 PM	0.0	0.0	0.0
05/28/2023 06:00 PM	0.0	0.0	0.0
05/28/2023 07:00 PM	0.0	0.0	0.0
05/28/2023 08:00 PM	0.0	0.0	0.0
05/28/2023 09:00 PM	0.0	0.0	0.0
05/28/2023 10:00 PM	0.0	0.0	0.0
05/28/2023 11:00 PM	0.0	0.0	0.0
05/29/2023 12:00 AM	0.0	0.0	0.0
05/29/2023 01:00 AM	0.0	0.0	0.0
05/29/2023 02:00 AM	0.0	0.0	0.0
05/29/2023 03:00 AM	0.0	0.0	0.0
05/29/2023 04:00 AM	0.0	0.0	0.0
05/29/2023 05:00 AM	0.0	0.0	0.0
05/29/2023 06:00 AM	0.0	0.0	0.0
05/29/2023 07:00 AM	0.0	0.0	0.0
05/29/2023 08:00 AM	0.0	0.0	0.0
05/29/2023 09:00 AM	0.0	0.0	0.0
05/29/2023 10:00 AM	0.0	0.0	0.0
05/29/2023 11:00 AM	0.0	0.0	0.0
05/29/2023 12:00 PM	0.0	0.0	0.0
05/29/2023 01:00 PM	0.0	0.0	0.0
05/29/2023 02:00 PM	0.0	0.0	0.0
05/29/2023 03:00 PM	0.0	0.0	0.0
05/29/2023 04:00 PM	0.0	0.0	0.0
05/29/2023 05:00 PM	0.0	0.0	0.0
05/29/2023 06:00 PM	0.0	0.0	0.0
05/29/2023 07:00 PM	0.0	0.0	0.0
05/29/2023 08:00 PM	0.0	0.0	0.0
05/29/2023 09:00 PM	0.0	0.0	0.0
05/29/2023 10:00 PM	0.0	0.0	0.0
05/29/2023 11:00 PM	0.0	0.0	0.0
05/30/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/30/2023 01:00 AM	0.0	0.0	0.0
05/30/2023 02:00 AM	0.0	0.0	0.0
05/30/2023 03:00 AM	0.0	0.0	0.0
05/30/2023 04:00 AM	0.0	0.0	0.0
05/30/2023 05:00 AM	0.0	0.0	0.0
05/30/2023 06:00 AM	0.0	0.0	0.0
05/30/2023 07:00 AM	1,876.4	0.0	1,767.1
05/30/2023 08:00 AM	1,844.5	1,778.3	1,804.2
05/30/2023 09:00 AM	1,778.3	1,749.9	1,763.5
05/30/2023 10:00 AM	1,753.4	1,737.2	1,744.6
05/30/2023 11:00 AM	1,741.3	1,726.4	1,732.5
05/30/2023 12:00 PM	1,727.7	1,715.0	1,722.0
05/30/2023 01:00 PM	1,719.1	1,699.1	1,709.3
05/30/2023 02:00 PM	1,707.8	1,683.7	1,696.6
05/30/2023 03:00 PM	1,687.7	0.0	84.3
05/30/2023 04:00 PM	0.0	0.0	0.0
05/30/2023 05:00 PM	0.0	0.0	0.0
05/30/2023 06:00 PM	0.0	0.0	0.0
05/30/2023 07:00 PM	0.0	0.0	0.0
05/30/2023 08:00 PM	0.0	0.0	0.0
05/30/2023 09:00 PM	0.0	0.0	0.0
05/30/2023 10:00 PM	0.0	0.0	0.0
05/30/2023 11:00 PM	0.0	0.0	0.0
05/31/2023 12:00 AM	0.0	0.0	0.0
05/31/2023 01:00 AM	0.0	0.0	0.0
05/31/2023 02:00 AM	0.0	0.0	0.0
05/31/2023 03:00 AM	0.0	0.0	0.0
05/31/2023 04:00 AM	0.0	0.0	0.0
05/31/2023 05:00 AM	0.0	0.0	0.0
05/31/2023 06:00 AM	0.0	0.0	0.0
05/31/2023 07:00 AM	0.0	0.0	0.0
05/31/2023 08:00 AM	0.0	0.0	0.0
05/31/2023 09:00 AM	0.0	0.0	0.0
05/31/2023 10:00 AM	0.0	0.0	0.0
05/31/2023 11:00 AM	0.0	0.0	0.0
05/31/2023 12:00 PM	0.0	0.0	0.0
05/31/2023 01:00 PM	0.0	0.0	0.0
05/31/2023 02:00 PM	0.0	0.0	0.0
05/31/2023 03:00 PM	0.0	0.0	0.0
05/31/2023 04:00 PM	0.0	0.0	0.0
05/31/2023 05:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
May 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
05/31/2023 06:00 PM	0.0	0.0	0.0
05/31/2023 07:00 PM	0.0	0.0	0.0
05/31/2023 08:00 PM	0.0	0.0	0.0
05/31/2023 09:00 PM	0.0	0.0	0.0
05/31/2023 10:00 PM	0.0	0.0	0.0
05/31/2023 11:00 PM	0.0	0.0	0.0

June 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
June 2023

Date	Raw Water	Finished Water
06/01/2023	347,839	339,366
06/02/2023	347,233	343,571
06/03/2023	342,537	339,668
06/04/2023	345,412	338,089
06/05/2023	346,755	330,696
06/06/2023	383,046	383,592
06/07/2023	350,075	334,158
06/08/2023	348,756	341,012
06/09/2023	347,200	339,853
06/10/2023	344,023	339,350
06/11/2023	343,282	339,206
06/12/2023	341,958	333,630
06/13/2023	386,893	379,494
06/14/2023	347,477	336,048
06/15/2023	384,060	370,829
06/16/2023	344,782	339,933
06/17/2023	342,496	339,820
06/18/2023	343,008	335,146
06/19/2023	348,345	335,007
06/20/2023	382,691	373,386
06/21/2023	347,451	339,069
06/22/2023	370,992	369,839
06/23/2023	344,113	336,130
06/24/2023	346,988	335,272
06/25/2023	347,172	336,921
06/26/2023	332,556	322,950
06/27/2023	372,336	364,135
06/28/2023	343,621	344,922
06/29/2023	384,406	370,475
06/30/2023	342,241	332,173
Totals:	**10,599,744**	**10,363,737**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
June 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
06/01/2023	8.1	6.8	7.5	8.6
06/02/2023	8.3	6.5	7.8	8.5
06/03/2023	8.6	6.1	7.5	8.7
06/04/2023	7.8	7.0	7.4	8.7
06/05/2023	7.1	7.7	7.2	8.5
06/06/2023	8.0	8.4	7.5	10.7
06/07/2023	7.0	8.0	7.3	8.6
06/08/2023	7.8	7.1	7.2	9.0
06/09/2023	7.1	7.7	7.2	8.9
06/10/2023	7.8	6.9	7.2	9.0
06/11/2023	7.7	7.0	7.2	8.9
06/12/2023	6.4	8.2	7.2	8.6
06/13/2023	7.2	9.3	8.2	9.8
06/14/2023	7.1	7.7	7.4	8.6
06/15/2023	8.7	7.7	9.8	7.8
06/16/2023	7.7	7.1	7.4	8.8
06/17/2023	7.7	6.9	7.4	8.8
06/18/2023	7.6	7.1	7.2	8.8
06/19/2023	7.9	7.0	7.2	8.7
06/20/2023	8.4	7.9	6.0	11.8
06/21/2023	7.7	7.2	7.2	9.0
06/22/2023	8.3	7.5	7.6	10.0
06/23/2023	7.6	7.1	7.2	8.8
06/24/2023	8.2	6.7	7.2	8.7
06/25/2023	8.1	6.8	7.3	8.8
06/26/2023	8.0	6.2	7.2	8.2
06/27/2023	7.9	8.0	9.0	8.2
06/28/2023	7.1	7.6	8.4	8.0
06/29/2023	8.5	7.9	9.0	8.6
06/30/2023	6.3	8.4	8.1	7.7
Totals:	**231.6**	**221.3**	**226.9**	**266.0**
	452.9		**492.9**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
June 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
06/01/2023	0.0	14.9	0.0	16.2
06/02/2023	0.0	14.9	0.0	16.4
06/03/2023	0.0	14.7	0.0	16.2
06/04/2023	0.0	14.9	0.0	16.1
06/05/2023	0.0	14.9	0.0	15.8
06/06/2023	0.0	16.4	0.0	18.3
06/07/2023	0.0	15.0	0.0	16.0
06/08/2023	0.0	15.0	0.0	16.3
06/09/2023	0.0	14.9	0.0	16.2
06/10/2023	0.0	14.8	0.0	16.2
06/11/2023	0.0	14.7	0.0	16.2
06/12/2023	0.0	14.7	0.0	15.9
06/13/2023	0.0	16.6	0.0	18.1
06/14/2023	0.0	14.9	0.0	16.0
06/15/2023	0.0	16.5	0.0	17.6
06/16/2023	0.0	14.8	0.0	16.2
06/17/2023	0.0	14.7	0.0	16.2
06/18/2023	0.0	14.7	0.0	16.0
06/19/2023	0.0	15.0	0.0	16.0
06/20/2023	0.0	16.4	0.0	17.8
06/21/2023	0.0	14.9	0.0	16.2
06/22/2023	0.0	15.9	0.0	17.6
06/23/2023	0.0	14.8	0.0	16.0
06/24/2023	0.0	14.9	0.0	16.0
06/25/2023	0.0	14.9	0.0	16.1
06/26/2023	0.0	14.3	0.0	15.4
06/27/2023	0.0	16.0	0.0	17.3
06/28/2023	0.0	14.8	0.0	16.4
06/29/2023	0.0	16.5	0.0	17.6
06/30/2023	0.0	14.7	0.0	15.8
Totals:	**0.0**	**455.1**	**0.0**	**494.2**
	455.1		**494.2**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
June 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
06/01/2023	0.0	0	24.0	339,235
06/02/2023	0.0	0	24.0	339,257
06/03/2023	0.0	0	24.0	339,251
06/04/2023	0.0	0	24.0	339,226
06/05/2023	0.0	0	24.0	339,153
06/06/2023	8.0	40,493	24.0	339,037
06/07/2023	0.0	0	24.0	339,028
06/08/2023	0.0	0	24.0	339,229
06/09/2023	0.0	0	24.0	339,236
06/10/2023	0.0	0	24.0	339,222
06/11/2023	0.0	0	24.0	339,246
06/12/2023	0.0	0	24.0	339,247
06/13/2023	8.0	40,524	24.0	339,274
06/14/2023	0.0	0	24.0	339,291
06/15/2023	6.0	30,435	24.0	339,321
06/16/2023	0.0	0	24.0	339,320
06/17/2023	0.0	0	24.0	339,330
06/18/2023	0.0	0	24.0	339,348
06/19/2023	0.0	0	24.0	339,344
06/20/2023	6.0	30,375	24.0	339,341
06/21/2023	0.0	0	24.0	339,336
06/22/2023	6.0	30,474	24.0	339,337
06/23/2023	0.0	0	24.0	339,356
06/24/2023	0.0	0	24.0	339,375
06/25/2023	0.0	0	24.0	339,408
06/26/2023	0.0	0	24.0	321,779
06/27/2023	6.0	30,384	24.0	337,658
06/28/2023	0.0	0	24.0	339,358
06/29/2023	6.0	30,259	24.0	339,346
06/30/2023	0.0	0	24.0	339,367
Totals:	**46.0**	**232,944**	**720.0**	**10,159,254**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/01/2023 12:00 AM	0.0	198.9	280.1	222.4
06/01/2023 01:00 AM	0.0	198.9	280.0	222.4
06/01/2023 02:00 AM	0.0	198.9	280.1	222.4
06/01/2023 03:00 AM	0.0	198.9	280.0	222.4
06/01/2023 04:00 AM	0.0	198.8	280.0	222.4
06/01/2023 05:00 AM	0.0	198.9	280.0	222.4
06/01/2023 06:00 AM	0.0	198.9	280.1	222.4
06/01/2023 07:00 AM	0.0	198.9	280.1	222.4
06/01/2023 08:00 AM	0.0	198.9	280.1	222.4
06/01/2023 09:00 AM	0.0	199.0	280.2	222.4
06/01/2023 10:00 AM	0.0	199.0	280.2	222.4
06/01/2023 11:00 AM	0.0	199.0	280.2	222.4
06/01/2023 12:00 PM	0.0	199.1	280.2	222.4
06/01/2023 01:00 PM	0.0	199.1	280.3	222.4
06/01/2023 02:00 PM	0.0	199.1	280.3	222.4
06/01/2023 03:00 PM	0.0	199.1	280.2	222.4
06/01/2023 04:00 PM	0.0	199.0	280.2	222.4
06/01/2023 05:00 PM	0.0	199.0	280.2	222.4
06/01/2023 06:00 PM	0.0	199.0	280.2	222.4
06/01/2023 07:00 PM	0.0	199.0	280.2	222.4
06/01/2023 08:00 PM	0.0	199.0	280.2	222.4
06/01/2023 09:00 PM	0.0	199.0	280.1	222.4
06/01/2023 10:00 PM	0.0	199.0	280.2	222.4
06/01/2023 11:00 PM	0.0	199.0	280.2	222.4
06/02/2023 12:00 AM	0.0	199.0	280.2	222.4
06/02/2023 01:00 AM	0.0	199.0	280.2	222.4
06/02/2023 02:00 AM	0.0	199.1	280.2	222.4
06/02/2023 03:00 AM	0.0	199.1	280.3	222.4
06/02/2023 04:00 AM	0.0	199.2	280.3	222.4
06/02/2023 05:00 AM	0.0	199.3	280.3	222.4
06/02/2023 06:00 AM	0.0	199.3	280.4	222.4
06/02/2023 07:00 AM	0.0	199.4	280.4	222.4
06/02/2023 08:00 AM	0.0	199.4	280.4	222.4
06/02/2023 09:00 AM	0.0	199.4	280.5	222.4
06/02/2023 10:00 AM	0.0	199.4	280.5	222.4
06/02/2023 11:00 AM	0.0	199.4	280.5	222.4
06/02/2023 12:00 PM	0.0	199.3	280.5	222.4
06/02/2023 01:00 PM	0.0	199.3	280.4	222.4
06/02/2023 02:00 PM	0.0	199.2	280.5	222.4
06/02/2023 03:00 PM	0.0	199.2	280.4	222.4
06/02/2023 04:00 PM	0.0	199.1	280.4	222.4
06/02/2023 05:00 PM	0.0	199.1	280.4	222.4
06/02/2023 06:00 PM	0.0	199.1	280.3	222.4
06/02/2023 07:00 PM	0.0	199.1	280.3	222.4
06/02/2023 08:00 PM	0.0	199.0	280.3	222.4
06/02/2023 09:00 PM	0.0	199.1	280.3	222.4
06/02/2023 10:00 PM	0.0	199.1	280.3	222.4
06/02/2023 11:00 PM	0.0	199.1	280.3	222.4
06/03/2023 12:00 AM	0.0	199.1	280.3	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/03/2023 01:00 AM	0.0	199.0	280.3	222.4
06/03/2023 02:00 AM	0.0	199.0	280.3	222.4
06/03/2023 03:00 AM	0.0	199.0	280.3	222.4
06/03/2023 04:00 AM	0.0	199.0	280.2	222.4
06/03/2023 05:00 AM	0.0	199.0	280.2	222.4
06/03/2023 06:00 AM	0.0	199.0	280.3	222.4
06/03/2023 07:00 AM	0.0	199.0	280.2	222.4
06/03/2023 08:00 AM	0.0	199.0	280.3	222.4
06/03/2023 09:00 AM	0.0	199.1	280.3	222.4
06/03/2023 10:00 AM	0.0	199.1	280.3	222.4
06/03/2023 11:00 AM	0.0	199.1	280.4	222.4
06/03/2023 12:00 PM	0.0	199.1	280.4	222.4
06/03/2023 01:00 PM	0.0	199.1	280.4	222.4
06/03/2023 02:00 PM	0.0	199.0	280.4	222.4
06/03/2023 03:00 PM	0.0	199.0	280.4	222.4
06/03/2023 04:00 PM	0.0	199.0	280.4	222.4
06/03/2023 05:00 PM	0.0	199.0	280.4	222.4
06/03/2023 06:00 PM	0.0	198.9	280.3	222.4
06/03/2023 07:00 PM	0.0	198.9	280.3	222.4
06/03/2023 08:00 PM	0.0	198.9	280.2	222.4
06/03/2023 09:00 PM	0.0	198.9	280.2	222.4
06/03/2023 10:00 PM	0.0	199.0	280.3	222.4
06/03/2023 11:00 PM	0.0	199.0	280.2	222.4
06/04/2023 12:00 AM	0.0	199.0	280.2	222.4
06/04/2023 01:00 AM	0.0	199.0	280.3	222.4
06/04/2023 02:00 AM	0.0	199.0	280.2	222.4
06/04/2023 03:00 AM	0.0	199.0	280.2	222.4
06/04/2023 04:00 AM	0.0	199.0	280.3	222.4
06/04/2023 05:00 AM	0.0	199.0	280.2	222.4
06/04/2023 06:00 AM	0.0	199.0	280.3	222.4
06/04/2023 07:00 AM	0.0	199.0	280.2	222.4
06/04/2023 08:00 AM	0.0	199.0	280.3	222.4
06/04/2023 09:00 AM	0.0	199.0	280.3	222.4
06/04/2023 10:00 AM	0.0	199.0	280.3	222.4
06/04/2023 11:00 AM	0.0	199.0	280.4	222.4
06/04/2023 12:00 PM	0.0	199.0	280.4	222.4
06/04/2023 01:00 PM	0.0	199.0	280.4	222.4
06/04/2023 02:00 PM	0.0	199.0	280.3	222.4
06/04/2023 03:00 PM	0.0	199.0	280.3	222.4
06/04/2023 04:00 PM	0.0	199.0	280.4	222.4
06/04/2023 05:00 PM	0.0	198.9	280.3	222.4
06/04/2023 06:00 PM	0.0	198.9	280.3	222.4
06/04/2023 07:00 PM	0.0	198.9	280.2	222.4
06/04/2023 08:00 PM	0.0	198.9	280.2	222.4
06/04/2023 09:00 PM	0.0	198.9	280.2	222.4
06/04/2023 10:00 PM	0.0	198.9	280.2	222.4
06/04/2023 11:00 PM	0.0	198.9	280.2	222.4
06/05/2023 12:00 AM	0.0	198.9	280.2	222.4
06/05/2023 01:00 AM	0.0	199.0	280.2	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/05/2023 02:00 AM	0.0	199.1	280.3	222.4
06/05/2023 03:00 AM	0.0	199.1	280.3	222.4
06/05/2023 04:00 AM	0.0	199.2	280.3	222.4
06/05/2023 05:00 AM	0.0	199.2	280.4	222.4
06/05/2023 06:00 AM	0.0	199.3	280.4	222.4
06/05/2023 07:00 AM	0.0	199.3	280.4	222.4
06/05/2023 08:00 AM	0.0	199.4	280.4	222.4
06/05/2023 09:00 AM	0.0	199.4	280.5	222.4
06/05/2023 10:00 AM	0.0	199.4	280.5	222.4
06/05/2023 11:00 AM	0.0	199.4	280.5	222.4
06/05/2023 12:00 PM	0.0	199.3	280.5	222.4
06/05/2023 01:00 PM	0.0	199.3	280.5	222.4
06/05/2023 02:00 PM	0.0	199.3	280.5	222.4
06/05/2023 03:00 PM	0.0	199.2	280.5	222.4
06/05/2023 04:00 PM	0.0	199.2	280.5	222.4
06/05/2023 05:00 PM	0.0	199.1	280.4	222.4
06/05/2023 06:00 PM	0.0	199.1	280.4	222.4
06/05/2023 07:00 PM	0.0	199.0	280.4	222.4
06/05/2023 08:00 PM	0.0	199.0	280.3	222.4
06/05/2023 09:00 PM	0.0	199.0	280.3	222.4
06/05/2023 10:00 PM	0.0	199.0	280.3	222.4
06/05/2023 11:00 PM	0.0	199.0	280.3	222.4
06/06/2023 12:00 AM	0.0	199.0	280.3	222.4
06/06/2023 01:00 AM	0.0	199.0	280.3	222.4
06/06/2023 02:00 AM	0.0	199.0	280.2	222.4
06/06/2023 03:00 AM	0.0	199.0	280.3	222.4
06/06/2023 04:00 AM	0.0	199.0	280.3	222.4
06/06/2023 05:00 AM	0.0	199.0	280.2	222.4
06/06/2023 06:00 AM	0.0	199.0	280.2	222.4
06/06/2023 07:00 AM	195.9	199.0	280.2	222.4
06/06/2023 08:00 AM	206.8	199.0	280.4	222.4
06/06/2023 09:00 AM	207.0	199.0	280.5	222.4
06/06/2023 10:00 AM	207.1	199.0	280.6	222.4
06/06/2023 11:00 AM	207.2	199.0	280.7	222.4
06/06/2023 12:00 PM	207.2	199.0	280.7	222.4
06/06/2023 01:00 PM	207.3	199.0	280.7	222.4
06/06/2023 02:00 PM	207.3	199.0	280.8	222.4
06/06/2023 03:00 PM	10.4	200.0	280.8	222.4
06/06/2023 04:00 PM	0.0	199.5	280.7	222.4
06/06/2023 05:00 PM	0.0	199.3	280.6	222.4
06/06/2023 06:00 PM	0.0	199.2	280.4	222.4
06/06/2023 07:00 PM	0.0	199.2	280.4	222.4
06/06/2023 08:00 PM	0.0	199.1	280.3	222.4
06/06/2023 09:00 PM	0.0	199.1	280.3	222.4
06/06/2023 10:00 PM	0.0	199.1	280.3	222.4
06/06/2023 11:00 PM	0.0	199.1	280.3	222.4
06/07/2023 12:00 AM	0.0	199.1	280.3	222.4
06/07/2023 01:00 AM	0.0	199.1	280.3	222.4
06/07/2023 02:00 AM	0.0	199.2	280.3	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/07/2023 03:00 AM	0.0	199.3	280.4	222.4
06/07/2023 04:00 AM	0.0	199.3	280.4	222.4
06/07/2023 05:00 AM	0.0	199.4	280.4	222.4
06/07/2023 06:00 AM	0.0	199.4	280.4	222.4
06/07/2023 07:00 AM	0.0	199.4	280.5	222.4
06/07/2023 08:00 AM	0.0	199.5	280.4	222.4
06/07/2023 09:00 AM	0.0	199.4	280.5	222.4
06/07/2023 10:00 AM	0.0	199.4	280.5	222.4
06/07/2023 11:00 AM	0.0	199.4	280.5	222.4
06/07/2023 12:00 PM	0.0	199.3	280.4	222.4
06/07/2023 01:00 PM	0.0	199.3	280.5	222.4
06/07/2023 02:00 PM	0.0	199.3	280.5	222.4
06/07/2023 03:00 PM	0.0	199.2	280.5	222.4
06/07/2023 04:00 PM	0.0	199.2	280.5	222.4
06/07/2023 05:00 PM	0.0	199.1	280.5	222.4
06/07/2023 06:00 PM	0.0	199.1	280.4	222.4
06/07/2023 07:00 PM	0.0	199.1	280.4	222.4
06/07/2023 08:00 PM	0.0	199.0	280.3	222.4
06/07/2023 09:00 PM	0.0	199.0	280.3	222.4
06/07/2023 10:00 PM	0.0	199.0	280.3	222.4
06/07/2023 11:00 PM	0.0	199.0	280.3	222.4
06/08/2023 12:00 AM	0.0	199.0	280.3	222.4
06/08/2023 01:00 AM	0.0	199.1	280.4	222.4
06/08/2023 02:00 AM	0.0	199.1	280.4	222.4
06/08/2023 03:00 AM	0.0	199.2	280.4	222.4
06/08/2023 04:00 AM	0.0	199.2	280.4	222.4
06/08/2023 05:00 AM	0.0	199.2	280.4	222.4
06/08/2023 06:00 AM	0.0	199.2	280.5	222.4
06/08/2023 07:00 AM	0.0	199.2	280.4	222.4
06/08/2023 08:00 AM	0.0	199.2	280.4	222.4
06/08/2023 09:00 AM	0.0	199.2	280.5	222.4
06/08/2023 10:00 AM	0.0	199.2	280.5	222.4
06/08/2023 11:00 AM	0.0	199.2	280.5	222.4
06/08/2023 12:00 PM	0.0	199.2	280.6	222.4
06/08/2023 01:00 PM	0.0	199.2	280.6	222.4
06/08/2023 02:00 PM	0.0	199.2	280.6	222.4
06/08/2023 03:00 PM	0.0	199.2	280.6	222.4
06/08/2023 04:00 PM	0.0	199.2	280.6	222.4
06/08/2023 05:00 PM	0.0	199.1	280.6	222.4
06/08/2023 06:00 PM	0.0	199.1	280.5	222.4
06/08/2023 07:00 PM	0.0	199.1	280.5	222.4
06/08/2023 08:00 PM	0.0	199.1	280.5	222.4
06/08/2023 09:00 PM	0.0	199.0	280.4	222.4
06/08/2023 10:00 PM	0.0	199.0	280.4	222.4
06/08/2023 11:00 PM	0.0	199.0	280.4	222.4
06/09/2023 12:00 AM	0.0	199.1	280.4	222.4
06/09/2023 01:00 AM	0.0	199.1	280.4	222.4
06/09/2023 02:00 AM	0.0	199.2	280.5	222.4
06/09/2023 03:00 AM	0.0	199.2	280.5	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/09/2023 04:00 AM	0.0	199.3	280.6	222.4
06/09/2023 05:00 AM	0.0	199.4	280.6	222.4
06/09/2023 06:00 AM	0.0	199.4	280.6	222.4
06/09/2023 07:00 AM	0.0	199.5	280.7	222.4
06/09/2023 08:00 AM	0.0	199.5	280.7	222.4
06/09/2023 09:00 AM	0.0	199.5	280.7	222.4
06/09/2023 10:00 AM	0.0	199.4	280.7	222.4
06/09/2023 11:00 AM	0.0	199.4	280.7	222.4
06/09/2023 12:00 PM	0.0	199.4	280.7	222.4
06/09/2023 01:00 PM	0.0	199.3	280.7	222.4
06/09/2023 02:00 PM	0.0	199.3	280.7	222.4
06/09/2023 03:00 PM	0.0	199.3	280.6	222.4
06/09/2023 04:00 PM	0.0	199.2	280.6	222.4
06/09/2023 05:00 PM	0.0	199.2	280.6	222.4
06/09/2023 06:00 PM	0.0	199.2	280.6	222.4
06/09/2023 07:00 PM	0.0	199.2	280.5	222.4
06/09/2023 08:00 PM	0.0	199.1	280.5	222.4
06/09/2023 09:00 PM	0.0	199.1	280.5	222.4
06/09/2023 10:00 PM	0.0	199.1	280.5	222.4
06/09/2023 11:00 PM	0.0	199.1	280.5	222.4
06/10/2023 12:00 AM	0.0	199.1	280.5	222.4
06/10/2023 01:00 AM	0.0	199.0	280.4	222.4
06/10/2023 02:00 AM	0.0	199.0	280.4	222.4
06/10/2023 03:00 AM	0.0	199.0	280.4	222.4
06/10/2023 04:00 AM	0.0	199.0	280.4	222.4
06/10/2023 05:00 AM	0.0	199.0	280.4	222.4
06/10/2023 06:00 AM	0.0	199.0	280.4	222.4
06/10/2023 07:00 AM	0.0	199.0	280.4	222.4
06/10/2023 08:00 AM	0.0	199.0	280.4	222.4
06/10/2023 09:00 AM	0.0	199.0	280.4	222.4
06/10/2023 10:00 AM	0.0	199.0	280.5	222.4
06/10/2023 11:00 AM	0.0	199.0	280.5	222.4
06/10/2023 12:00 PM	0.0	199.0	280.5	222.4
06/10/2023 01:00 PM	0.0	199.0	280.4	222.4
06/10/2023 02:00 PM	0.0	199.0	280.5	222.4
06/10/2023 03:00 PM	0.0	199.0	280.5	222.4
06/10/2023 04:00 PM	0.0	199.0	280.5	222.4
06/10/2023 05:00 PM	0.0	199.0	280.5	222.4
06/10/2023 06:00 PM	0.0	198.9	280.5	222.4
06/10/2023 07:00 PM	0.0	198.9	280.5	222.4
06/10/2023 08:00 PM	0.0	198.9	280.4	222.4
06/10/2023 09:00 PM	0.0	198.9	280.4	222.4
06/10/2023 10:00 PM	0.0	198.9	280.4	222.4
06/10/2023 11:00 PM	0.0	198.9	280.4	222.4
06/11/2023 12:00 AM	0.0	198.9	280.4	222.4
06/11/2023 01:00 AM	0.0	198.9	280.4	222.4
06/11/2023 02:00 AM	0.0	198.9	280.4	222.4
06/11/2023 03:00 AM	0.0	198.9	280.4	222.4
06/11/2023 04:00 AM	0.0	198.9	280.4	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/11/2023 05:00 AM	0.0	198.9	280.4	222.4
06/11/2023 06:00 AM	0.0	198.9	280.4	222.4
06/11/2023 07:00 AM	0.0	198.9	280.4	222.4
06/11/2023 08:00 AM	0.0	198.9	280.4	222.4
06/11/2023 09:00 AM	0.0	198.9	280.4	222.4
06/11/2023 10:00 AM	0.0	198.9	280.4	222.4
06/11/2023 11:00 AM	0.0	198.9	280.5	222.4
06/11/2023 12:00 PM	0.0	198.9	280.4	222.4
06/11/2023 01:00 PM	0.0	198.9	280.4	222.4
06/11/2023 02:00 PM	0.0	198.9	280.4	222.4
06/11/2023 03:00 PM	0.0	198.9	280.4	222.4
06/11/2023 04:00 PM	0.0	198.9	280.4	222.4
06/11/2023 05:00 PM	0.0	198.8	280.4	222.4
06/11/2023 06:00 PM	0.0	198.8	280.4	222.4
06/11/2023 07:00 PM	0.0	198.8	280.4	222.4
06/11/2023 08:00 PM	0.0	198.9	280.4	222.4
06/11/2023 09:00 PM	0.0	198.9	280.4	222.4
06/11/2023 10:00 PM	0.0	198.9	280.4	222.4
06/11/2023 11:00 PM	0.0	198.9	280.4	222.4
06/12/2023 12:00 AM	0.0	198.9	280.4	222.4
06/12/2023 01:00 AM	0.0	199.0	280.4	222.4
06/12/2023 02:00 AM	0.0	199.0	280.5	222.4
06/12/2023 03:00 AM	0.0	199.1	280.5	222.4
06/12/2023 04:00 AM	0.0	199.2	280.5	222.4
06/12/2023 05:00 AM	0.0	199.2	280.6	222.4
06/12/2023 06:00 AM	0.0	199.3	280.6	222.4
06/12/2023 07:00 AM	0.0	199.4	280.7	222.4
06/12/2023 08:00 AM	0.0	199.4	280.7	222.4
06/12/2023 09:00 AM	0.0	199.4	280.7	222.4
06/12/2023 10:00 AM	0.0	199.4	280.7	222.4
06/12/2023 11:00 AM	0.0	199.4	280.7	222.4
06/12/2023 12:00 PM	0.0	199.3	280.7	222.4
06/12/2023 01:00 PM	0.0	199.3	280.7	222.4
06/12/2023 02:00 PM	0.0	199.2	280.7	222.4
06/12/2023 03:00 PM	0.0	199.2	280.7	222.4
06/12/2023 04:00 PM	0.0	199.2	280.7	222.4
06/12/2023 05:00 PM	0.0	199.1	280.7	222.4
06/12/2023 06:00 PM	0.0	199.1	280.6	222.4
06/12/2023 07:00 PM	0.0	199.1	280.6	222.4
06/12/2023 08:00 PM	0.0	199.1	280.6	222.4
06/12/2023 09:00 PM	0.0	199.1	280.6	222.4
06/12/2023 10:00 PM	0.0	199.1	280.6	222.4
06/12/2023 11:00 PM	0.0	199.1	280.6	222.4
06/13/2023 12:00 AM	0.0	199.1	280.6	222.4
06/13/2023 01:00 AM	0.0	199.1	280.6	222.4
06/13/2023 02:00 AM	0.0	199.1	280.6	222.4
06/13/2023 03:00 AM	0.0	199.2	280.6	222.4
06/13/2023 04:00 AM	0.0	199.2	280.6	222.4
06/13/2023 05:00 AM	0.0	199.3	280.7	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/13/2023 06:00 AM	0.0	199.3	280.7	222.4
06/13/2023 07:00 AM	196.2	199.3	280.7	222.4
06/13/2023 08:00 AM	207.1	199.3	280.9	222.4
06/13/2023 09:00 AM	207.3	199.3	281.0	222.4
06/13/2023 10:00 AM	207.4	199.3	281.1	222.4
06/13/2023 11:00 AM	207.4	199.3	281.1	222.4
06/13/2023 12:00 PM	207.5	199.3	281.1	222.4
06/13/2023 01:00 PM	207.5	199.3	281.2	222.4
06/13/2023 02:00 PM	207.5	199.3	281.3	222.4
06/13/2023 03:00 PM	10.4	200.1	281.2	222.4
06/13/2023 04:00 PM	0.0	199.7	281.1	222.4
06/13/2023 05:00 PM	0.0	199.5	281.0	222.4
06/13/2023 06:00 PM	0.0	199.4	280.9	222.4
06/13/2023 07:00 PM	0.0	199.4	280.8	222.4
06/13/2023 08:00 PM	0.0	199.3	280.8	222.4
06/13/2023 09:00 PM	0.0	199.3	280.8	222.4
06/13/2023 10:00 PM	0.0	199.3	280.8	222.4
06/13/2023 11:00 PM	0.0	199.2	280.7	222.4
06/14/2023 12:00 AM	0.0	199.2	280.7	222.4
06/14/2023 01:00 AM	0.0	199.2	280.7	222.4
06/14/2023 02:00 AM	0.0	199.2	280.6	222.4
06/14/2023 03:00 AM	0.0	199.1	280.6	222.4
06/14/2023 04:00 AM	0.0	199.1	280.6	222.4
06/14/2023 05:00 AM	0.0	199.1	280.6	222.4
06/14/2023 06:00 AM	0.0	199.1	280.6	222.4
06/14/2023 07:00 AM	0.0	199.1	280.6	222.4
06/14/2023 08:00 AM	0.0	199.2	280.6	222.4
06/14/2023 09:00 AM	0.0	199.2	280.6	222.4
06/14/2023 10:00 AM	0.0	199.2	280.7	222.4
06/14/2023 11:00 AM	0.0	199.2	280.7	222.4
06/14/2023 12:00 PM	0.0	199.2	280.8	222.4
06/14/2023 01:00 PM	0.0	199.2	280.7	222.4
06/14/2023 02:00 PM	0.0	199.2	280.8	222.4
06/14/2023 03:00 PM	0.0	199.1	280.7	222.4
06/14/2023 04:00 PM	0.0	199.1	280.7	222.4
06/14/2023 05:00 PM	0.0	199.1	280.7	222.4
06/14/2023 06:00 PM	0.0	199.0	280.7	222.4
06/14/2023 07:00 PM	0.0	199.0	280.6	222.4
06/14/2023 08:00 PM	0.0	199.0	280.6	222.4
06/14/2023 09:00 PM	0.0	199.0	280.6	222.4
06/14/2023 10:00 PM	0.0	199.0	280.6	222.4
06/14/2023 11:00 PM	0.0	199.0	280.6	222.4
06/15/2023 12:00 AM	0.0	199.0	280.6	222.4
06/15/2023 01:00 AM	0.0	199.0	280.6	222.4
06/15/2023 02:00 AM	0.0	199.0	280.6	222.4
06/15/2023 03:00 AM	0.0	199.0	280.6	222.4
06/15/2023 04:00 AM	0.0	199.0	280.5	222.4
06/15/2023 05:00 AM	0.0	199.0	280.6	222.4
06/15/2023 06:00 AM	0.0	199.0	280.6	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/15/2023 07:00 AM	196.0	199.0	280.6	222.4
06/15/2023 08:00 AM	206.9	199.0	280.8	222.4
06/15/2023 09:00 AM	207.1	199.0	281.0	222.4
06/15/2023 10:00 AM	207.3	199.0	281.1	222.4
06/15/2023 11:00 AM	207.4	199.0	281.1	222.4
06/15/2023 12:00 PM	207.4	199.0	281.2	222.4
06/15/2023 01:00 PM	10.4	200.1	281.2	222.4
06/15/2023 02:00 PM	0.0	199.7	281.1	222.4
06/15/2023 03:00 PM	0.0	199.5	281.0	222.4
06/15/2023 04:00 PM	0.0	199.4	281.0	222.4
06/15/2023 05:00 PM	0.0	199.3	280.9	222.4
06/15/2023 06:00 PM	0.0	199.3	280.9	222.4
06/15/2023 07:00 PM	0.0	199.3	280.9	222.4
06/15/2023 08:00 PM	0.0	199.3	280.8	222.4
06/15/2023 09:00 PM	0.0	199.3	280.8	222.4
06/15/2023 10:00 PM	0.0	199.3	280.8	222.4
06/15/2023 11:00 PM	0.0	199.3	280.8	222.4
06/16/2023 12:00 AM	0.0	199.3	280.8	222.4
06/16/2023 01:00 AM	0.0	199.4	280.8	222.4
06/16/2023 02:00 AM	0.0	199.4	280.9	222.4
06/16/2023 03:00 AM	0.0	199.5	280.9	222.4
06/16/2023 04:00 AM	0.0	199.5	280.9	222.4
06/16/2023 05:00 AM	0.0	199.6	281.0	222.4
06/16/2023 06:00 AM	0.0	199.6	281.0	222.4
06/16/2023 07:00 AM	0.0	199.7	281.1	222.4
06/16/2023 08:00 AM	0.0	199.7	281.1	222.4
06/16/2023 09:00 AM	0.0	199.8	281.2	222.4
06/16/2023 10:00 AM	0.0	199.8	281.3	222.4
06/16/2023 11:00 AM	0.0	199.8	281.2	222.4
06/16/2023 12:00 PM	0.0	199.7	281.2	222.4
06/16/2023 01:00 PM	0.0	199.7	281.2	222.4
06/16/2023 02:00 PM	0.0	199.6	281.2	222.4
06/16/2023 03:00 PM	0.0	199.6	281.2	222.4
06/16/2023 04:00 PM	0.0	199.6	281.2	222.4
06/16/2023 05:00 PM	0.0	199.5	281.1	222.4
06/16/2023 06:00 PM	0.0	199.5	281.1	222.4
06/16/2023 07:00 PM	0.0	199.5	281.1	222.4
06/16/2023 08:00 PM	0.0	199.5	281.0	222.4
06/16/2023 09:00 PM	0.0	199.5	281.0	222.4
06/16/2023 10:00 PM	0.0	199.5	281.0	222.4
06/16/2023 11:00 PM	0.0	199.5	281.0	222.4
06/17/2023 12:00 AM	0.0	199.4	281.0	222.4
06/17/2023 01:00 AM	0.0	199.4	281.0	222.4
06/17/2023 02:00 AM	0.0	199.4	281.0	222.4
06/17/2023 03:00 AM	0.0	199.4	280.9	222.4
06/17/2023 04:00 AM	0.0	199.4	280.9	222.4
06/17/2023 05:00 AM	0.0	199.4	280.9	222.4
06/17/2023 06:00 AM	0.0	199.4	280.9	222.4
06/17/2023 07:00 AM	0.0	199.4	280.9	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/17/2023 08:00 AM	0.0	199.4	280.9	222.4
06/17/2023 09:00 AM	0.0	199.4	280.9	222.4
06/17/2023 10:00 AM	0.0	199.4	281.0	222.4
06/17/2023 11:00 AM	0.0	199.4	281.0	222.4
06/17/2023 12:00 PM	0.0	199.4	281.0	222.4
06/17/2023 01:00 PM	0.0	199.4	281.0	222.4
06/17/2023 02:00 PM	0.0	199.3	281.0	222.4
06/17/2023 03:00 PM	0.0	199.3	281.0	222.4
06/17/2023 04:00 PM	0.0	199.3	280.9	222.4
06/17/2023 05:00 PM	0.0	199.3	280.9	222.4
06/17/2023 06:00 PM	0.0	199.3	280.9	222.4
06/17/2023 07:00 PM	0.0	199.3	280.9	222.4
06/17/2023 08:00 PM	0.0	199.3	280.9	222.4
06/17/2023 09:00 PM	0.0	199.3	280.9	222.4
06/17/2023 10:00 PM	0.0	199.3	280.9	222.4
06/17/2023 11:00 PM	0.0	199.3	280.9	222.4
06/18/2023 12:00 AM	0.0	199.3	280.9	222.4
06/18/2023 01:00 AM	0.0	199.3	280.9	222.4
06/18/2023 02:00 AM	0.0	199.3	280.9	222.4
06/18/2023 03:00 AM	0.0	199.3	280.8	222.4
06/18/2023 04:00 AM	0.0	199.3	280.9	222.4
06/18/2023 05:00 AM	0.0	199.3	280.9	222.4
06/18/2023 06:00 AM	0.0	199.3	280.9	222.4
06/18/2023 07:00 AM	0.0	199.3	280.9	222.4
06/18/2023 08:00 AM	0.0	199.3	280.9	222.4
06/18/2023 09:00 AM	0.0	199.3	280.9	222.4
06/18/2023 10:00 AM	0.0	199.3	281.0	222.4
06/18/2023 11:00 AM	0.0	199.3	281.0	222.4
06/18/2023 12:00 PM	0.0	199.3	281.0	222.4
06/18/2023 01:00 PM	0.0	199.3	281.0	222.4
06/18/2023 02:00 PM	0.0	199.3	281.0	222.4
06/18/2023 03:00 PM	0.0	199.3	281.0	222.4
06/18/2023 04:00 PM	0.0	199.3	281.0	222.4
06/18/2023 05:00 PM	0.0	199.2	280.9	222.4
06/18/2023 06:00 PM	0.0	199.2	280.9	222.4
06/18/2023 07:00 PM	0.0	199.2	280.9	222.4
06/18/2023 08:00 PM	0.0	199.2	280.8	222.4
06/18/2023 09:00 PM	0.0	199.2	280.8	222.4
06/18/2023 10:00 PM	0.0	199.2	280.8	222.4
06/18/2023 11:00 PM	0.0	199.3	280.9	222.4
06/19/2023 12:00 AM	0.0	199.3	280.9	222.4
06/19/2023 01:00 AM	0.0	199.4	280.9	222.4
06/19/2023 02:00 AM	0.0	199.4	281.0	222.4
06/19/2023 03:00 AM	0.0	199.5	281.0	222.4
06/19/2023 04:00 AM	0.0	199.5	281.0	222.4
06/19/2023 05:00 AM	0.0	199.6	281.1	222.4
06/19/2023 06:00 AM	0.0	199.7	281.1	222.4
06/19/2023 07:00 AM	0.0	199.7	281.1	222.4
06/19/2023 08:00 AM	0.0	199.7	281.2	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/19/2023 09:00 AM	0.0	199.8	281.2	222.4
06/19/2023 10:00 AM	0.0	199.8	281.3	222.4
06/19/2023 11:00 AM	0.0	199.8	281.3	222.4
06/19/2023 12:00 PM	0.0	199.9	281.3	222.4
06/19/2023 01:00 PM	0.0	199.9	281.4	222.4
06/19/2023 02:00 PM	0.0	199.9	281.4	222.4
06/19/2023 03:00 PM	0.0	199.9	281.4	222.4
06/19/2023 04:00 PM	0.0	199.9	281.4	222.4
06/19/2023 05:00 PM	0.0	199.9	281.4	222.4
06/19/2023 06:00 PM	0.0	199.9	281.3	222.4
06/19/2023 07:00 PM	0.0	199.8	281.3	222.4
06/19/2023 08:00 PM	0.0	199.8	281.3	222.4
06/19/2023 09:00 PM	0.0	199.8	281.3	222.4
06/19/2023 10:00 PM	0.0	199.7	281.2	222.4
06/19/2023 11:00 PM	0.0	199.7	281.2	222.4
06/20/2023 12:00 AM	0.0	199.7	281.2	222.4
06/20/2023 01:00 AM	0.0	199.7	281.2	222.4
06/20/2023 02:00 AM	0.0	199.7	281.2	222.4
06/20/2023 03:00 AM	0.0	199.8	281.2	222.4
06/20/2023 04:00 AM	0.0	199.8	281.2	222.4
06/20/2023 05:00 AM	0.0	199.8	281.3	222.4
06/20/2023 06:00 AM	0.0	199.8	281.2	222.4
06/20/2023 07:00 AM	196.6	199.8	281.3	222.4
06/20/2023 08:00 AM	207.6	199.8	281.4	222.4
06/20/2023 09:00 AM	207.7	199.8	281.5	222.4
06/20/2023 10:00 AM	207.8	199.8	281.6	222.4
06/20/2023 11:00 AM	207.9	199.8	281.7	222.4
06/20/2023 12:00 PM	207.9	199.8	281.7	222.4
06/20/2023 01:00 PM	10.4	200.6	281.7	222.4
06/20/2023 02:00 PM	0.0	200.2	281.6	222.4
06/20/2023 03:00 PM	0.0	200.0	281.6	222.4
06/20/2023 04:00 PM	0.0	199.9	281.5	222.4
06/20/2023 05:00 PM	0.0	199.9	281.4	222.4
06/20/2023 06:00 PM	0.0	199.8	281.4	222.4
06/20/2023 07:00 PM	0.0	199.7	281.3	222.4
06/20/2023 08:00 PM	0.0	199.7	281.3	222.4
06/20/2023 09:00 PM	0.0	199.7	281.2	222.4
06/20/2023 10:00 PM	0.0	199.7	281.2	222.4
06/20/2023 11:00 PM	0.0	199.6	281.2	222.4
06/21/2023 12:00 AM	0.0	199.7	281.2	222.4
06/21/2023 01:00 AM	0.0	199.7	281.2	222.4
06/21/2023 02:00 AM	0.0	199.8	281.2	222.4
06/21/2023 03:00 AM	0.0	199.8	281.3	222.4
06/21/2023 04:00 AM	0.0	199.9	281.3	222.4
06/21/2023 05:00 AM	0.0	199.9	281.3	222.4
06/21/2023 06:00 AM	0.0	200.0	281.3	222.4
06/21/2023 07:00 AM	0.0	200.0	281.4	222.4
06/21/2023 08:00 AM	0.0	200.0	281.4	222.4
06/21/2023 09:00 AM	0.0	200.0	281.4	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/21/2023 10:00 AM	0.0	200.0	281.5	222.4
06/21/2023 11:00 AM	0.0	200.0	281.5	222.4
06/21/2023 12:00 PM	0.0	200.1	281.5	222.4
06/21/2023 01:00 PM	0.0	200.1	281.6	222.4
06/21/2023 02:00 PM	0.0	200.1	281.6	222.4
06/21/2023 03:00 PM	0.0	200.1	281.6	222.4
06/21/2023 04:00 PM	0.0	200.1	281.5	222.4
06/21/2023 05:00 PM	0.0	200.0	281.5	222.4
06/21/2023 06:00 PM	0.0	200.0	281.5	222.4
06/21/2023 07:00 PM	0.0	199.9	281.4	222.4
06/21/2023 08:00 PM	0.0	199.9	281.4	222.4
06/21/2023 09:00 PM	0.0	199.8	281.3	222.4
06/21/2023 10:00 PM	0.0	199.8	281.3	222.4
06/21/2023 11:00 PM	0.0	199.8	281.3	222.4
06/22/2023 12:00 AM	0.0	199.8	281.3	222.4
06/22/2023 01:00 AM	0.0	199.8	281.3	222.4
06/22/2023 02:00 AM	0.0	199.7	281.3	222.4
06/22/2023 03:00 AM	0.0	199.7	281.3	222.4
06/22/2023 04:00 AM	0.0	199.7	281.2	222.4
06/22/2023 05:00 AM	0.0	199.7	281.2	222.4
06/22/2023 06:00 AM	0.0	199.7	281.2	222.4
06/22/2023 07:00 AM	196.6	199.7	281.3	222.4
06/22/2023 08:00 AM	207.4	199.7	281.4	222.4
06/22/2023 09:00 AM	207.6	199.7	281.5	222.4
06/22/2023 10:00 AM	207.8	199.7	281.6	222.4
06/22/2023 11:00 AM	207.8	199.7	281.7	222.4
06/22/2023 12:00 PM	207.9	199.7	281.8	222.4
06/22/2023 01:00 PM	10.4	200.7	281.8	222.4
06/22/2023 02:00 PM	0.0	200.3	281.7	222.4
06/22/2023 03:00 PM	0.0	200.2	281.7	222.4
06/22/2023 04:00 PM	0.0	200.1	281.7	222.4
06/22/2023 05:00 PM	0.0	200.0	281.5	222.4
06/22/2023 06:00 PM	0.0	200.0	281.5	222.4
06/22/2023 07:00 PM	0.0	199.9	281.4	222.4
06/22/2023 08:00 PM	0.0	199.9	281.4	222.4
06/22/2023 09:00 PM	0.0	199.8	281.3	222.4
06/22/2023 10:00 PM	0.0	199.8	281.3	222.4
06/22/2023 11:00 PM	0.0	199.8	281.3	222.4
06/23/2023 12:00 AM	0.0	199.8	281.3	222.4
06/23/2023 01:00 AM	0.0	199.9	281.3	222.4
06/23/2023 02:00 AM	0.0	199.9	281.4	222.4
06/23/2023 03:00 AM	0.0	200.0	281.4	222.4
06/23/2023 04:00 AM	0.0	200.1	281.4	222.4
06/23/2023 05:00 AM	0.0	200.1	281.5	222.4
06/23/2023 06:00 AM	0.0	200.1	281.5	222.4
06/23/2023 07:00 AM	0.0	200.2	281.5	222.4
06/23/2023 08:00 AM	0.0	200.2	281.5	222.4
06/23/2023 09:00 AM	0.0	200.1	281.5	222.4
06/23/2023 10:00 AM	0.0	200.1	281.6	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/23/2023 11:00 AM	0.0	200.1	281.6	222.4
06/23/2023 12:00 PM	0.0	200.0	281.6	222.4
06/23/2023 01:00 PM	0.0	200.0	281.6	222.4
06/23/2023 02:00 PM	0.0	200.0	281.6	222.4
06/23/2023 03:00 PM	0.0	200.0	281.6	222.4
06/23/2023 04:00 PM	0.0	199.9	281.5	222.4
06/23/2023 05:00 PM	0.0	199.9	281.5	222.4
06/23/2023 06:00 PM	0.0	199.9	281.5	222.4
06/23/2023 07:00 PM	0.0	199.9	281.5	222.4
06/23/2023 08:00 PM	0.0	199.8	281.4	222.4
06/23/2023 09:00 PM	0.0	199.8	281.4	222.4
06/23/2023 10:00 PM	0.0	199.8	281.4	222.4
06/23/2023 11:00 PM	0.0	199.9	281.4	222.4
06/24/2023 12:00 AM	0.0	199.9	281.4	222.4
06/24/2023 01:00 AM	0.0	199.9	281.4	222.4
06/24/2023 02:00 AM	0.0	199.9	281.4	222.4
06/24/2023 03:00 AM	0.0	199.9	281.4	222.4
06/24/2023 04:00 AM	0.0	199.9	281.4	222.4
06/24/2023 05:00 AM	0.0	199.9	281.4	222.4
06/24/2023 06:00 AM	0.0	199.9	281.4	222.4
06/24/2023 07:00 AM	0.0	199.9	281.4	222.4
06/24/2023 08:00 AM	0.0	199.9	281.4	222.4
06/24/2023 09:00 AM	0.0	199.9	281.5	222.4
06/24/2023 10:00 AM	0.0	199.9	281.5	222.4
06/24/2023 11:00 AM	0.0	199.9	281.5	222.4
06/24/2023 12:00 PM	0.0	199.9	281.5	222.4
06/24/2023 01:00 PM	0.0	199.8	281.5	222.4
06/24/2023 02:00 PM	0.0	199.8	281.5	222.4
06/24/2023 03:00 PM	0.0	199.8	281.5	222.4
06/24/2023 04:00 PM	0.0	199.8	281.5	222.4
06/24/2023 05:00 PM	0.0	199.8	281.5	222.4
06/24/2023 06:00 PM	0.0	199.8	281.5	222.4
06/24/2023 07:00 PM	0.0	199.8	281.5	222.4
06/24/2023 08:00 PM	0.0	199.8	281.5	222.4
06/24/2023 09:00 PM	0.0	199.8	281.5	222.4
06/24/2023 10:00 PM	0.0	199.8	281.4	222.4
06/24/2023 11:00 PM	0.0	199.8	281.4	222.4
06/25/2023 12:00 AM	0.0	199.8	281.4	222.4
06/25/2023 01:00 AM	0.0	199.8	281.4	222.4
06/25/2023 02:00 AM	0.0	199.8	281.4	222.4
06/25/2023 03:00 AM	0.0	199.8	281.4	222.4
06/25/2023 04:00 AM	0.0	199.8	281.4	222.4
06/25/2023 05:00 AM	0.0	199.8	281.4	222.4
06/25/2023 06:00 AM	0.0	199.8	281.4	222.4
06/25/2023 07:00 AM	0.0	199.8	281.4	222.4
06/25/2023 08:00 AM	0.0	199.8	281.5	222.4
06/25/2023 09:00 AM	0.0	199.8	281.5	222.4
06/25/2023 10:00 AM	0.0	199.8	281.5	222.4
06/25/2023 11:00 AM	0.0	199.8	281.6	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/25/2023 12:00 PM	0.0	199.8	281.5	222.4
06/25/2023 01:00 PM	0.0	199.8	281.5	222.4
06/25/2023 02:00 PM	0.0	199.7	281.5	222.4
06/25/2023 03:00 PM	0.0	199.7	281.5	222.4
06/25/2023 04:00 PM	0.0	199.7	281.5	222.4
06/25/2023 05:00 PM	0.0	199.7	281.5	222.4
06/25/2023 06:00 PM	0.0	199.7	281.5	222.4
06/25/2023 07:00 PM	0.0	199.7	281.4	222.4
06/25/2023 08:00 PM	0.0	199.7	281.4	222.4
06/25/2023 09:00 PM	0.0	199.6	281.4	222.4
06/25/2023 10:00 PM	0.0	199.6	281.4	222.4
06/25/2023 11:00 PM	0.0	199.6	281.4	222.4
06/26/2023 12:00 AM	0.0	199.6	281.3	222.4
06/26/2023 01:00 AM	0.0	199.7	281.3	222.4
06/26/2023 02:00 AM	0.0	199.7	281.3	222.4
06/26/2023 03:00 AM	0.0	199.8	281.4	222.4
06/26/2023 04:00 AM	0.0	199.8	281.4	222.4
06/26/2023 05:00 AM	0.0	199.8	281.4	222.4
06/26/2023 06:00 AM	0.0	199.8	281.4	222.4
06/26/2023 07:00 AM	0.0	199.8	281.4	222.4
06/26/2023 08:00 AM	0.0	199.8	281.4	222.4
06/26/2023 09:00 AM	0.0	199.8	281.5	222.4
06/26/2023 10:00 AM	0.0	199.7	281.5	222.4
06/26/2023 11:00 AM	0.0	199.7	281.5	222.4
06/26/2023 12:00 PM	0.0	199.7	281.5	222.4
06/26/2023 01:00 PM	0.0	199.7	281.5	222.4
06/26/2023 02:00 PM	0.0	199.6	281.5	222.4
06/26/2023 03:00 PM	0.0	199.6	281.4	222.4
06/26/2023 04:00 PM	0.0	199.6	259.5	222.4
06/26/2023 05:00 PM	0.0	199.4	261.5	222.4
06/26/2023 06:00 PM	0.0	199.4	262.0	222.4
06/26/2023 07:00 PM	0.0	199.3	272.2	222.4
06/26/2023 08:00 PM	0.0	199.3	273.9	222.4
06/26/2023 09:00 PM	0.0	199.3	276.4	222.4
06/26/2023 10:00 PM	0.0	199.4	277.6	222.4
06/26/2023 11:00 PM	0.0	199.4	277.9	222.4
06/27/2023 12:00 AM	0.0	199.4	278.7	222.4
06/27/2023 01:00 AM	0.0	199.5	278.7	222.4
06/27/2023 02:00 AM	0.0	199.6	278.2	222.4
06/27/2023 03:00 AM	0.0	199.6	279.7	222.4
06/27/2023 04:00 AM	0.0	199.7	281.2	222.4
06/27/2023 05:00 AM	0.0	199.7	281.3	222.4
06/27/2023 06:00 AM	0.0	199.7	281.3	222.4
06/27/2023 07:00 AM	196.7	199.7	281.4	222.4
06/27/2023 08:00 AM	207.6	199.7	281.5	222.4
06/27/2023 09:00 AM	207.7	199.7	281.6	222.4
06/27/2023 10:00 AM	207.8	199.7	281.7	222.4
06/27/2023 11:00 AM	207.8	199.7	281.8	222.4
06/27/2023 12:00 PM	207.9	199.7	281.8	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/27/2023 01:00 PM	10.4	200.5	281.8	222.4
06/27/2023 02:00 PM	0.0	200.1	281.7	222.4
06/27/2023 03:00 PM	0.0	200.0	281.7	222.4
06/27/2023 04:00 PM	0.0	199.9	281.6	222.4
06/27/2023 05:00 PM	0.0	199.8	281.5	222.4
06/27/2023 06:00 PM	0.0	199.8	281.5	222.4
06/27/2023 07:00 PM	0.0	199.7	281.5	222.4
06/27/2023 08:00 PM	0.0	199.7	281.4	222.4
06/27/2023 09:00 PM	0.0	199.7	281.4	222.4
06/27/2023 10:00 PM	0.0	199.7	281.4	222.4
06/27/2023 11:00 PM	0.0	199.7	281.4	222.4
06/28/2023 12:00 AM	0.0	199.7	281.3	222.4
06/28/2023 01:00 AM	0.0	199.8	281.4	222.4
06/28/2023 02:00 AM	0.0	199.8	281.4	222.4
06/28/2023 03:00 AM	0.0	199.9	281.5	222.4
06/28/2023 04:00 AM	0.0	200.0	281.5	222.4
06/28/2023 05:00 AM	0.0	200.0	281.6	222.4
06/28/2023 06:00 AM	0.0	200.1	281.6	222.4
06/28/2023 07:00 AM	0.0	200.1	281.6	222.4
06/28/2023 08:00 AM	0.0	200.2	281.7	222.4
06/28/2023 09:00 AM	0.0	200.2	281.7	222.4
06/28/2023 10:00 AM	0.0	200.2	281.7	222.4
06/28/2023 11:00 AM	0.0	200.2	281.8	222.4
06/28/2023 12:00 PM	0.0	200.2	281.8	222.4
06/28/2023 01:00 PM	0.0	200.3	281.9	222.4
06/28/2023 02:00 PM	0.0	200.3	281.9	222.4
06/28/2023 03:00 PM	0.0	200.3	281.9	222.4
06/28/2023 04:00 PM	0.0	200.2	281.9	222.4
06/28/2023 05:00 PM	0.0	200.2	281.9	222.4
06/28/2023 06:00 PM	0.0	200.2	281.9	222.4
06/28/2023 07:00 PM	0.0	200.2	281.9	222.4
06/28/2023 08:00 PM	0.0	200.2	281.8	222.4
06/28/2023 09:00 PM	0.0	200.2	281.8	222.4
06/28/2023 10:00 PM	0.0	200.1	281.8	222.4
06/28/2023 11:00 PM	0.0	200.1	281.8	222.4
06/29/2023 12:00 AM	0.0	200.1	281.8	222.4
06/29/2023 01:00 AM	0.0	200.1	281.7	222.4
06/29/2023 02:00 AM	0.0	200.2	281.8	222.4
06/29/2023 03:00 AM	0.0	200.2	281.8	222.4
06/29/2023 04:00 AM	0.0	200.3	281.8	222.4
06/29/2023 05:00 AM	0.0	200.3	281.8	222.4
06/29/2023 06:00 AM	0.0	200.3	281.8	222.4
06/29/2023 07:00 AM	197.1	200.3	281.8	222.4
06/29/2023 08:00 AM	208.1	200.3	281.9	222.4
06/29/2023 09:00 AM	208.3	200.3	282.0	222.4
06/29/2023 10:00 AM	208.4	200.3	282.1	222.4
06/29/2023 11:00 AM	208.5	200.3	282.2	222.4
06/29/2023 12:00 PM	208.6	200.3	282.3	222.4
06/29/2023 01:00 PM	10.4	201.3	282.4	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
June 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
06/29/2023 02:00 PM	0.0	200.9	282.3	222.4
06/29/2023 03:00 PM	0.0	200.7	282.2	222.4
06/29/2023 04:00 PM	0.0	200.6	282.1	222.4
06/29/2023 05:00 PM	0.0	200.5	282.0	222.4
06/29/2023 06:00 PM	0.0	200.4	282.0	222.4
06/29/2023 07:00 PM	0.0	200.4	281.9	222.4
06/29/2023 08:00 PM	0.0	200.3	281.9	222.4
06/29/2023 09:00 PM	0.0	200.3	281.9	222.4
06/29/2023 10:00 PM	0.0	200.3	281.8	222.4
06/29/2023 11:00 PM	0.0	200.2	281.8	222.4
06/30/2023 12:00 AM	0.0	200.2	281.8	222.4
06/30/2023 01:00 AM	0.0	200.2	281.7	222.4
06/30/2023 02:00 AM	0.0	200.2	281.7	222.4
06/30/2023 03:00 AM	0.0	200.1	281.7	222.4
06/30/2023 04:00 AM	0.0	200.1	281.7	222.4
06/30/2023 05:00 AM	0.0	200.1	281.7	222.4
06/30/2023 06:00 AM	0.0	200.1	281.7	222.4
06/30/2023 07:00 AM	0.0	200.1	281.7	222.4
06/30/2023 08:00 AM	0.0	200.1	281.7	222.4
06/30/2023 09:00 AM	0.0	200.2	281.7	222.4
06/30/2023 10:00 AM	0.0	200.2	281.8	222.4
06/30/2023 11:00 AM	0.0	200.2	281.8	222.4
06/30/2023 12:00 PM	0.0	200.2	281.8	222.4
06/30/2023 01:00 PM	0.0	200.2	281.8	222.4
06/30/2023 02:00 PM	0.0	200.2	281.8	222.4
06/30/2023 03:00 PM	0.0	200.1	281.8	222.4
06/30/2023 04:00 PM	0.0	200.1	281.8	222.4
06/30/2023 05:00 PM	0.0	200.1	281.8	222.4
06/30/2023 06:00 PM	0.0	200.0	281.8	222.4
06/30/2023 07:00 PM	0.0	200.0	281.7	222.4
06/30/2023 08:00 PM	0.0	200.0	281.7	222.4
06/30/2023 09:00 PM	0.0	200.0	281.7	222.4
06/30/2023 10:00 PM	0.0	200.0	281.7	222.4
06/30/2023 11:00 PM	0.0	200.0	281.7	222.4

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/01/2023 12:00 AM	0.0	0.0	0.0
06/01/2023 01:00 AM	0.0	0.0	0.0
06/01/2023 02:00 AM	0.0	0.0	0.0
06/01/2023 03:00 AM	0.0	0.0	0.0
06/01/2023 04:00 AM	0.0	0.0	0.0
06/01/2023 05:00 AM	0.0	0.0	0.0
06/01/2023 06:00 AM	0.0	0.0	0.0
06/01/2023 07:00 AM	0.0	0.0	0.0
06/01/2023 08:00 AM	0.0	0.0	0.0
06/01/2023 09:00 AM	0.0	0.0	0.0
06/01/2023 10:00 AM	0.0	0.0	0.0
06/01/2023 11:00 AM	0.0	0.0	0.0
06/01/2023 12:00 PM	0.0	0.0	0.0
06/01/2023 01:00 PM	0.0	0.0	0.0
06/01/2023 02:00 PM	0.0	0.0	0.0
06/01/2023 03:00 PM	0.0	0.0	0.0
06/01/2023 04:00 PM	0.0	0.0	0.0
06/01/2023 05:00 PM	0.0	0.0	0.0
06/01/2023 06:00 PM	0.0	0.0	0.0
06/01/2023 07:00 PM	0.0	0.0	0.0
06/01/2023 08:00 PM	0.0	0.0	0.0
06/01/2023 09:00 PM	0.0	0.0	0.0
06/01/2023 10:00 PM	0.0	0.0	0.0
06/01/2023 11:00 PM	0.0	0.0	0.0
06/02/2023 12:00 AM	0.0	0.0	0.0
06/02/2023 01:00 AM	0.0	0.0	0.0
06/02/2023 02:00 AM	0.0	0.0	0.0
06/02/2023 03:00 AM	0.0	0.0	0.0
06/02/2023 04:00 AM	0.0	0.0	0.0
06/02/2023 05:00 AM	0.0	0.0	0.0
06/02/2023 06:00 AM	0.0	0.0	0.0
06/02/2023 07:00 AM	0.0	0.0	0.0
06/02/2023 08:00 AM	0.0	0.0	0.0
06/02/2023 09:00 AM	0.0	0.0	0.0
06/02/2023 10:00 AM	0.0	0.0	0.0
06/02/2023 11:00 AM	0.0	0.0	0.0
06/02/2023 12:00 PM	0.0	0.0	0.0
06/02/2023 01:00 PM	0.0	0.0	0.0
06/02/2023 02:00 PM	0.0	0.0	0.0
06/02/2023 03:00 PM	0.0	0.0	0.0
06/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/02/2023 05:00 PM	0.0	0.0	0.0
06/02/2023 06:00 PM	0.0	0.0	0.0
06/02/2023 07:00 PM	0.0	0.0	0.0
06/02/2023 08:00 PM	0.0	0.0	0.0
06/02/2023 09:00 PM	0.0	0.0	0.0
06/02/2023 10:00 PM	0.0	0.0	0.0
06/02/2023 11:00 PM	0.0	0.0	0.0
06/03/2023 12:00 AM	0.0	0.0	0.0
06/03/2023 01:00 AM	0.0	0.0	0.0
06/03/2023 02:00 AM	0.0	0.0	0.0
06/03/2023 03:00 AM	0.0	0.0	0.0
06/03/2023 04:00 AM	0.0	0.0	0.0
06/03/2023 05:00 AM	0.0	0.0	0.0
06/03/2023 06:00 AM	0.0	0.0	0.0
06/03/2023 07:00 AM	0.0	0.0	0.0
06/03/2023 08:00 AM	0.0	0.0	0.0
06/03/2023 09:00 AM	0.0	0.0	0.0
06/03/2023 10:00 AM	0.0	0.0	0.0
06/03/2023 11:00 AM	0.0	0.0	0.0
06/03/2023 12:00 PM	0.0	0.0	0.0
06/03/2023 01:00 PM	0.0	0.0	0.0
06/03/2023 02:00 PM	0.0	0.0	0.0
06/03/2023 03:00 PM	0.0	0.0	0.0
06/03/2023 04:00 PM	0.0	0.0	0.0
06/03/2023 05:00 PM	0.0	0.0	0.0
06/03/2023 06:00 PM	0.0	0.0	0.0
06/03/2023 07:00 PM	0.0	0.0	0.0
06/03/2023 08:00 PM	0.0	0.0	0.0
06/03/2023 09:00 PM	0.0	0.0	0.0
06/03/2023 10:00 PM	0.0	0.0	0.0
06/03/2023 11:00 PM	0.0	0.0	0.0
06/04/2023 12:00 AM	0.0	0.0	0.0
06/04/2023 01:00 AM	0.0	0.0	0.0
06/04/2023 02:00 AM	0.0	0.0	0.0
06/04/2023 03:00 AM	0.0	0.0	0.0
06/04/2023 04:00 AM	0.0	0.0	0.0
06/04/2023 05:00 AM	0.0	0.0	0.0
06/04/2023 06:00 AM	0.0	0.0	0.0
06/04/2023 07:00 AM	0.0	0.0	0.0
06/04/2023 08:00 AM	0.0	0.0	0.0
06/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/04/2023 10:00 AM	0.0	0.0	0.0
06/04/2023 11:00 AM	0.0	0.0	0.0
06/04/2023 12:00 PM	0.0	0.0	0.0
06/04/2023 01:00 PM	0.0	0.0	0.0
06/04/2023 02:00 PM	0.0	0.0	0.0
06/04/2023 03:00 PM	0.0	0.0	0.0
06/04/2023 04:00 PM	0.0	0.0	0.0
06/04/2023 05:00 PM	0.0	0.0	0.0
06/04/2023 06:00 PM	0.0	0.0	0.0
06/04/2023 07:00 PM	0.0	0.0	0.0
06/04/2023 08:00 PM	0.0	0.0	0.0
06/04/2023 09:00 PM	0.0	0.0	0.0
06/04/2023 10:00 PM	0.0	0.0	0.0
06/04/2023 11:00 PM	0.0	0.0	0.0
06/05/2023 12:00 AM	0.0	0.0	0.0
06/05/2023 01:00 AM	0.0	0.0	0.0
06/05/2023 02:00 AM	0.0	0.0	0.0
06/05/2023 03:00 AM	0.0	0.0	0.0
06/05/2023 04:00 AM	0.0	0.0	0.0
06/05/2023 05:00 AM	0.0	0.0	0.0
06/05/2023 06:00 AM	0.0	0.0	0.0
06/05/2023 07:00 AM	0.0	0.0	0.0
06/05/2023 08:00 AM	0.0	0.0	0.0
06/05/2023 09:00 AM	0.0	0.0	0.0
06/05/2023 10:00 AM	0.0	0.0	0.0
06/05/2023 11:00 AM	0.0	0.0	0.0
06/05/2023 12:00 PM	0.0	0.0	0.0
06/05/2023 01:00 PM	0.0	0.0	0.0
06/05/2023 02:00 PM	0.0	0.0	0.0
06/05/2023 03:00 PM	0.0	0.0	0.0
06/05/2023 04:00 PM	0.0	0.0	0.0
06/05/2023 05:00 PM	0.0	0.0	0.0
06/05/2023 06:00 PM	0.0	0.0	0.0
06/05/2023 07:00 PM	0.0	0.0	0.0
06/05/2023 08:00 PM	0.0	0.0	0.0
06/05/2023 09:00 PM	0.0	0.0	0.0
06/05/2023 10:00 PM	0.0	0.0	0.0
06/05/2023 11:00 PM	0.0	0.0	0.0
06/06/2023 12:00 AM	0.0	0.0	0.0
06/06/2023 01:00 AM	0.0	0.0	0.0
06/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/06/2023 03:00 AM	0.0	0.0	0.0
06/06/2023 04:00 AM	0.0	0.0	0.0
06/06/2023 05:00 AM	0.0	0.0	0.0
06/06/2023 06:00 AM	0.0	0.0	0.0
06/06/2023 07:00 AM	2,129.7	0.0	1,858.7
06/06/2023 08:00 AM	1,876.2	1,782.4	1,817.4
06/06/2023 09:00 AM	1,782.4	1,742.3	1,763.0
06/06/2023 10:00 AM	1,745.2	1,728.2	1,736.3
06/06/2023 11:00 AM	1,731.6	1,719.1	1,725.4
06/06/2023 12:00 PM	1,721.3	1,707.7	1,714.0
06/06/2023 01:00 PM	1,715.7	1,695.5	1,703.4
06/06/2023 02:00 PM	1,699.7	1,685.7	1,692.5
06/06/2023 03:00 PM	1,686.0	0.0	84.2
06/06/2023 04:00 PM	0.0	0.0	0.0
06/06/2023 05:00 PM	0.0	0.0	0.0
06/06/2023 06:00 PM	0.0	0.0	0.0
06/06/2023 07:00 PM	0.0	0.0	0.0
06/06/2023 08:00 PM	0.0	0.0	0.0
06/06/2023 09:00 PM	0.0	0.0	0.0
06/06/2023 10:00 PM	0.0	0.0	0.0
06/06/2023 11:00 PM	0.0	0.0	0.0
06/07/2023 12:00 AM	0.0	0.0	0.0
06/07/2023 01:00 AM	0.0	0.0	0.0
06/07/2023 02:00 AM	0.0	0.0	0.0
06/07/2023 03:00 AM	0.0	0.0	0.0
06/07/2023 04:00 AM	0.0	0.0	0.0
06/07/2023 05:00 AM	0.0	0.0	0.0
06/07/2023 06:00 AM	0.0	0.0	0.0
06/07/2023 07:00 AM	0.0	0.0	0.0
06/07/2023 08:00 AM	0.0	0.0	0.0
06/07/2023 09:00 AM	0.0	0.0	0.0
06/07/2023 10:00 AM	0.0	0.0	0.0
06/07/2023 11:00 AM	0.0	0.0	0.0
06/07/2023 12:00 PM	0.0	0.0	0.0
06/07/2023 01:00 PM	0.0	0.0	0.0
06/07/2023 02:00 PM	0.0	0.0	0.0
06/07/2023 03:00 PM	0.0	0.0	0.0
06/07/2023 04:00 PM	0.0	0.0	0.0
06/07/2023 05:00 PM	0.0	0.0	0.0
06/07/2023 06:00 PM	0.0	0.0	0.0
06/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/07/2023 08:00 PM	0.0	0.0	0.0
06/07/2023 09:00 PM	0.0	0.0	0.0
06/07/2023 10:00 PM	0.0	0.0	0.0
06/07/2023 11:00 PM	0.0	0.0	0.0
06/08/2023 12:00 AM	0.0	0.0	0.0
06/08/2023 01:00 AM	0.0	0.0	0.0
06/08/2023 02:00 AM	0.0	0.0	0.0
06/08/2023 03:00 AM	0.0	0.0	0.0
06/08/2023 04:00 AM	0.0	0.0	0.0
06/08/2023 05:00 AM	0.0	0.0	0.0
06/08/2023 06:00 AM	0.0	0.0	0.0
06/08/2023 07:00 AM	0.0	0.0	0.0
06/08/2023 08:00 AM	0.0	0.0	0.0
06/08/2023 09:00 AM	0.0	0.0	0.0
06/08/2023 10:00 AM	0.0	0.0	0.0
06/08/2023 11:00 AM	0.0	0.0	0.0
06/08/2023 12:00 PM	0.0	0.0	0.0
06/08/2023 01:00 PM	0.0	0.0	0.0
06/08/2023 02:00 PM	0.0	0.0	0.0
06/08/2023 03:00 PM	0.0	0.0	0.0
06/08/2023 04:00 PM	0.0	0.0	0.0
06/08/2023 05:00 PM	0.0	0.0	0.0
06/08/2023 06:00 PM	0.0	0.0	0.0
06/08/2023 07:00 PM	0.0	0.0	0.0
06/08/2023 08:00 PM	0.0	0.0	0.0
06/08/2023 09:00 PM	0.0	0.0	0.0
06/08/2023 10:00 PM	0.0	0.0	0.0
06/08/2023 11:00 PM	0.0	0.0	0.0
06/09/2023 12:00 AM	0.0	0.0	0.0
06/09/2023 01:00 AM	0.0	0.0	0.0
06/09/2023 02:00 AM	0.0	0.0	0.0
06/09/2023 03:00 AM	0.0	0.0	0.0
06/09/2023 04:00 AM	0.0	0.0	0.0
06/09/2023 05:00 AM	0.0	0.0	0.0
06/09/2023 06:00 AM	0.0	0.0	0.0
06/09/2023 07:00 AM	0.0	0.0	0.0
06/09/2023 08:00 AM	0.0	0.0	0.0
06/09/2023 09:00 AM	0.0	0.0	0.0
06/09/2023 10:00 AM	0.0	0.0	0.0
06/09/2023 11:00 AM	0.0	0.0	0.0
06/09/2023 12:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/09/2023 01:00 PM	0.0	0.0	0.0
06/09/2023 02:00 PM	0.0	0.0	0.0
06/09/2023 03:00 PM	0.0	0.0	0.0
06/09/2023 04:00 PM	0.0	0.0	0.0
06/09/2023 05:00 PM	0.0	0.0	0.0
06/09/2023 06:00 PM	0.0	0.0	0.0
06/09/2023 07:00 PM	0.0	0.0	0.0
06/09/2023 08:00 PM	0.0	0.0	0.0
06/09/2023 09:00 PM	0.0	0.0	0.0
06/09/2023 10:00 PM	0.0	0.0	0.0
06/09/2023 11:00 PM	0.0	0.0	0.0
06/10/2023 12:00 AM	0.0	0.0	0.0
06/10/2023 01:00 AM	0.0	0.0	0.0
06/10/2023 02:00 AM	0.0	0.0	0.0
06/10/2023 03:00 AM	0.0	0.0	0.0
06/10/2023 04:00 AM	0.0	0.0	0.0
06/10/2023 05:00 AM	0.0	0.0	0.0
06/10/2023 06:00 AM	0.0	0.0	0.0
06/10/2023 07:00 AM	0.0	0.0	0.0
06/10/2023 08:00 AM	0.0	0.0	0.0
06/10/2023 09:00 AM	0.0	0.0	0.0
06/10/2023 10:00 AM	0.0	0.0	0.0
06/10/2023 11:00 AM	0.0	0.0	0.0
06/10/2023 12:00 PM	0.0	0.0	0.0
06/10/2023 01:00 PM	0.0	0.0	0.0
06/10/2023 02:00 PM	0.0	0.0	0.0
06/10/2023 03:00 PM	0.0	0.0	0.0
06/10/2023 04:00 PM	0.0	0.0	0.0
06/10/2023 05:00 PM	0.0	0.0	0.0
06/10/2023 06:00 PM	0.0	0.0	0.0
06/10/2023 07:00 PM	0.0	0.0	0.0
06/10/2023 08:00 PM	0.0	0.0	0.0
06/10/2023 09:00 PM	0.0	0.0	0.0
06/10/2023 10:00 PM	0.0	0.0	0.0
06/10/2023 11:00 PM	0.0	0.0	0.0
06/11/2023 12:00 AM	0.0	0.0	0.0
06/11/2023 01:00 AM	0.0	0.0	0.0
06/11/2023 02:00 AM	0.0	0.0	0.0
06/11/2023 03:00 AM	0.0	0.0	0.0
06/11/2023 04:00 AM	0.0	0.0	0.0
06/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/11/2023 06:00 AM	0.0	0.0	0.0
06/11/2023 07:00 AM	0.0	0.0	0.0
06/11/2023 08:00 AM	0.0	0.0	0.0
06/11/2023 09:00 AM	0.0	0.0	0.0
06/11/2023 10:00 AM	0.0	0.0	0.0
06/11/2023 11:00 AM	0.0	0.0	0.0
06/11/2023 12:00 PM	0.0	0.0	0.0
06/11/2023 01:00 PM	0.0	0.0	0.0
06/11/2023 02:00 PM	0.0	0.0	0.0
06/11/2023 03:00 PM	0.0	0.0	0.0
06/11/2023 04:00 PM	0.0	0.0	0.0
06/11/2023 05:00 PM	0.0	0.0	0.0
06/11/2023 06:00 PM	0.0	0.0	0.0
06/11/2023 07:00 PM	0.0	0.0	0.0
06/11/2023 08:00 PM	0.0	0.0	0.0
06/11/2023 09:00 PM	0.0	0.0	0.0
06/11/2023 10:00 PM	0.0	0.0	0.0
06/11/2023 11:00 PM	0.0	0.0	0.0
06/12/2023 12:00 AM	0.0	0.0	0.0
06/12/2023 01:00 AM	0.0	0.0	0.0
06/12/2023 02:00 AM	0.0	0.0	0.0
06/12/2023 03:00 AM	0.0	0.0	0.0
06/12/2023 04:00 AM	0.0	0.0	0.0
06/12/2023 05:00 AM	0.0	0.0	0.0
06/12/2023 06:00 AM	0.0	0.0	0.0
06/12/2023 07:00 AM	0.0	0.0	0.0
06/12/2023 08:00 AM	0.0	0.0	0.0
06/12/2023 09:00 AM	0.0	0.0	0.0
06/12/2023 10:00 AM	0.0	0.0	0.0
06/12/2023 11:00 AM	0.0	0.0	0.0
06/12/2023 12:00 PM	0.0	0.0	0.0
06/12/2023 01:00 PM	0.0	0.0	0.0
06/12/2023 02:00 PM	0.0	0.0	0.0
06/12/2023 03:00 PM	0.0	0.0	0.0
06/12/2023 04:00 PM	0.0	0.0	0.0
06/12/2023 05:00 PM	0.0	0.0	0.0
06/12/2023 06:00 PM	0.0	0.0	0.0
06/12/2023 07:00 PM	0.0	0.0	0.0
06/12/2023 08:00 PM	0.0	0.0	0.0
06/12/2023 09:00 PM	0.0	0.0	0.0
06/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/12/2023 11:00 PM	0.0	0.0	0.0
06/13/2023 12:00 AM	0.0	0.0	0.0
06/13/2023 01:00 AM	0.0	0.0	0.0
06/13/2023 02:00 AM	0.0	0.0	0.0
06/13/2023 03:00 AM	0.0	0.0	0.0
06/13/2023 04:00 AM	0.0	0.0	0.0
06/13/2023 05:00 AM	0.0	0.0	0.0
06/13/2023 06:00 AM	0.0	0.0	0.0
06/13/2023 07:00 AM	1,931.2	0.0	1,786.2
06/13/2023 08:00 AM	1,845.3	1,790.1	1,813.9
06/13/2023 09:00 AM	1,791.3	1,739.5	1,761.4
06/13/2023 10:00 AM	1,743.0	1,725.8	1,731.1
06/13/2023 11:00 AM	1,730.5	1,715.8	1,723.5
06/13/2023 12:00 PM	1,719.8	1,706.9	1,715.0
06/13/2023 01:00 PM	1,712.1	1,691.6	1,704.6
06/13/2023 02:00 PM	1,700.7	1,683.1	1,691.5
06/13/2023 03:00 PM	1,684.7	0.0	84.2
06/13/2023 04:00 PM	0.0	0.0	0.0
06/13/2023 05:00 PM	0.0	0.0	0.0
06/13/2023 06:00 PM	0.0	0.0	0.0
06/13/2023 07:00 PM	0.0	0.0	0.0
06/13/2023 08:00 PM	0.0	0.0	0.0
06/13/2023 09:00 PM	0.0	0.0	0.0
06/13/2023 10:00 PM	0.0	0.0	0.0
06/13/2023 11:00 PM	0.0	0.0	0.0
06/14/2023 12:00 AM	0.0	0.0	0.0
06/14/2023 01:00 AM	0.0	0.0	0.0
06/14/2023 02:00 AM	0.0	0.0	0.0
06/14/2023 03:00 AM	0.0	0.0	0.0
06/14/2023 04:00 AM	0.0	0.0	0.0
06/14/2023 05:00 AM	0.0	0.0	0.0
06/14/2023 06:00 AM	0.0	0.0	0.0
06/14/2023 07:00 AM	0.0	0.0	0.0
06/14/2023 08:00 AM	0.0	0.0	0.0
06/14/2023 09:00 AM	0.0	0.0	0.0
06/14/2023 10:00 AM	0.0	0.0	0.0
06/14/2023 11:00 AM	0.0	0.0	0.0
06/14/2023 12:00 PM	0.0	0.0	0.0
06/14/2023 01:00 PM	0.0	0.0	0.0
06/14/2023 02:00 PM	0.0	0.0	0.0
06/14/2023 03:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/14/2023 04:00 PM	0.0	0.0	0.0
06/14/2023 05:00 PM	0.0	0.0	0.0
06/14/2023 06:00 PM	0.0	0.0	0.0
06/14/2023 07:00 PM	0.0	0.0	0.0
06/14/2023 08:00 PM	0.0	0.0	0.0
06/14/2023 09:00 PM	0.0	0.0	0.0
06/14/2023 10:00 PM	0.0	0.0	0.0
06/14/2023 11:00 PM	0.0	0.0	0.0
06/15/2023 12:00 AM	0.0	0.0	0.0
06/15/2023 01:00 AM	0.0	0.0	0.0
06/15/2023 02:00 AM	0.0	0.0	0.0
06/15/2023 03:00 AM	0.0	0.0	0.0
06/15/2023 04:00 AM	0.0	0.0	0.0
06/15/2023 05:00 AM	0.0	0.0	0.0
06/15/2023 06:00 AM	0.0	0.0	0.0
06/15/2023 07:00 AM	1,836.9	0.0	1,714.4
06/15/2023 08:00 AM	1,791.7	1,730.2	1,759.1
06/15/2023 09:00 AM	1,730.8	1,697.2	1,714.6
06/15/2023 10:00 AM	1,700.0	1,667.1	1,682.4
06/15/2023 11:00 AM	1,674.9	1,650.7	1,659.0
06/15/2023 12:00 PM	1,657.7	1,636.6	1,645.7
06/15/2023 01:00 PM	1,642.7	0.0	82.0
06/15/2023 02:00 PM	0.0	0.0	0.0
06/15/2023 03:00 PM	0.0	0.0	0.0
06/15/2023 04:00 PM	0.0	0.0	0.0
06/15/2023 05:00 PM	0.0	0.0	0.0
06/15/2023 06:00 PM	0.0	0.0	0.0
06/15/2023 07:00 PM	0.0	0.0	0.0
06/15/2023 08:00 PM	0.0	0.0	0.0
06/15/2023 09:00 PM	0.0	0.0	0.0
06/15/2023 10:00 PM	0.0	0.0	0.0
06/15/2023 11:00 PM	0.0	0.0	0.0
06/16/2023 12:00 AM	0.0	0.0	0.0
06/16/2023 01:00 AM	0.0	0.0	0.0
06/16/2023 02:00 AM	0.0	0.0	0.0
06/16/2023 03:00 AM	0.0	0.0	0.0
06/16/2023 04:00 AM	0.0	0.0	0.0
06/16/2023 05:00 AM	0.0	0.0	0.0
06/16/2023 06:00 AM	0.0	0.0	0.0
06/16/2023 07:00 AM	0.0	0.0	0.0
06/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/16/2023 09:00 AM	0.0	0.0	0.0
06/16/2023 10:00 AM	0.0	0.0	0.0
06/16/2023 11:00 AM	0.0	0.0	0.0
06/16/2023 12:00 PM	0.0	0.0	0.0
06/16/2023 01:00 PM	0.0	0.0	0.0
06/16/2023 02:00 PM	0.0	0.0	0.0
06/16/2023 03:00 PM	0.0	0.0	0.0
06/16/2023 04:00 PM	0.0	0.0	0.0
06/16/2023 05:00 PM	0.0	0.0	0.0
06/16/2023 06:00 PM	0.0	0.0	0.0
06/16/2023 07:00 PM	0.0	0.0	0.0
06/16/2023 08:00 PM	0.0	0.0	0.0
06/16/2023 09:00 PM	0.0	0.0	0.0
06/16/2023 10:00 PM	0.0	0.0	0.0
06/16/2023 11:00 PM	0.0	0.0	0.0
06/17/2023 12:00 AM	0.0	0.0	0.0
06/17/2023 01:00 AM	0.0	0.0	0.0
06/17/2023 02:00 AM	0.0	0.0	0.0
06/17/2023 03:00 AM	0.0	0.0	0.0
06/17/2023 04:00 AM	0.0	0.0	0.0
06/17/2023 05:00 AM	0.0	0.0	0.0
06/17/2023 06:00 AM	0.0	0.0	0.0
06/17/2023 07:00 AM	0.0	0.0	0.0
06/17/2023 08:00 AM	0.0	0.0	0.0
06/17/2023 09:00 AM	0.0	0.0	0.0
06/17/2023 10:00 AM	0.0	0.0	0.0
06/17/2023 11:00 AM	0.0	0.0	0.0
06/17/2023 12:00 PM	0.0	0.0	0.0
06/17/2023 01:00 PM	0.0	0.0	0.0
06/17/2023 02:00 PM	0.0	0.0	0.0
06/17/2023 03:00 PM	0.0	0.0	0.0
06/17/2023 04:00 PM	0.0	0.0	0.0
06/17/2023 05:00 PM	0.0	0.0	0.0
06/17/2023 06:00 PM	0.0	0.0	0.0
06/17/2023 07:00 PM	0.0	0.0	0.0
06/17/2023 08:00 PM	0.0	0.0	0.0
06/17/2023 09:00 PM	0.0	0.0	0.0
06/17/2023 10:00 PM	0.0	0.0	0.0
06/17/2023 11:00 PM	0.0	0.0	0.0
06/18/2023 12:00 AM	0.0	0.0	0.0
06/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/18/2023 02:00 AM	0.0	0.0	0.0
06/18/2023 03:00 AM	0.0	0.0	0.0
06/18/2023 04:00 AM	0.0	0.0	0.0
06/18/2023 05:00 AM	0.0	0.0	0.0
06/18/2023 06:00 AM	0.0	0.0	0.0
06/18/2023 07:00 AM	0.0	0.0	0.0
06/18/2023 08:00 AM	0.0	0.0	0.0
06/18/2023 09:00 AM	0.0	0.0	0.0
06/18/2023 10:00 AM	0.0	0.0	0.0
06/18/2023 11:00 AM	0.0	0.0	0.0
06/18/2023 12:00 PM	0.0	0.0	0.0
06/18/2023 01:00 PM	0.0	0.0	0.0
06/18/2023 02:00 PM	0.0	0.0	0.0
06/18/2023 03:00 PM	0.0	0.0	0.0
06/18/2023 04:00 PM	0.0	0.0	0.0
06/18/2023 05:00 PM	0.0	0.0	0.0
06/18/2023 06:00 PM	0.0	0.0	0.0
06/18/2023 07:00 PM	0.0	0.0	0.0
06/18/2023 08:00 PM	0.0	0.0	0.0
06/18/2023 09:00 PM	0.0	0.0	0.0
06/18/2023 10:00 PM	0.0	0.0	0.0
06/18/2023 11:00 PM	0.0	0.0	0.0
06/19/2023 12:00 AM	0.0	0.0	0.0
06/19/2023 01:00 AM	0.0	0.0	0.0
06/19/2023 02:00 AM	0.0	0.0	0.0
06/19/2023 03:00 AM	0.0	0.0	0.0
06/19/2023 04:00 AM	0.0	0.0	0.0
06/19/2023 05:00 AM	0.0	0.0	0.0
06/19/2023 06:00 AM	0.0	0.0	0.0
06/19/2023 07:00 AM	0.0	0.0	0.0
06/19/2023 08:00 AM	0.0	0.0	0.0
06/19/2023 09:00 AM	0.0	0.0	0.0
06/19/2023 10:00 AM	0.0	0.0	0.0
06/19/2023 11:00 AM	0.0	0.0	0.0
06/19/2023 12:00 PM	0.0	0.0	0.0
06/19/2023 01:00 PM	0.0	0.0	0.0
06/19/2023 02:00 PM	0.0	0.0	0.0
06/19/2023 03:00 PM	0.0	0.0	0.0
06/19/2023 04:00 PM	0.0	0.0	0.0
06/19/2023 05:00 PM	0.0	0.0	0.0
06/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/19/2023 07:00 PM	0.0	0.0	0.0
06/19/2023 08:00 PM	0.0	0.0	0.0
06/19/2023 09:00 PM	0.0	0.0	0.0
06/19/2023 10:00 PM	0.0	0.0	0.0
06/19/2023 11:00 PM	0.0	0.0	0.0
06/20/2023 12:00 AM	0.0	0.0	0.0
06/20/2023 01:00 AM	0.0	0.0	0.0
06/20/2023 02:00 AM	0.0	0.0	0.0
06/20/2023 03:00 AM	0.0	0.0	0.0
06/20/2023 04:00 AM	0.0	0.0	0.0
06/20/2023 05:00 AM	0.0	0.0	0.0
06/20/2023 06:00 AM	0.0	0.0	0.0
06/20/2023 07:00 AM	1,850.7	0.0	1,660.2
06/20/2023 08:00 AM	1,723.5	1,696.9	1,707.9
06/20/2023 09:00 AM	1,699.1	1,683.0	1,691.5
06/20/2023 10:00 AM	1,685.8	1,673.8	1,680.5
06/20/2023 11:00 AM	1,680.9	1,660.7	1,671.2
06/20/2023 12:00 PM	1,667.3	1,646.3	1,657.0
06/20/2023 01:00 PM	1,646.3	0.0	82.3
06/20/2023 02:00 PM	0.0	0.0	0.0
06/20/2023 03:00 PM	0.0	0.0	0.0
06/20/2023 04:00 PM	0.0	0.0	0.0
06/20/2023 05:00 PM	0.0	0.0	0.0
06/20/2023 06:00 PM	0.0	0.0	0.0
06/20/2023 07:00 PM	0.0	0.0	0.0
06/20/2023 08:00 PM	0.0	0.0	0.0
06/20/2023 09:00 PM	0.0	0.0	0.0
06/20/2023 10:00 PM	0.0	0.0	0.0
06/20/2023 11:00 PM	0.0	0.0	0.0
06/21/2023 12:00 AM	0.0	0.0	0.0
06/21/2023 01:00 AM	0.0	0.0	0.0
06/21/2023 02:00 AM	0.0	0.0	0.0
06/21/2023 03:00 AM	0.0	0.0	0.0
06/21/2023 04:00 AM	0.0	0.0	0.0
06/21/2023 05:00 AM	0.0	0.0	0.0
06/21/2023 06:00 AM	0.0	0.0	0.0
06/21/2023 07:00 AM	0.0	0.0	0.0
06/21/2023 08:00 AM	0.0	0.0	0.0
06/21/2023 09:00 AM	0.0	0.0	0.0
06/21/2023 10:00 AM	0.0	0.0	0.0
06/21/2023 11:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/21/2023 12:00 PM	0.0	0.0	0.0
06/21/2023 01:00 PM	0.0	0.0	0.0
06/21/2023 02:00 PM	0.0	0.0	0.0
06/21/2023 03:00 PM	0.0	0.0	0.0
06/21/2023 04:00 PM	0.0	0.0	0.0
06/21/2023 05:00 PM	0.0	0.0	0.0
06/21/2023 06:00 PM	0.0	0.0	0.0
06/21/2023 07:00 PM	0.0	0.0	0.0
06/21/2023 08:00 PM	0.0	0.0	0.0
06/21/2023 09:00 PM	0.0	0.0	0.0
06/21/2023 10:00 PM	0.0	0.0	0.0
06/21/2023 11:00 PM	0.0	0.0	0.0
06/22/2023 12:00 AM	0.0	0.0	0.0
06/22/2023 01:00 AM	0.0	0.0	0.0
06/22/2023 02:00 AM	0.0	0.0	0.0
06/22/2023 03:00 AM	0.0	0.0	0.0
06/22/2023 04:00 AM	0.0	0.0	0.0
06/22/2023 05:00 AM	0.0	0.0	0.0
06/22/2023 06:00 AM	0.0	0.0	0.0
06/22/2023 07:00 AM	1,809.5	0.0	1,695.6
06/22/2023 08:00 AM	1,778.4	1,731.0	1,752.4
06/22/2023 09:00 AM	1,734.5	1,693.6	1,712.9
06/22/2023 10:00 AM	1,693.6	1,656.6	1,676.8
06/22/2023 11:00 AM	1,659.4	1,632.7	1,647.0
06/22/2023 12:00 PM	1,640.8	1,614.6	1,627.0
06/22/2023 01:00 PM	1,614.7	0.0	80.6
06/22/2023 02:00 PM	0.0	0.0	0.0
06/22/2023 03:00 PM	0.0	0.0	0.0
06/22/2023 04:00 PM	0.0	0.0	0.0
06/22/2023 05:00 PM	0.0	0.0	0.0
06/22/2023 06:00 PM	0.0	0.0	0.0
06/22/2023 07:00 PM	0.0	0.0	0.0
06/22/2023 08:00 PM	0.0	0.0	0.0
06/22/2023 09:00 PM	0.0	0.0	0.0
06/22/2023 10:00 PM	0.0	0.0	0.0
06/22/2023 11:00 PM	0.0	0.0	0.0
06/23/2023 12:00 AM	0.0	0.0	0.0
06/23/2023 01:00 AM	0.0	0.0	0.0
06/23/2023 02:00 AM	0.0	0.0	0.0
06/23/2023 03:00 AM	0.0	0.0	0.0
06/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/23/2023 05:00 AM	0.0	0.0	0.0
06/23/2023 06:00 AM	0.0	0.0	0.0
06/23/2023 07:00 AM	0.0	0.0	0.0
06/23/2023 08:00 AM	0.0	0.0	0.0
06/23/2023 09:00 AM	0.0	0.0	0.0
06/23/2023 10:00 AM	0.0	0.0	0.0
06/23/2023 11:00 AM	0.0	0.0	0.0
06/23/2023 12:00 PM	0.0	0.0	0.0
06/23/2023 01:00 PM	0.0	0.0	0.0
06/23/2023 02:00 PM	0.0	0.0	0.0
06/23/2023 03:00 PM	0.0	0.0	0.0
06/23/2023 04:00 PM	0.0	0.0	0.0
06/23/2023 05:00 PM	0.0	0.0	0.0
06/23/2023 06:00 PM	0.0	0.0	0.0
06/23/2023 07:00 PM	0.0	0.0	0.0
06/23/2023 08:00 PM	0.0	0.0	0.0
06/23/2023 09:00 PM	0.0	0.0	0.0
06/23/2023 10:00 PM	0.0	0.0	0.0
06/23/2023 11:00 PM	0.0	0.0	0.0
06/24/2023 12:00 AM	0.0	0.0	0.0
06/24/2023 01:00 AM	0.0	0.0	0.0
06/24/2023 02:00 AM	0.0	0.0	0.0
06/24/2023 03:00 AM	0.0	0.0	0.0
06/24/2023 04:00 AM	0.0	0.0	0.0
06/24/2023 05:00 AM	0.0	0.0	0.0
06/24/2023 06:00 AM	0.0	0.0	0.0
06/24/2023 07:00 AM	0.0	0.0	0.0
06/24/2023 08:00 AM	0.0	0.0	0.0
06/24/2023 09:00 AM	0.0	0.0	0.0
06/24/2023 10:00 AM	0.0	0.0	0.0
06/24/2023 11:00 AM	0.0	0.0	0.0
06/24/2023 12:00 PM	0.0	0.0	0.0
06/24/2023 01:00 PM	0.0	0.0	0.0
06/24/2023 02:00 PM	0.0	0.0	0.0
06/24/2023 03:00 PM	0.0	0.0	0.0
06/24/2023 04:00 PM	0.0	0.0	0.0
06/24/2023 05:00 PM	0.0	0.0	0.0
06/24/2023 06:00 PM	0.0	0.0	0.0
06/24/2023 07:00 PM	0.0	0.0	0.0
06/24/2023 08:00 PM	0.0	0.0	0.0
06/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/24/2023 10:00 PM	0.0	0.0	0.0
06/24/2023 11:00 PM	0.0	0.0	0.0
06/25/2023 12:00 AM	0.0	0.0	0.0
06/25/2023 01:00 AM	0.0	0.0	0.0
06/25/2023 02:00 AM	0.0	0.0	0.0
06/25/2023 03:00 AM	0.0	0.0	0.0
06/25/2023 04:00 AM	0.0	0.0	0.0
06/25/2023 05:00 AM	0.0	0.0	0.0
06/25/2023 06:00 AM	0.0	0.0	0.0
06/25/2023 07:00 AM	0.0	0.0	0.0
06/25/2023 08:00 AM	0.0	0.0	0.0
06/25/2023 09:00 AM	0.0	0.0	0.0
06/25/2023 10:00 AM	0.0	0.0	0.0
06/25/2023 11:00 AM	0.0	0.0	0.0
06/25/2023 12:00 PM	0.0	0.0	0.0
06/25/2023 01:00 PM	0.0	0.0	0.0
06/25/2023 02:00 PM	0.0	0.0	0.0
06/25/2023 03:00 PM	0.0	0.0	0.0
06/25/2023 04:00 PM	0.0	0.0	0.0
06/25/2023 05:00 PM	0.0	0.0	0.0
06/25/2023 06:00 PM	0.0	0.0	0.0
06/25/2023 07:00 PM	0.0	0.0	0.0
06/25/2023 08:00 PM	0.0	0.0	0.0
06/25/2023 09:00 PM	0.0	0.0	0.0
06/25/2023 10:00 PM	0.0	0.0	0.0
06/25/2023 11:00 PM	0.0	0.0	0.0
06/26/2023 12:00 AM	0.0	0.0	0.0
06/26/2023 01:00 AM	0.0	0.0	0.0
06/26/2023 02:00 AM	0.0	0.0	0.0
06/26/2023 03:00 AM	0.0	0.0	0.0
06/26/2023 04:00 AM	0.0	0.0	0.0
06/26/2023 05:00 AM	0.0	0.0	0.0
06/26/2023 06:00 AM	0.0	0.0	0.0
06/26/2023 07:00 AM	0.0	0.0	0.0
06/26/2023 08:00 AM	0.0	0.0	0.0
06/26/2023 09:00 AM	0.0	0.0	0.0
06/26/2023 10:00 AM	0.0	0.0	0.0
06/26/2023 11:00 AM	0.0	0.0	0.0
06/26/2023 12:00 PM	0.0	0.0	0.0
06/26/2023 01:00 PM	0.0	0.0	0.0
06/26/2023 02:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/26/2023 03:00 PM	0.0	0.0	0.0
06/26/2023 04:00 PM	0.0	0.0	0.0
06/26/2023 05:00 PM	0.0	0.0	0.0
06/26/2023 06:00 PM	0.0	0.0	0.0
06/26/2023 07:00 PM	0.0	0.0	0.0
06/26/2023 08:00 PM	0.0	0.0	0.0
06/26/2023 09:00 PM	0.0	0.0	0.0
06/26/2023 10:00 PM	0.0	0.0	0.0
06/26/2023 11:00 PM	0.0	0.0	0.0
06/27/2023 12:00 AM	0.0	0.0	0.0
06/27/2023 01:00 AM	0.0	0.0	0.0
06/27/2023 02:00 AM	0.0	0.0	0.0
06/27/2023 03:00 AM	0.0	0.0	0.0
06/27/2023 04:00 AM	0.0	0.0	0.0
06/27/2023 05:00 AM	0.0	0.0	0.0
06/27/2023 06:00 AM	0.0	0.0	0.0
06/27/2023 07:00 AM	1,734.7	0.0	1,617.7
06/27/2023 08:00 AM	1,711.8	1,671.9	1,690.2
06/27/2023 09:00 AM	1,680.4	1,668.6	1,675.0
06/27/2023 10:00 AM	1,678.8	1,664.6	1,672.2
06/27/2023 11:00 AM	1,670.6	1,653.6	1,662.8
06/27/2023 12:00 PM	1,661.5	1,637.5	1,650.1
06/27/2023 01:00 PM	1,645.0	0.0	82.3
06/27/2023 02:00 PM	0.0	0.0	0.0
06/27/2023 03:00 PM	0.0	0.0	0.0
06/27/2023 04:00 PM	0.0	0.0	0.0
06/27/2023 05:00 PM	0.0	0.0	0.0
06/27/2023 06:00 PM	0.0	0.0	0.0
06/27/2023 07:00 PM	0.0	0.0	0.0
06/27/2023 08:00 PM	0.0	0.0	0.0
06/27/2023 09:00 PM	0.0	0.0	0.0
06/27/2023 10:00 PM	0.0	0.0	0.0
06/27/2023 11:00 PM	0.0	0.0	0.0
06/28/2023 12:00 AM	0.0	0.0	0.0
06/28/2023 01:00 AM	0.0	0.0	0.0
06/28/2023 02:00 AM	0.0	0.0	0.0
06/28/2023 03:00 AM	0.0	0.0	0.0
06/28/2023 04:00 AM	0.0	0.0	0.0
06/28/2023 05:00 AM	0.0	0.0	0.0
06/28/2023 06:00 AM	0.0	0.0	0.0
06/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/28/2023 08:00 AM	0.0	0.0	0.0
06/28/2023 09:00 AM	0.0	0.0	0.0
06/28/2023 10:00 AM	0.0	0.0	0.0
06/28/2023 11:00 AM	0.0	0.0	0.0
06/28/2023 12:00 PM	0.0	0.0	0.0
06/28/2023 01:00 PM	0.0	0.0	0.0
06/28/2023 02:00 PM	0.0	0.0	0.0
06/28/2023 03:00 PM	0.0	0.0	0.0
06/28/2023 04:00 PM	0.0	0.0	0.0
06/28/2023 05:00 PM	0.0	0.0	0.0
06/28/2023 06:00 PM	0.0	0.0	0.0
06/28/2023 07:00 PM	0.0	0.0	0.0
06/28/2023 08:00 PM	0.0	0.0	0.0
06/28/2023 09:00 PM	0.0	0.0	0.0
06/28/2023 10:00 PM	0.0	0.0	0.0
06/28/2023 11:00 PM	0.0	0.0	0.0
06/29/2023 12:00 AM	0.0	0.0	0.0
06/29/2023 01:00 AM	0.0	0.0	0.0
06/29/2023 02:00 AM	0.0	0.0	0.0
06/29/2023 03:00 AM	0.0	0.0	0.0
06/29/2023 04:00 AM	0.0	0.0	0.0
06/29/2023 05:00 AM	0.0	0.0	0.0
06/29/2023 06:00 AM	0.0	0.0	0.0
06/29/2023 07:00 AM	3,141.3	0.0	1,717.5
06/29/2023 08:00 AM	1,722.7	1,675.1	1,693.8
06/29/2023 09:00 AM	1,686.4	1,657.4	1,671.6
06/29/2023 10:00 AM	1,660.3	1,628.0	1,643.6
06/29/2023 11:00 AM	1,633.3	1,600.4	1,618.4
06/29/2023 12:00 PM	1,608.7	1,583.3	1,598.6
06/29/2023 01:00 PM	1,598.4	0.0	79.9
06/29/2023 02:00 PM	0.0	0.0	0.0
06/29/2023 03:00 PM	0.0	0.0	0.0
06/29/2023 04:00 PM	0.0	0.0	0.0
06/29/2023 05:00 PM	0.0	0.0	0.0
06/29/2023 06:00 PM	0.0	0.0	0.0
06/29/2023 07:00 PM	0.0	0.0	0.0
06/29/2023 08:00 PM	0.0	0.0	0.0
06/29/2023 09:00 PM	0.0	0.0	0.0
06/29/2023 10:00 PM	0.0	0.0	0.0
06/29/2023 11:00 PM	0.0	0.0	0.0
06/30/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
June 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
06/30/2023 01:00 AM	0.0	0.0	0.0
06/30/2023 02:00 AM	0.0	0.0	0.0
06/30/2023 03:00 AM	0.0	0.0	0.0
06/30/2023 04:00 AM	0.0	0.0	0.0
06/30/2023 05:00 AM	0.0	0.0	0.0
06/30/2023 06:00 AM	0.0	0.0	0.0
06/30/2023 07:00 AM	0.0	0.0	0.0
06/30/2023 08:00 AM	0.0	0.0	0.0
06/30/2023 09:00 AM	0.0	0.0	0.0
06/30/2023 10:00 AM	0.0	0.0	0.0
06/30/2023 11:00 AM	0.0	0.0	0.0
06/30/2023 12:00 PM	0.0	0.0	0.0
06/30/2023 01:00 PM	0.0	0.0	0.0
06/30/2023 02:00 PM	0.0	0.0	0.0
06/30/2023 03:00 PM	0.0	0.0	0.0
06/30/2023 04:00 PM	0.0	0.0	0.0
06/30/2023 05:00 PM	0.0	0.0	0.0
06/30/2023 06:00 PM	0.0	0.0	0.0
06/30/2023 07:00 PM	0.0	0.0	0.0
06/30/2023 08:00 PM	0.0	0.0	0.0
06/30/2023 09:00 PM	0.0	0.0	0.0
06/30/2023 10:00 PM	0.0	0.0	0.0
06/30/2023 11:00 PM	0.0	0.0	0.0

July 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
July 2023

Date	Raw Water	Finished Water
07/01/2023	334,362	324,345
07/02/2023	341,360	334,801
07/03/2023	345,801	344,387
07/04/2023	346,774	331,122
07/05/2023	306,113	306,474
07/06/2023	381,128	372,265
07/07/2023	308,291	300,580
07/08/2023	296,672	282,159
07/09/2023	291,906	281,921
07/10/2023	317,325	317,585
07/11/2023	373,201	363,031
07/12/2023	277,980	265,050
07/13/2023	266,166	258,397
07/14/2023	174,833	181,921
07/15/2023	350,407	333,440
07/16/2023	338,731	331,794
07/17/2023	349,425	342,581
07/18/2023	369,224	365,846
07/19/2023	349,969	333,960
07/20/2023	373,853	363,118
07/21/2023	339,547	340,980
07/22/2023	351,711	335,367
07/23/2023	339,152	329,609
07/24/2023	344,906	342,909
07/25/2023	374,228	364,848
07/26/2023	346,690	328,683
07/27/2023	373,522	361,648
07/28/2023	342,761	341,727
07/29/2023	347,110	330,948
07/30/2023	339,060	334,100
07/31/2023	350,767	340,838
Totals:	**10,342,971**	**10,086,435**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
July 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
07/01/2023	7.7	6.6	7.4	8.0
07/02/2023	7.5	7.1	7.6	8.4
07/03/2023	10.3	4.6	8.7	7.7
07/04/2023	10.3	4.6	7.3	8.4
07/05/2023	7.8	5.8	5.8	8.8
07/06/2023	10.0	8.0	7.6	10.3
07/07/2023	7.7	7.6	7.2	7.2
07/08/2023	7.9	6.6	5.9	7.6
07/09/2023	8.1	6.5	5.8	7.7
07/10/2023	8.3	7.4	7.4	7.8
07/11/2023	13.5	4.9	14.5	2.8
07/12/2023	9.6	4.5	8.1	4.6
07/13/2023	4.1	9.1	8.2	4.1
07/14/2023	5.7	2.7	4.5	4.3
07/15/2023	9.2	5.5	7.7	8.6
07/16/2023	9.0	5.2	7.5	8.6
07/17/2023	9.2	5.5	8.3	8.3
07/18/2023	8.7	6.7	9.8	7.9
07/19/2023	9.5	5.1	8.3	7.9
07/20/2023	7.7	7.9	9.4	8.3
07/21/2023	6.3	7.9	8.3	8.3
07/22/2023	6.0	8.6	7.7	8.6
07/23/2023	5.9	8.3	7.5	8.6
07/24/2023	6.2	8.2	8.2	8.5
07/25/2023	8.3	7.3	9.9	7.9
07/26/2023	9.6	4.9	8.3	7.7
07/27/2023	7.7	7.9	8.6	9.1
07/28/2023	5.9	8.4	8.3	8.4
07/29/2023	5.5	8.9	7.5	8.6
07/30/2023	5.9	8.3	7.7	8.6
07/31/2023	5.8	8.8	8.3	8.2
Totals:	**245.1**	**209.5**	**247.4**	**240.0**
	454.7		**487.4**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
July 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
07/01/2023	0.0	14.4	0.0	15.4
07/02/2023	0.0	14.7	0.0	16.0
07/03/2023	0.0	15.0	0.0	16.4
07/04/2023	0.0	15.0	0.0	15.7
07/05/2023	0.0	13.7	0.0	14.6
07/06/2023	0.0	18.1	0.0	17.9
07/07/2023	0.0	15.3	0.0	14.4
07/08/2023	0.0	14.6	0.0	13.5
07/09/2023	0.0	14.6	0.0	13.5
07/10/2023	0.0	15.8	0.0	15.2
07/11/2023	0.0	18.4	0.0	17.3
07/12/2023	0.0	14.2	0.0	12.7
07/13/2023	0.0	13.2	0.0	12.3
07/14/2023	0.0	8.5	0.0	8.9
07/15/2023	0.0	14.7	0.0	16.4
07/16/2023	0.0	14.2	0.0	16.2
07/17/2023	0.0	14.7	0.0	16.7
07/18/2023	0.0	15.5	0.0	17.8
07/19/2023	0.0	14.7	0.0	16.3
07/20/2023	0.0	15.7	0.0	17.7
07/21/2023	0.0	14.3	0.0	16.6
07/22/2023	0.0	14.8	0.0	16.4
07/23/2023	0.0	14.2	0.0	16.1
07/24/2023	0.0	14.5	0.0	16.8
07/25/2023	0.0	15.7	0.0	17.8
07/26/2023	0.0	14.6	0.0	16.1
07/27/2023	0.0	15.7	0.0	17.7
07/28/2023	0.0	14.4	0.0	16.8
07/29/2023	0.0	14.6	0.0	16.2
07/30/2023	0.0	14.3	0.0	16.3
07/31/2023	0.0	14.7	0.0	16.6
Totals:	**0.0**	**456.6**	**0.0**	**488.4**
	456.6		**488.4**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
July 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
07/01/2023	0.0	0	24.0	320,901
07/02/2023	0.0	0	24.0	339,272
07/03/2023	0.0	0	24.0	339,263
07/04/2023	6.0	30,279	24.0	339,249
07/05/2023	0.0	0	24.0	322,990
07/06/2023	14.0	72,546	24.0	323,693
07/07/2023	0.0	28	24.0	332,097
07/08/2023	0.0	0	24.0	338,997
07/09/2023	0.0	0	24.0	338,980
07/10/2023	1.0	4,869	24.0	339,209
07/11/2023	13.0	65,648	24.0	339,176
07/12/2023	0.0	0	24.0	339,107
07/13/2023	6.0	30,287	19.0	261,845
07/14/2023	0.0	0	12.0	168,477
07/15/2023	0.0	0	24.0	339,093
07/16/2023	0.0	0	24.0	339,115
07/17/2023	0.0	0	24.0	339,042
07/18/2023	6.0	30,225	24.0	339,025
07/19/2023	0.0	0	24.0	339,018
07/20/2023	6.0	30,231	24.0	339,035
07/21/2023	0.0	0	24.0	339,045
07/22/2023	0.0	0	24.0	339,019
07/23/2023	0.0	0	24.0	338,946
07/24/2023	0.0	0	24.0	338,980
07/25/2023	6.0	30,139	24.0	339,065
07/26/2023	0.0	0	24.0	339,044
07/27/2023	6.0	30,156	24.0	339,037
07/28/2023	0.0	0	24.0	339,047
07/29/2023	0.0	0	24.0	339,061
07/30/2023	0.0	0	24.0	339,063
07/31/2023	0.0	0	24.0	339,019
Totals:	**64.0**	**324,408**	**727.0**	**10,206,911**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/01/2023 12:00 AM	0.0	200.0	281.7	222.4
07/01/2023 01:00 AM	0.0	200.0	281.6	222.4
07/01/2023 02:00 AM	0.0	200.0	281.6	222.4
07/01/2023 03:00 AM	0.0	200.0	281.6	222.4
07/01/2023 04:00 AM	0.0	200.0	281.7	222.4
07/01/2023 05:00 AM	0.0	200.0	281.7	222.4
07/01/2023 06:00 AM	0.0	200.0	281.6	222.4
07/01/2023 07:00 AM	0.0	200.0	281.6	222.4
07/01/2023 08:00 AM	0.0	200.0	281.7	222.4
07/01/2023 09:00 AM	0.0	200.0	281.7	222.4
07/01/2023 10:00 AM	0.0	200.0	281.8	222.4
07/01/2023 11:00 AM	0.0	200.0	281.8	222.4
07/01/2023 12:00 PM	0.0	200.0	281.8	222.4
07/01/2023 01:00 PM	0.0	200.0	281.8	222.4
07/01/2023 02:00 PM	0.0	200.0	281.8	222.4
07/01/2023 03:00 PM	0.0	200.0	280.8	222.4
07/01/2023 04:00 PM	0.0	199.9	257.9	222.4
07/01/2023 05:00 PM	0.0	199.8	260.7	222.4
07/01/2023 06:00 PM	0.0	199.7	263.9	222.4
07/01/2023 07:00 PM	0.0	199.6	270.3	222.4
07/01/2023 08:00 PM	0.0	199.7	271.9	222.4
07/01/2023 09:00 PM	0.0	199.7	274.2	222.4
07/01/2023 10:00 PM	0.0	199.7	279.8	222.4
07/01/2023 11:00 PM	0.0	199.8	281.4	222.4
07/02/2023 12:00 AM	0.0	199.8	281.5	222.4
07/02/2023 01:00 AM	0.0	199.9	281.5	222.4
07/02/2023 02:00 AM	0.0	199.9	281.6	222.4
07/02/2023 03:00 AM	0.0	200.0	281.6	222.4
07/02/2023 04:00 AM	0.0	200.1	281.7	222.4
07/02/2023 05:00 AM	0.0	200.2	281.7	222.4
07/02/2023 06:00 AM	0.0	200.2	281.8	222.4
07/02/2023 07:00 AM	0.0	200.3	281.8	222.4
07/02/2023 08:00 AM	0.0	200.3	281.9	222.4
07/02/2023 09:00 AM	0.0	200.3	281.9	222.4
07/02/2023 10:00 AM	0.0	200.3	281.9	222.4
07/02/2023 11:00 AM	0.0	200.3	281.9	222.4
07/02/2023 12:00 PM	0.0	200.3	281.9	222.4
07/02/2023 01:00 PM	0.0	200.2	281.9	222.4
07/02/2023 02:00 PM	0.0	200.2	281.9	222.4
07/02/2023 03:00 PM	0.0	200.2	281.9	222.4
07/02/2023 04:00 PM	0.0	200.1	281.9	222.4
07/02/2023 05:00 PM	0.0	200.1	281.8	222.4
07/02/2023 06:00 PM	0.0	200.1	281.7	222.4
07/02/2023 07:00 PM	0.0	200.0	281.8	222.4
07/02/2023 08:00 PM	0.0	200.0	281.7	222.4
07/02/2023 09:00 PM	0.0	200.0	281.7	222.4
07/02/2023 10:00 PM	0.0	200.0	281.7	222.4
07/02/2023 11:00 PM	0.0	200.1	281.8	222.4
07/03/2023 12:00 AM	0.0	200.1	281.8	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/03/2023 01:00 AM	0.0	200.2	281.8	222.4
07/03/2023 02:00 AM	0.0	200.2	281.8	222.4
07/03/2023 03:00 AM	0.0	200.3	281.9	222.4
07/03/2023 04:00 AM	0.0	200.3	281.9	222.4
07/03/2023 05:00 AM	0.0	200.4	281.9	222.4
07/03/2023 06:00 AM	0.0	200.4	281.9	222.4
07/03/2023 07:00 AM	0.0	200.5	282.0	222.4
07/03/2023 08:00 AM	0.0	200.5	282.0	222.4
07/03/2023 09:00 AM	0.0	200.5	282.0	222.4
07/03/2023 10:00 AM	0.0	200.5	282.1	222.4
07/03/2023 11:00 AM	0.0	200.4	282.1	222.4
07/03/2023 12:00 PM	0.0	200.4	282.1	222.4
07/03/2023 01:00 PM	0.0	200.4	282.0	222.4
07/03/2023 02:00 PM	0.0	200.3	282.0	222.4
07/03/2023 03:00 PM	0.0	200.3	282.0	222.4
07/03/2023 04:00 PM	0.0	200.2	282.0	222.4
07/03/2023 05:00 PM	0.0	200.2	281.9	222.4
07/03/2023 06:00 PM	0.0	200.1	281.8	222.4
07/03/2023 07:00 PM	0.0	200.1	281.8	222.4
07/03/2023 08:00 PM	0.0	200.1	281.8	222.4
07/03/2023 09:00 PM	0.0	200.1	281.7	222.4
07/03/2023 10:00 PM	0.0	200.1	281.8	222.4
07/03/2023 11:00 PM	0.0	200.1	281.8	222.4
07/04/2023 12:00 AM	0.0	200.1	281.8	222.4
07/04/2023 01:00 AM	0.0	200.1	281.7	222.4
07/04/2023 02:00 AM	0.0	200.1	281.8	222.4
07/04/2023 03:00 AM	0.0	200.2	281.8	222.4
07/04/2023 04:00 AM	0.0	200.2	281.8	222.4
07/04/2023 05:00 AM	0.0	200.2	281.8	222.4
07/04/2023 06:00 AM	0.0	200.3	281.8	222.4
07/04/2023 07:00 AM	193.7	200.3	281.8	222.4
07/04/2023 08:00 AM	208.1	200.3	282.0	222.4
07/04/2023 09:00 AM	208.2	200.3	282.1	222.4
07/04/2023 10:00 AM	208.3	200.3	282.2	222.4
07/04/2023 11:00 AM	208.4	200.3	282.3	222.4
07/04/2023 12:00 PM	208.4	200.3	282.3	222.4
07/04/2023 01:00 PM	10.4	201.1	282.4	222.4
07/04/2023 02:00 PM	0.0	200.7	282.2	222.4
07/04/2023 03:00 PM	0.0	200.5	282.2	222.4
07/04/2023 04:00 PM	0.0	200.4	282.1	222.4
07/04/2023 05:00 PM	0.0	200.3	282.1	222.4
07/04/2023 06:00 PM	0.0	200.2	282.0	222.4
07/04/2023 07:00 PM	0.0	200.2	281.9	222.4
07/04/2023 08:00 PM	0.0	200.1	281.9	222.4
07/04/2023 09:00 PM	0.0	200.1	281.8	222.4
07/04/2023 10:00 PM	0.0	200.1	281.8	222.4
07/04/2023 11:00 PM	0.0	200.1	281.8	222.4
07/05/2023 12:00 AM	0.0	200.1	281.8	222.4
07/05/2023 01:00 AM	0.0	200.1	281.8	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/05/2023 02:00 AM	0.0	200.1	281.8	222.4
07/05/2023 03:00 AM	0.0	200.1	281.8	222.4
07/05/2023 04:00 AM	0.0	200.1	281.8	222.4
07/05/2023 05:00 AM	0.0	200.1	281.8	222.4
07/05/2023 06:00 AM	0.0	200.1	281.8	222.4
07/05/2023 07:00 AM	0.0	200.1	281.8	222.4
07/05/2023 08:00 AM	0.0	200.1	281.8	222.4
07/05/2023 09:00 AM	0.0	200.1	281.8	222.4
07/05/2023 10:00 AM	0.0	200.1	281.8	222.4
07/05/2023 11:00 AM	0.0	200.1	281.9	222.4
07/05/2023 12:00 PM	0.0	200.1	281.9	222.4
07/05/2023 01:00 PM	0.0	200.1	281.9	222.4
07/05/2023 02:00 PM	0.0	200.1	281.9	222.4
07/05/2023 03:00 PM	0.0	200.0	281.9	222.4
07/05/2023 04:00 PM	0.0	200.0	261.9	222.4
07/05/2023 05:00 PM	0.0	199.9	263.1	222.4
07/05/2023 06:00 PM	0.0	199.8	265.0	222.4
07/05/2023 07:00 PM	0.0	199.7	267.3	222.4
07/05/2023 08:00 PM	0.0	199.7	272.5	222.4
07/05/2023 09:00 PM	0.0	199.7	278.2	222.4
07/05/2023 10:00 PM	0.0	199.7	281.5	222.4
07/05/2023 11:00 PM	0.0	199.8	281.6	222.4
07/06/2023 12:00 AM	0.0	199.9	281.6	222.4
07/06/2023 01:00 AM	0.0	199.9	281.7	222.4
07/06/2023 02:00 AM	0.0	200.0	281.8	222.4
07/06/2023 03:00 AM	0.0	200.1	281.8	222.4
07/06/2023 04:00 AM	0.0	200.1	281.8	222.4
07/06/2023 05:00 AM	0.0	200.2	281.9	222.4
07/06/2023 06:00 AM	0.0	200.1	281.8	222.4
07/06/2023 07:00 AM	197.0	200.1	281.9	222.4
07/06/2023 08:00 AM	207.9	200.1	282.0	222.4
07/06/2023 09:00 AM	110.7	200.8	282.1	222.4
07/06/2023 10:00 AM	207.9	200.6	282.2	222.4
07/06/2023 11:00 AM	208.1	200.6	282.3	222.4
07/06/2023 12:00 PM	208.2	200.6	282.3	222.4
07/06/2023 01:00 PM	208.2	200.6	282.4	222.4
07/06/2023 02:00 PM	208.3	200.6	282.4	222.4
07/06/2023 03:00 PM	208.3	200.6	281.9	222.4
07/06/2023 04:00 PM	208.3	200.6	261.5	222.4
07/06/2023 05:00 PM	208.2	200.6	262.5	222.4
07/06/2023 06:00 PM	111.0	200.9	267.3	222.4
07/06/2023 07:00 PM	0.0	200.4	270.8	222.4
07/06/2023 08:00 PM	65.5	200.2	274.3	222.4
07/06/2023 09:00 PM	207.6	200.2	279.0	222.4
07/06/2023 10:00 PM	207.9	200.2	282.0	222.4
07/06/2023 11:00 PM	208.1	200.2	282.2	222.4
07/07/2023 12:00 AM	10.4	200.8	282.2	222.4
07/07/2023 01:00 AM	0.0	200.4	282.1	222.4
07/07/2023 02:00 AM	0.0	200.3	282.1	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/07/2023 03:00 AM	0.0	200.3	282.0	222.4
07/07/2023 04:00 AM	0.0	200.2	282.0	222.4
07/07/2023 05:00 AM	0.0	200.2	282.0	222.4
07/07/2023 06:00 AM	0.0	200.2	281.9	222.4
07/07/2023 07:00 AM	0.0	200.1	281.9	222.4
07/07/2023 08:00 AM	0.0	200.1	281.9	222.4
07/07/2023 09:00 AM	0.0	200.1	281.9	222.4
07/07/2023 10:00 AM	0.0	200.1	281.9	222.4
07/07/2023 11:00 AM	0.0	200.1	282.0	222.4
07/07/2023 12:00 PM	0.0	200.0	282.0	222.4
07/07/2023 01:00 PM	0.0	200.0	282.0	222.4
07/07/2023 02:00 PM	0.0	200.0	282.0	222.4
07/07/2023 03:00 PM	0.0	200.0	282.0	222.4
07/07/2023 04:00 PM	0.0	200.0	264.1	222.4
07/07/2023 05:00 PM	0.0	199.9	265.1	222.4
07/07/2023 06:00 PM	0.0	199.8	280.6	222.4
07/07/2023 07:00 PM	0.0	199.8	281.7	222.4
07/07/2023 08:00 PM	0.0	199.8	281.7	222.4
07/07/2023 09:00 PM	0.0	199.8	281.6	222.4
07/07/2023 10:00 PM	0.0	199.9	281.7	222.4
07/07/2023 11:00 PM	0.0	199.9	281.7	222.4
07/08/2023 12:00 AM	0.0	199.9	281.7	222.4
07/08/2023 01:00 AM	0.0	199.9	281.7	222.4
07/08/2023 02:00 AM	0.0	200.0	281.7	222.4
07/08/2023 03:00 AM	0.0	200.0	281.8	222.4
07/08/2023 04:00 AM	0.0	200.0	281.8	222.4
07/08/2023 05:00 AM	0.0	200.0	281.8	222.4
07/08/2023 06:00 AM	0.0	200.0	281.8	222.4
07/08/2023 07:00 AM	0.0	200.0	281.8	222.4
07/08/2023 08:00 AM	0.0	199.9	281.8	222.4
07/08/2023 09:00 AM	0.0	199.9	281.8	222.4
07/08/2023 10:00 AM	0.0	199.9	281.8	222.4
07/08/2023 11:00 AM	0.0	199.9	281.8	222.4
07/08/2023 12:00 PM	0.0	199.9	281.8	222.4
07/08/2023 01:00 PM	0.0	199.9	281.8	222.4
07/08/2023 02:00 PM	0.0	199.9	281.8	222.4
07/08/2023 03:00 PM	0.0	199.9	281.8	222.4
07/08/2023 04:00 PM	0.0	199.9	281.8	222.4
07/08/2023 05:00 PM	0.0	199.9	281.8	222.4
07/08/2023 06:00 PM	0.0	199.9	281.8	222.4
07/08/2023 07:00 PM	0.0	199.9	281.8	222.4
07/08/2023 08:00 PM	0.0	199.9	281.8	222.4
07/08/2023 09:00 PM	0.0	199.9	281.8	222.4
07/08/2023 10:00 PM	0.0	199.9	281.8	222.4
07/08/2023 11:00 PM	0.0	199.9	281.8	222.4
07/09/2023 12:00 AM	0.0	199.9	281.8	222.4
07/09/2023 01:00 AM	0.0	200.0	281.8	222.4
07/09/2023 02:00 AM	0.0	200.0	281.8	222.4
07/09/2023 03:00 AM	0.0	200.0	281.8	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/09/2023 04:00 AM	0.0	200.0	281.8	222.4
07/09/2023 05:00 AM	0.0	200.0	281.8	222.4
07/09/2023 06:00 AM	0.0	200.0	281.8	222.4
07/09/2023 07:00 AM	0.0	200.0	281.9	222.4
07/09/2023 08:00 AM	0.0	200.0	281.9	222.4
07/09/2023 09:00 AM	0.0	200.0	281.9	222.4
07/09/2023 10:00 AM	0.0	200.0	281.9	222.4
07/09/2023 11:00 AM	0.0	200.0	281.9	222.4
07/09/2023 12:00 PM	0.0	200.0	281.9	222.4
07/09/2023 01:00 PM	0.0	200.0	281.9	222.4
07/09/2023 02:00 PM	0.0	200.0	281.9	222.4
07/09/2023 03:00 PM	0.0	200.0	281.9	222.4
07/09/2023 04:00 PM	0.0	200.0	281.9	222.4
07/09/2023 05:00 PM	0.0	200.0	281.9	222.4
07/09/2023 06:00 PM	0.0	200.0	281.9	222.4
07/09/2023 07:00 PM	0.0	199.9	281.9	222.4
07/09/2023 08:00 PM	0.0	199.9	281.9	222.4
07/09/2023 09:00 PM	0.0	199.9	281.9	222.4
07/09/2023 10:00 PM	0.0	199.9	281.9	222.4
07/09/2023 11:00 PM	0.0	200.0	281.9	222.4
07/10/2023 12:00 AM	0.0	200.0	281.9	222.4
07/10/2023 01:00 AM	0.0	200.0	281.9	222.4
07/10/2023 02:00 AM	0.0	200.1	281.9	222.4
07/10/2023 03:00 AM	0.0	200.2	282.0	222.4
07/10/2023 04:00 AM	0.0	200.3	282.0	222.4
07/10/2023 05:00 AM	0.0	200.3	282.1	222.4
07/10/2023 06:00 AM	0.0	200.4	282.1	222.4
07/10/2023 07:00 AM	0.0	200.4	282.2	222.4
07/10/2023 08:00 AM	0.0	200.4	282.2	222.4
07/10/2023 09:00 AM	0.0	200.4	282.3	222.4
07/10/2023 10:00 AM	0.0	200.4	282.3	222.4
07/10/2023 11:00 AM	0.0	200.3	282.3	222.4
07/10/2023 12:00 PM	0.0	200.3	282.2	222.4
07/10/2023 01:00 PM	0.0	200.2	282.2	222.4
07/10/2023 02:00 PM	0.0	200.2	282.2	222.4
07/10/2023 03:00 PM	0.0	200.1	282.2	222.4
07/10/2023 04:00 PM	0.0	200.1	282.2	222.4
07/10/2023 05:00 PM	0.0	200.1	282.2	222.4
07/10/2023 06:00 PM	0.0	200.1	282.1	222.4
07/10/2023 07:00 PM	0.0	200.1	282.1	222.4
07/10/2023 08:00 PM	0.0	200.1	282.1	222.4
07/10/2023 09:00 PM	0.0	200.0	282.1	222.4
07/10/2023 10:00 PM	0.0	200.0	282.0	222.4
07/10/2023 11:00 PM	0.0	200.0	282.0	222.4
07/11/2023 12:00 AM	196.9	200.0	282.0	222.4
07/11/2023 01:00 AM	207.8	200.0	282.1	222.4
07/11/2023 02:00 AM	208.0	200.0	282.2	222.4
07/11/2023 03:00 AM	208.1	200.0	282.3	222.4
07/11/2023 04:00 AM	208.1	200.0	282.3	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/11/2023 05:00 AM	208.2	200.0	282.4	222.4
07/11/2023 06:00 AM	208.2	200.0	282.4	222.4
07/11/2023 07:00 AM	208.3	200.0	282.5	222.4
07/11/2023 08:00 AM	208.3	200.0	282.5	222.4
07/11/2023 09:00 AM	208.3	200.0	282.5	222.4
07/11/2023 10:00 AM	208.4	200.0	282.6	222.4
07/11/2023 11:00 AM	208.4	200.0	282.6	222.4
07/11/2023 12:00 PM	208.3	200.0	282.6	222.4
07/11/2023 01:00 PM	10.4	201.0	282.6	222.4
07/11/2023 02:00 PM	0.0	200.6	282.5	222.4
07/11/2023 03:00 PM	0.0	200.5	282.5	222.4
07/11/2023 04:00 PM	0.0	200.4	282.4	222.4
07/11/2023 05:00 PM	0.0	200.3	282.4	222.4
07/11/2023 06:00 PM	0.0	200.2	282.3	222.4
07/11/2023 07:00 PM	0.0	200.2	282.2	222.4
07/11/2023 08:00 PM	0.0	200.2	282.2	222.4
07/11/2023 09:00 PM	0.0	200.1	282.2	222.4
07/11/2023 10:00 PM	0.0	200.1	282.1	222.4
07/11/2023 11:00 PM	0.0	200.1	282.1	222.4
07/12/2023 12:00 AM	0.0	200.1	282.0	222.4
07/12/2023 01:00 AM	0.0	200.1	282.1	222.4
07/12/2023 02:00 AM	0.0	200.0	282.0	222.4
07/12/2023 03:00 AM	0.0	200.0	282.0	222.4
07/12/2023 04:00 AM	0.0	200.0	282.0	222.4
07/12/2023 05:00 AM	0.0	200.0	282.0	222.4
07/12/2023 06:00 AM	0.0	200.0	282.0	222.4
07/12/2023 07:00 AM	0.0	200.0	282.0	222.4
07/12/2023 08:00 AM	0.0	200.0	282.0	222.4
07/12/2023 09:00 AM	0.0	200.0	282.0	222.4
07/12/2023 10:00 AM	0.0	200.0	282.0	222.4
07/12/2023 11:00 AM	0.0	200.1	282.1	222.4
07/12/2023 12:00 PM	0.0	200.0	282.0	222.4
07/12/2023 01:00 PM	0.0	200.0	282.0	222.4
07/12/2023 02:00 PM	0.0	200.0	282.0	222.4
07/12/2023 03:00 PM	0.0	200.0	282.1	222.4
07/12/2023 04:00 PM	0.0	199.9	282.0	222.4
07/12/2023 05:00 PM	0.0	199.9	282.1	222.4
07/12/2023 06:00 PM	0.0	199.9	282.0	222.4
07/12/2023 07:00 PM	0.0	199.9	282.0	222.4
07/12/2023 08:00 PM	0.0	199.9	282.0	222.4
07/12/2023 09:00 PM	0.0	199.9	282.0	222.4
07/12/2023 10:00 PM	0.0	199.9	281.9	222.4
07/12/2023 11:00 PM	0.0	199.9	281.9	222.4
07/13/2023 12:00 AM	0.0	199.9	281.9	222.4
07/13/2023 01:00 AM	0.0	199.9	281.9	222.4
07/13/2023 02:00 AM	0.0	199.9	281.9	222.4
07/13/2023 03:00 AM	0.0	199.9	281.9	222.4
07/13/2023 04:00 AM	0.0	199.9	281.9	222.4
07/13/2023 05:00 AM	0.0	199.9	281.9	222.4

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/13/2023 06:00 AM	0.0	199.9	281.9	222.4
07/13/2023 07:00 AM	196.8	199.9	281.9	222.4
07/13/2023 08:00 AM	207.7	199.9	282.1	222.4
07/13/2023 09:00 AM	207.9	199.9	282.2	222.4
07/13/2023 10:00 AM	208.0	199.9	282.3	222.4
07/13/2023 11:00 AM	208.0	199.9	282.4	222.4
07/13/2023 12:00 PM	208.1	199.9	282.4	222.4
07/13/2023 01:00 PM	10.4	200.8	282.4	222.4
07/13/2023 02:00 PM	0.0	200.4	282.4	222.4
07/13/2023 03:00 PM	0.0	200.2	282.3	222.4
07/13/2023 04:00 PM	0.0	200.1	282.2	222.4
07/13/2023 05:00 PM	0.0	200.0	282.2	222.4
07/13/2023 06:00 PM	0.0	200.0	155.2	226.2
07/13/2023 07:00 PM	0.0	199.8	0.0	223.4
07/13/2023 08:00 PM	0.0	199.4	0.0	222.7
07/13/2023 09:00 PM	0.0	199.2	0.0	222.3
07/13/2023 10:00 PM	0.0	199.0	0.0	222.1
07/13/2023 11:00 PM	0.0	198.9	0.0	222.0
07/14/2023 12:00 AM	0.0	198.8	0.0	221.9
07/14/2023 01:00 AM	0.0	198.7	0.0	221.8
07/14/2023 02:00 AM	0.0	198.7	0.0	221.7
07/14/2023 03:00 AM	0.0	198.7	0.0	221.7
07/14/2023 04:00 AM	0.0	198.7	0.0	221.6
07/14/2023 05:00 AM	0.0	198.7	0.0	221.6
07/14/2023 06:00 AM	0.0	198.7	0.0	221.6
07/14/2023 07:00 AM	0.0	198.7	0.0	221.6
07/14/2023 08:00 AM	0.0	198.7	0.0	221.6
07/14/2023 09:00 AM	0.0	198.7	0.0	221.6
07/14/2023 10:00 AM	0.0	198.6	149.3	221.6
07/14/2023 11:00 AM	0.0	198.8	279.1	221.6
07/14/2023 12:00 PM	0.0	199.0	65.2	224.7
07/14/2023 01:00 PM	0.0	198.9	38.2	222.2
07/14/2023 02:00 PM	0.0	198.8	277.8	222.0
07/14/2023 03:00 PM	0.0	199.0	279.5	222.0
07/14/2023 04:00 PM	0.0	199.2	279.9	222.0
07/14/2023 05:00 PM	0.0	199.3	280.1	222.0
07/14/2023 06:00 PM	0.0	199.4	280.1	222.0
07/14/2023 07:00 PM	0.0	199.4	280.2	222.0
07/14/2023 08:00 PM	0.0	199.5	280.3	222.0
07/14/2023 09:00 PM	0.0	199.5	280.4	222.0
07/14/2023 10:00 PM	0.0	199.6	280.5	222.0
07/14/2023 11:00 PM	0.0	199.6	280.5	222.0
07/15/2023 12:00 AM	0.0	199.6	280.5	222.0
07/15/2023 01:00 AM	0.0	199.7	280.6	222.0
07/15/2023 02:00 AM	0.0	199.7	280.6	222.0
07/15/2023 03:00 AM	0.0	199.7	280.6	222.0
07/15/2023 04:00 AM	0.0	199.7	280.6	222.0
07/15/2023 05:00 AM	0.0	199.7	280.6	222.0
07/15/2023 06:00 AM	0.0	199.7	280.6	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/15/2023 07:00 AM	0.0	199.8	280.7	222.0
07/15/2023 08:00 AM	0.0	199.8	280.7	222.0
07/15/2023 09:00 AM	0.0	199.8	280.7	222.0
07/15/2023 10:00 AM	0.0	199.8	280.8	222.0
07/15/2023 11:00 AM	0.0	199.8	280.8	222.0
07/15/2023 12:00 PM	0.0	199.8	280.8	222.0
07/15/2023 01:00 PM	0.0	199.8	280.9	222.0
07/15/2023 02:00 PM	0.0	199.8	280.8	222.0
07/15/2023 03:00 PM	0.0	199.8	280.9	222.0
07/15/2023 04:00 PM	0.0	199.8	280.9	222.0
07/15/2023 05:00 PM	0.0	199.8	280.9	222.0
07/15/2023 06:00 PM	0.0	199.7	280.8	222.0
07/15/2023 07:00 PM	0.0	199.8	280.8	222.0
07/15/2023 08:00 PM	0.0	199.8	280.8	222.0
07/15/2023 09:00 PM	0.0	199.8	280.8	222.0
07/15/2023 10:00 PM	0.0	199.8	280.8	222.0
07/15/2023 11:00 PM	0.0	199.8	280.8	222.0
07/16/2023 12:00 AM	0.0	199.8	280.8	222.0
07/16/2023 01:00 AM	0.0	199.8	280.9	222.0
07/16/2023 02:00 AM	0.0	199.8	280.9	222.0
07/16/2023 03:00 AM	0.0	199.8	280.8	222.0
07/16/2023 04:00 AM	0.0	199.8	280.8	222.0
07/16/2023 05:00 AM	0.0	199.8	280.8	222.0
07/16/2023 06:00 AM	0.0	199.8	280.8	222.0
07/16/2023 07:00 AM	0.0	199.8	280.8	222.0
07/16/2023 08:00 AM	0.0	199.8	280.9	222.0
07/16/2023 09:00 AM	0.0	199.8	280.9	222.0
07/16/2023 10:00 AM	0.0	199.8	281.0	222.0
07/16/2023 11:00 AM	0.0	199.9	281.0	222.0
07/16/2023 12:00 PM	0.0	199.9	281.0	222.0
07/16/2023 01:00 PM	0.0	199.8	281.0	222.0
07/16/2023 02:00 PM	0.0	199.8	281.1	222.0
07/16/2023 03:00 PM	0.0	199.8	281.1	222.0
07/16/2023 04:00 PM	0.0	199.8	281.0	222.0
07/16/2023 05:00 PM	0.0	199.7	281.0	222.0
07/16/2023 06:00 PM	0.0	199.7	281.0	222.0
07/16/2023 07:00 PM	0.0	199.7	281.0	222.0
07/16/2023 08:00 PM	0.0	199.7	281.0	222.0
07/16/2023 09:00 PM	0.0	199.7	281.0	222.0
07/16/2023 10:00 PM	0.0	199.7	281.0	222.0
07/16/2023 11:00 PM	0.0	199.8	281.0	222.0
07/17/2023 12:00 AM	0.0	199.8	281.0	222.0
07/17/2023 01:00 AM	0.0	199.8	281.0	222.0
07/17/2023 02:00 AM	0.0	199.8	281.0	222.0
07/17/2023 03:00 AM	0.0	199.8	280.9	222.0
07/17/2023 04:00 AM	0.0	199.7	280.9	222.0
07/17/2023 05:00 AM	0.0	199.7	280.9	222.0
07/17/2023 06:00 AM	0.0	199.7	280.9	222.0
07/17/2023 07:00 AM	0.0	199.7	280.9	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/17/2023 08:00 AM	0.0	199.7	281.0	222.0
07/17/2023 09:00 AM	0.0	199.7	281.0	222.0
07/17/2023 10:00 AM	0.0	199.8	281.0	222.0
07/17/2023 11:00 AM	0.0	199.8	281.1	222.0
07/17/2023 12:00 PM	0.0	199.8	281.2	222.0
07/17/2023 01:00 PM	0.0	199.8	281.1	222.0
07/17/2023 02:00 PM	0.0	199.8	281.1	222.0
07/17/2023 03:00 PM	0.0	199.8	281.1	222.0
07/17/2023 04:00 PM	0.0	199.8	281.1	222.0
07/17/2023 05:00 PM	0.0	199.7	281.1	222.0
07/17/2023 06:00 PM	0.0	199.7	281.1	222.0
07/17/2023 07:00 PM	0.0	199.7	281.1	222.0
07/17/2023 08:00 PM	0.0	199.7	281.1	222.0
07/17/2023 09:00 PM	0.0	199.8	281.1	222.0
07/17/2023 10:00 PM	0.0	199.8	281.1	222.0
07/17/2023 11:00 PM	0.0	199.8	281.1	222.0
07/18/2023 12:00 AM	0.0	199.8	281.1	222.0
07/18/2023 01:00 AM	0.0	199.9	281.1	222.0
07/18/2023 02:00 AM	0.0	199.9	281.2	222.0
07/18/2023 03:00 AM	0.0	200.0	281.2	222.0
07/18/2023 04:00 AM	0.0	200.0	281.2	222.0
07/18/2023 05:00 AM	0.0	200.0	281.2	222.0
07/18/2023 06:00 AM	0.0	200.0	281.2	222.0
07/18/2023 07:00 AM	0.0	200.0	281.2	222.0
07/18/2023 08:00 AM	196.9	200.0	281.3	222.0
07/18/2023 09:00 AM	207.8	200.0	281.4	222.0
07/18/2023 10:00 AM	208.0	200.0	281.5	222.0
07/18/2023 11:00 AM	208.1	200.0	281.6	222.0
07/18/2023 12:00 PM	208.1	200.0	281.7	222.0
07/18/2023 01:00 PM	208.1	200.0	281.7	222.0
07/18/2023 02:00 PM	10.4	200.8	281.7	222.0
07/18/2023 03:00 PM	0.0	200.4	281.6	222.0
07/18/2023 04:00 PM	0.0	200.2	281.5	222.0
07/18/2023 05:00 PM	0.0	200.1	281.4	222.0
07/18/2023 06:00 PM	0.0	200.1	281.4	222.0
07/18/2023 07:00 PM	0.0	200.0	281.3	222.0
07/18/2023 08:00 PM	0.0	200.0	281.3	222.0
07/18/2023 09:00 PM	0.0	199.9	281.2	222.0
07/18/2023 10:00 PM	0.0	199.9	281.2	222.0
07/18/2023 11:00 PM	0.0	199.9	281.2	222.0
07/19/2023 12:00 AM	0.0	199.9	281.2	222.0
07/19/2023 01:00 AM	0.0	199.9	281.2	222.0
07/19/2023 02:00 AM	0.0	199.9	281.2	222.0
07/19/2023 03:00 AM	0.0	199.9	281.2	222.0
07/19/2023 04:00 AM	0.0	199.8	281.2	222.0
07/19/2023 05:00 AM	0.0	199.8	281.1	222.0
07/19/2023 06:00 AM	0.0	199.8	281.1	222.0
07/19/2023 07:00 AM	0.0	199.8	281.1	222.0
07/19/2023 08:00 AM	0.0	199.9	281.1	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/19/2023 09:00 AM	0.0	199.9	281.2	222.0
07/19/2023 10:00 AM	0.0	199.9	281.3	222.0
07/19/2023 11:00 AM	0.0	200.0	281.3	222.0
07/19/2023 12:00 PM	0.0	200.0	281.3	222.0
07/19/2023 01:00 PM	0.0	200.0	281.3	222.0
07/19/2023 02:00 PM	0.0	200.0	281.3	222.0
07/19/2023 03:00 PM	0.0	200.0	281.4	222.0
07/19/2023 04:00 PM	0.0	199.9	281.3	222.0
07/19/2023 05:00 PM	0.0	199.9	281.3	222.0
07/19/2023 06:00 PM	0.0	199.9	281.4	222.0
07/19/2023 07:00 PM	0.0	199.9	281.3	222.0
07/19/2023 08:00 PM	0.0	199.9	281.3	222.0
07/19/2023 09:00 PM	0.0	199.9	281.3	222.0
07/19/2023 10:00 PM	0.0	199.9	281.3	222.0
07/19/2023 11:00 PM	0.0	199.9	281.4	222.0
07/20/2023 12:00 AM	0.0	199.9	281.3	222.0
07/20/2023 01:00 AM	0.0	199.9	281.4	222.0
07/20/2023 02:00 AM	0.0	199.9	281.4	222.0
07/20/2023 03:00 AM	0.0	199.9	281.3	222.0
07/20/2023 04:00 AM	0.0	199.9	281.3	222.0
07/20/2023 05:00 AM	0.0	199.9	281.3	222.0
07/20/2023 06:00 AM	0.0	199.9	281.3	222.0
07/20/2023 07:00 AM	0.0	199.9	281.3	222.0
07/20/2023 08:00 AM	196.8	199.9	281.4	222.0
07/20/2023 09:00 AM	207.8	199.9	281.5	222.0
07/20/2023 10:00 AM	208.0	199.9	281.7	222.0
07/20/2023 11:00 AM	208.1	199.9	281.8	222.0
07/20/2023 12:00 PM	208.2	199.9	281.9	222.0
07/20/2023 01:00 PM	208.2	199.9	281.9	222.0
07/20/2023 02:00 PM	10.4	200.9	281.9	222.0
07/20/2023 03:00 PM	0.0	200.5	281.8	222.0
07/20/2023 04:00 PM	0.0	200.4	281.7	222.0
07/20/2023 05:00 PM	0.0	200.3	281.7	222.0
07/20/2023 06:00 PM	0.0	200.2	281.6	222.0
07/20/2023 07:00 PM	0.0	200.1	281.6	222.0
07/20/2023 08:00 PM	0.0	200.1	281.5	222.0
07/20/2023 09:00 PM	0.0	200.1	281.5	222.0
07/20/2023 10:00 PM	0.0	200.1	281.5	222.0
07/20/2023 11:00 PM	0.0	200.1	281.5	222.0
07/21/2023 12:00 AM	0.0	200.1	281.5	222.0
07/21/2023 01:00 AM	0.0	200.2	281.5	222.0
07/21/2023 02:00 AM	0.0	200.2	281.5	222.0
07/21/2023 03:00 AM	0.0	200.3	281.6	222.0
07/21/2023 04:00 AM	0.0	200.3	281.6	222.0
07/21/2023 05:00 AM	0.0	200.4	281.6	222.0
07/21/2023 06:00 AM	0.0	200.4	281.6	222.0
07/21/2023 07:00 AM	0.0	200.5	281.7	222.0
07/21/2023 08:00 AM	0.0	200.5	281.7	222.0
07/21/2023 09:00 AM	0.0	200.5	281.7	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/21/2023 10:00 AM	0.0	200.5	281.8	222.0
07/21/2023 11:00 AM	0.0	200.5	281.8	222.0
07/21/2023 12:00 PM	0.0	200.5	281.7	222.0
07/21/2023 01:00 PM	0.0	200.5	281.8	222.0
07/21/2023 02:00 PM	0.0	200.4	281.8	222.0
07/21/2023 03:00 PM	0.0	200.4	281.8	222.0
07/21/2023 04:00 PM	0.0	200.4	281.7	222.0
07/21/2023 05:00 PM	0.0	200.3	281.7	222.0
07/21/2023 06:00 PM	0.0	200.3	281.7	222.0
07/21/2023 07:00 PM	0.0	200.3	281.6	222.0
07/21/2023 08:00 PM	0.0	200.2	281.6	222.0
07/21/2023 09:00 PM	0.0	200.2	281.6	222.0
07/21/2023 10:00 PM	0.0	200.2	281.6	222.0
07/21/2023 11:00 PM	0.0	200.2	281.6	222.0
07/22/2023 12:00 AM	0.0	200.3	281.6	222.0
07/22/2023 01:00 AM	0.0	200.3	281.6	222.0
07/22/2023 02:00 AM	0.0	200.3	281.6	222.0
07/22/2023 03:00 AM	0.0	200.3	281.6	222.0
07/22/2023 04:00 AM	0.0	200.3	281.6	222.0
07/22/2023 05:00 AM	0.0	200.3	281.6	222.0
07/22/2023 06:00 AM	0.0	200.3	281.6	222.0
07/22/2023 07:00 AM	0.0	200.3	281.6	222.0
07/22/2023 08:00 AM	0.0	200.3	281.6	222.0
07/22/2023 09:00 AM	0.0	200.3	281.6	222.0
07/22/2023 10:00 AM	0.0	200.3	281.7	222.0
07/22/2023 11:00 AM	0.0	200.3	281.7	222.0
07/22/2023 12:00 PM	0.0	200.3	281.7	222.0
07/22/2023 01:00 PM	0.0	200.3	281.7	222.0
07/22/2023 02:00 PM	0.0	200.3	281.7	222.0
07/22/2023 03:00 PM	0.0	200.3	281.7	222.0
07/22/2023 04:00 PM	0.0	200.3	281.7	222.0
07/22/2023 05:00 PM	0.0	200.3	281.7	222.0
07/22/2023 06:00 PM	0.0	200.2	281.7	222.0
07/22/2023 07:00 PM	0.0	200.2	281.7	222.0
07/22/2023 08:00 PM	0.0	200.2	281.7	222.0
07/22/2023 09:00 PM	0.0	200.3	281.6	222.0
07/22/2023 10:00 PM	0.0	200.3	281.6	222.0
07/22/2023 11:00 PM	0.0	200.3	281.7	222.0
07/23/2023 12:00 AM	0.0	200.3	281.7	222.0
07/23/2023 01:00 AM	0.0	200.3	281.7	222.0
07/23/2023 02:00 AM	0.0	200.3	281.7	222.0
07/23/2023 03:00 AM	0.0	200.3	281.7	222.0
07/23/2023 04:00 AM	0.0	200.3	281.7	222.0
07/23/2023 05:00 AM	0.0	200.3	281.7	222.0
07/23/2023 06:00 AM	0.0	200.3	281.7	222.0
07/23/2023 07:00 AM	0.0	200.3	281.7	222.0
07/23/2023 08:00 AM	0.0	200.3	281.7	222.0
07/23/2023 09:00 AM	0.0	200.3	281.7	222.0
07/23/2023 10:00 AM	0.0	200.4	281.7	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/23/2023 11:00 AM	0.0	200.4	281.8	222.0
07/23/2023 12:00 PM	0.0	200.4	281.8	222.0
07/23/2023 01:00 PM	0.0	200.4	281.8	222.0
07/23/2023 02:00 PM	0.0	200.4	281.8	222.0
07/23/2023 03:00 PM	0.0	200.4	281.8	222.0
07/23/2023 04:00 PM	0.0	200.3	281.8	222.0
07/23/2023 05:00 PM	0.0	200.3	281.8	222.0
07/23/2023 06:00 PM	0.0	200.3	281.8	222.0
07/23/2023 07:00 PM	0.0	200.3	281.8	222.0
07/23/2023 08:00 PM	0.0	200.3	281.8	222.0
07/23/2023 09:00 PM	0.0	200.3	281.7	222.0
07/23/2023 10:00 PM	0.0	200.3	281.8	222.0
07/23/2023 11:00 PM	0.0	200.3	281.7	222.0
07/24/2023 12:00 AM	0.0	200.3	281.8	222.0
07/24/2023 01:00 AM	0.0	200.3	281.8	222.0
07/24/2023 02:00 AM	0.0	200.4	281.8	222.0
07/24/2023 03:00 AM	0.0	200.4	281.8	222.0
07/24/2023 04:00 AM	0.0	200.4	281.8	222.0
07/24/2023 05:00 AM	0.0	200.4	281.8	222.0
07/24/2023 06:00 AM	0.0	200.4	281.8	222.0
07/24/2023 07:00 AM	0.0	200.4	281.8	222.0
07/24/2023 08:00 AM	0.0	200.4	281.8	222.0
07/24/2023 09:00 AM	0.0	200.5	281.8	222.0
07/24/2023 10:00 AM	0.0	200.6	281.9	222.0
07/24/2023 11:00 AM	0.0	200.6	281.9	222.0
07/24/2023 12:00 PM	0.0	200.7	282.0	222.0
07/24/2023 01:00 PM	0.0	200.7	282.1	222.0
07/24/2023 02:00 PM	0.0	200.8	282.1	222.0
07/24/2023 03:00 PM	0.0	200.7	282.1	222.0
07/24/2023 04:00 PM	0.0	200.7	282.1	222.0
07/24/2023 05:00 PM	0.0	200.7	282.1	222.0
07/24/2023 06:00 PM	0.0	200.6	282.1	222.0
07/24/2023 07:00 PM	0.0	200.6	282.0	222.0
07/24/2023 08:00 PM	0.0	200.6	282.0	222.0
07/24/2023 09:00 PM	0.0	200.5	282.0	222.0
07/24/2023 10:00 PM	0.0	200.5	282.0	222.0
07/24/2023 11:00 PM	0.0	200.5	281.9	222.0
07/25/2023 12:00 AM	0.0	200.5	281.9	222.0
07/25/2023 01:00 AM	0.0	200.5	281.9	222.0
07/25/2023 02:00 AM	0.0	200.5	281.9	222.0
07/25/2023 03:00 AM	0.0	200.6	282.0	222.0
07/25/2023 04:00 AM	0.0	200.6	282.0	222.0
07/25/2023 05:00 AM	0.0	200.7	282.0	222.0
07/25/2023 06:00 AM	0.0	200.8	282.1	222.0
07/25/2023 07:00 AM	0.0	200.8	282.1	222.0
07/25/2023 08:00 AM	197.6	200.8	282.1	222.0
07/25/2023 09:00 AM	208.6	200.8	282.3	222.0
07/25/2023 10:00 AM	208.8	200.8	282.4	222.0
07/25/2023 11:00 AM	208.9	200.8	282.5	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/25/2023 12:00 PM	209.0	200.8	282.5	222.0
07/25/2023 01:00 PM	209.0	200.8	282.6	222.0
07/25/2023 02:00 PM	10.5	201.7	282.6	222.0
07/25/2023 03:00 PM	0.0	201.2	282.5	222.0
07/25/2023 04:00 PM	0.0	201.1	282.4	222.0
07/25/2023 05:00 PM	0.0	200.9	282.3	222.0
07/25/2023 06:00 PM	0.0	200.9	282.2	222.0
07/25/2023 07:00 PM	0.0	200.8	282.2	222.0
07/25/2023 08:00 PM	0.0	200.7	282.1	222.0
07/25/2023 09:00 PM	0.0	200.7	282.1	222.0
07/25/2023 10:00 PM	0.0	200.6	282.1	222.0
07/25/2023 11:00 PM	0.0	200.6	282.0	222.0
07/26/2023 12:00 AM	0.0	200.6	282.0	222.0
07/26/2023 01:00 AM	0.0	200.6	282.0	222.0
07/26/2023 02:00 AM	0.0	200.6	282.0	222.0
07/26/2023 03:00 AM	0.0	200.6	282.0	222.0
07/26/2023 04:00 AM	0.0	200.6	282.0	222.0
07/26/2023 05:00 AM	0.0	200.6	282.0	222.0
07/26/2023 06:00 AM	0.0	200.6	282.0	222.0
07/26/2023 07:00 AM	0.0	200.6	282.0	222.0
07/26/2023 08:00 AM	0.0	200.6	282.0	222.0
07/26/2023 09:00 AM	0.0	200.6	282.0	222.0
07/26/2023 10:00 AM	0.0	200.6	282.0	222.0
07/26/2023 11:00 AM	0.0	200.6	282.0	222.0
07/26/2023 12:00 PM	0.0	200.6	282.0	222.0
07/26/2023 01:00 PM	0.0	200.6	282.1	222.0
07/26/2023 02:00 PM	0.0	200.6	282.0	222.0
07/26/2023 03:00 PM	0.0	200.5	282.0	222.0
07/26/2023 04:00 PM	0.0	200.5	282.0	222.0
07/26/2023 05:00 PM	0.0	200.5	282.0	222.0
07/26/2023 06:00 PM	0.0	200.4	282.0	222.0
07/26/2023 07:00 PM	0.0	200.4	281.9	222.0
07/26/2023 08:00 PM	0.0	200.4	281.9	222.0
07/26/2023 09:00 PM	0.0	200.4	281.9	222.0
07/26/2023 10:00 PM	0.0	200.4	281.9	222.0
07/26/2023 11:00 PM	0.0	200.4	281.9	222.0
07/27/2023 12:00 AM	0.0	200.4	281.8	222.0
07/27/2023 01:00 AM	0.0	200.4	281.9	222.0
07/27/2023 02:00 AM	0.0	200.4	281.9	222.0
07/27/2023 03:00 AM	0.0	200.5	281.9	222.0
07/27/2023 04:00 AM	0.0	200.5	281.9	222.0
07/27/2023 05:00 AM	0.0	200.6	282.0	222.0
07/27/2023 06:00 AM	0.0	200.7	282.0	222.0
07/27/2023 07:00 AM	0.0	200.7	282.1	222.0
07/27/2023 08:00 AM	197.6	200.7	282.1	222.0
07/27/2023 09:00 AM	208.5	200.7	282.3	222.0
07/27/2023 10:00 AM	208.7	200.7	282.4	222.0
07/27/2023 11:00 AM	208.8	200.7	282.5	222.0
07/27/2023 12:00 PM	208.8	200.7	282.5	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/27/2023 01:00 PM	208.9	200.7	282.6	222.0
07/27/2023 02:00 PM	10.4	201.6	282.6	222.0
07/27/2023 03:00 PM	0.0	201.2	282.5	222.0
07/27/2023 04:00 PM	0.0	201.0	282.4	222.0
07/27/2023 05:00 PM	0.0	200.9	282.4	222.0
07/27/2023 06:00 PM	0.0	200.8	282.3	222.0
07/27/2023 07:00 PM	0.0	200.8	282.2	222.0
07/27/2023 08:00 PM	0.0	200.7	282.2	222.0
07/27/2023 09:00 PM	0.0	200.7	282.2	222.0
07/27/2023 10:00 PM	0.0	200.7	282.1	222.0
07/27/2023 11:00 PM	0.0	200.6	282.1	222.0
07/28/2023 12:00 AM	0.0	200.6	282.1	222.0
07/28/2023 01:00 AM	0.0	200.6	282.1	222.0
07/28/2023 02:00 AM	0.0	200.6	282.1	222.0
07/28/2023 03:00 AM	0.0	200.5	282.1	222.0
07/28/2023 04:00 AM	0.0	200.5	282.0	222.0
07/28/2023 05:00 AM	0.0	200.5	282.0	222.0
07/28/2023 06:00 AM	0.0	200.5	282.0	222.0
07/28/2023 07:00 AM	0.0	200.5	282.1	222.0
07/28/2023 08:00 AM	0.0	200.5	282.0	222.0
07/28/2023 09:00 AM	0.0	200.6	282.1	222.0
07/28/2023 10:00 AM	0.0	200.6	282.1	222.0
07/28/2023 11:00 AM	0.0	200.5	282.1	222.0
07/28/2023 12:00 PM	0.0	200.5	282.1	222.0
07/28/2023 01:00 PM	0.0	200.5	282.1	222.0
07/28/2023 02:00 PM	0.0	200.5	282.1	222.0
07/28/2023 03:00 PM	0.0	200.4	282.0	222.0
07/28/2023 04:00 PM	0.0	200.4	282.0	222.0
07/28/2023 05:00 PM	0.0	200.4	282.0	222.0
07/28/2023 06:00 PM	0.0	200.4	282.0	222.0
07/28/2023 07:00 PM	0.0	200.4	282.0	222.0
07/28/2023 08:00 PM	0.0	200.4	282.0	222.0
07/28/2023 09:00 PM	0.0	200.4	282.0	222.0
07/28/2023 10:00 PM	0.0	200.4	282.0	222.0
07/28/2023 11:00 PM	0.0	200.5	282.0	222.0
07/29/2023 12:00 AM	0.0	200.5	282.0	222.0
07/29/2023 01:00 AM	0.0	200.5	282.1	222.0
07/29/2023 02:00 AM	0.0	200.5	282.1	222.0
07/29/2023 03:00 AM	0.0	200.5	282.0	222.0
07/29/2023 04:00 AM	0.0	200.5	282.0	222.0
07/29/2023 05:00 AM	0.0	200.5	282.1	222.0
07/29/2023 06:00 AM	0.0	200.5	282.1	222.0
07/29/2023 07:00 AM	0.0	200.5	282.1	222.0
07/29/2023 08:00 AM	0.0	200.5	282.1	222.0
07/29/2023 09:00 AM	0.0	200.6	282.1	222.0
07/29/2023 10:00 AM	0.0	200.6	282.2	222.0
07/29/2023 11:00 AM	0.0	200.6	282.1	222.0
07/29/2023 12:00 PM	0.0	200.5	282.2	222.0
07/29/2023 01:00 PM	0.0	200.5	282.2	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/29/2023 02:00 PM	0.0	200.5	282.1	222.0
07/29/2023 03:00 PM	0.0	200.5	282.1	222.0
07/29/2023 04:00 PM	0.0	200.5	282.1	222.0
07/29/2023 05:00 PM	0.0	200.4	282.1	222.0
07/29/2023 06:00 PM	0.0	200.4	282.1	222.0
07/29/2023 07:00 PM	0.0	200.4	282.1	222.0
07/29/2023 08:00 PM	0.0	200.5	282.1	222.0
07/29/2023 09:00 PM	0.0	200.5	282.1	222.0
07/29/2023 10:00 PM	0.0	200.5	282.1	222.0
07/29/2023 11:00 PM	0.0	200.5	282.1	222.0
07/30/2023 12:00 AM	0.0	200.5	282.1	222.0
07/30/2023 01:00 AM	0.0	200.5	282.1	222.0
07/30/2023 02:00 AM	0.0	200.6	282.1	222.0
07/30/2023 03:00 AM	0.0	200.6	282.1	222.0
07/30/2023 04:00 AM	0.0	200.6	282.1	222.0
07/30/2023 05:00 AM	0.0	200.6	282.1	222.0
07/30/2023 06:00 AM	0.0	200.6	282.2	222.0
07/30/2023 07:00 AM	0.0	200.6	282.2	222.0
07/30/2023 08:00 AM	0.0	200.6	282.2	222.0
07/30/2023 09:00 AM	0.0	200.6	282.2	222.0
07/30/2023 10:00 AM	0.0	200.7	282.3	222.0
07/30/2023 11:00 AM	0.0	200.6	282.3	222.0
07/30/2023 12:00 PM	0.0	200.6	282.3	222.0
07/30/2023 01:00 PM	0.0	200.6	282.2	222.0
07/30/2023 02:00 PM	0.0	200.6	282.2	222.0
07/30/2023 03:00 PM	0.0	200.6	282.2	222.0
07/30/2023 04:00 PM	0.0	200.5	282.2	222.0
07/30/2023 05:00 PM	0.0	200.5	282.2	222.0
07/30/2023 06:00 PM	0.0	200.5	282.1	222.0
07/30/2023 07:00 PM	0.0	200.5	282.1	222.0
07/30/2023 08:00 PM	0.0	200.5	282.1	222.0
07/30/2023 09:00 PM	0.0	200.5	282.1	222.0
07/30/2023 10:00 PM	0.0	200.5	282.1	222.0
07/30/2023 11:00 PM	0.0	200.5	282.2	222.0
07/31/2023 12:00 AM	0.0	200.5	282.2	222.0
07/31/2023 01:00 AM	0.0	200.5	282.2	222.0
07/31/2023 02:00 AM	0.0	200.5	282.1	222.0
07/31/2023 03:00 AM	0.0	200.5	282.1	222.0
07/31/2023 04:00 AM	0.0	200.5	282.1	222.0
07/31/2023 05:00 AM	0.0	200.5	282.1	222.0
07/31/2023 06:00 AM	0.0	200.5	282.1	222.0
07/31/2023 07:00 AM	0.0	200.6	282.1	222.0
07/31/2023 08:00 AM	0.0	200.6	282.2	222.0
07/31/2023 09:00 AM	0.0	200.7	282.2	222.0
07/31/2023 10:00 AM	0.0	200.7	282.3	222.0
07/31/2023 11:00 AM	0.0	200.8	282.3	222.0
07/31/2023 12:00 PM	0.0	200.9	282.4	222.0
07/31/2023 01:00 PM	0.0	200.9	282.4	222.0
07/31/2023 02:00 PM	0.0	201.0	282.4	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
July 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
07/31/2023 03:00 PM	0.0	201.0	282.5	222.0
07/31/2023 04:00 PM	0.0	201.0	282.5	222.0
07/31/2023 05:00 PM	0.0	201.0	282.4	222.0
07/31/2023 06:00 PM	0.0	201.0	282.5	222.0
07/31/2023 07:00 PM	0.0	200.9	282.4	222.0
07/31/2023 08:00 PM	0.0	200.9	282.4	222.0
07/31/2023 09:00 PM	0.0	200.9	282.4	222.0
07/31/2023 10:00 PM	0.0	200.8	282.4	222.0
07/31/2023 11:00 PM	0.0	200.8	282.4	222.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/01/2023 12:00 AM	0.0	0.0	0.0
07/01/2023 01:00 AM	0.0	0.0	0.0
07/01/2023 02:00 AM	0.0	0.0	0.0
07/01/2023 03:00 AM	0.0	0.0	0.0
07/01/2023 04:00 AM	0.0	0.0	0.0
07/01/2023 05:00 AM	0.0	0.0	0.0
07/01/2023 06:00 AM	0.0	0.0	0.0
07/01/2023 07:00 AM	0.0	0.0	0.0
07/01/2023 08:00 AM	0.0	0.0	0.0
07/01/2023 09:00 AM	0.0	0.0	0.0
07/01/2023 10:00 AM	0.0	0.0	0.0
07/01/2023 11:00 AM	0.0	0.0	0.0
07/01/2023 12:00 PM	0.0	0.0	0.0
07/01/2023 01:00 PM	0.0	0.0	0.0
07/01/2023 02:00 PM	0.0	0.0	0.0
07/01/2023 03:00 PM	0.0	0.0	0.0
07/01/2023 04:00 PM	0.0	0.0	0.0
07/01/2023 05:00 PM	0.0	0.0	0.0
07/01/2023 06:00 PM	0.0	0.0	0.0
07/01/2023 07:00 PM	0.0	0.0	0.0
07/01/2023 08:00 PM	0.0	0.0	0.0
07/01/2023 09:00 PM	0.0	0.0	0.0
07/01/2023 10:00 PM	0.0	0.0	0.0
07/01/2023 11:00 PM	0.0	0.0	0.0
07/02/2023 12:00 AM	0.0	0.0	0.0
07/02/2023 01:00 AM	0.0	0.0	0.0
07/02/2023 02:00 AM	0.0	0.0	0.0
07/02/2023 03:00 AM	0.0	0.0	0.0
07/02/2023 04:00 AM	0.0	0.0	0.0
07/02/2023 05:00 AM	0.0	0.0	0.0
07/02/2023 06:00 AM	0.0	0.0	0.0
07/02/2023 07:00 AM	0.0	0.0	0.0
07/02/2023 08:00 AM	0.0	0.0	0.0
07/02/2023 09:00 AM	0.0	0.0	0.0
07/02/2023 10:00 AM	0.0	0.0	0.0
07/02/2023 11:00 AM	0.0	0.0	0.0
07/02/2023 12:00 PM	0.0	0.0	0.0
07/02/2023 01:00 PM	0.0	0.0	0.0
07/02/2023 02:00 PM	0.0	0.0	0.0
07/02/2023 03:00 PM	0.0	0.0	0.0
07/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/02/2023 05:00 PM	0.0	0.0	0.0
07/02/2023 06:00 PM	0.0	0.0	0.0
07/02/2023 07:00 PM	0.0	0.0	0.0
07/02/2023 08:00 PM	0.0	0.0	0.0
07/02/2023 09:00 PM	0.0	0.0	0.0
07/02/2023 10:00 PM	0.0	0.0	0.0
07/02/2023 11:00 PM	0.0	0.0	0.0
07/03/2023 12:00 AM	0.0	0.0	0.0
07/03/2023 01:00 AM	0.0	0.0	0.0
07/03/2023 02:00 AM	0.0	0.0	0.0
07/03/2023 03:00 AM	0.0	0.0	0.0
07/03/2023 04:00 AM	0.0	0.0	0.0
07/03/2023 05:00 AM	0.0	0.0	0.0
07/03/2023 06:00 AM	0.0	0.0	0.0
07/03/2023 07:00 AM	0.0	0.0	0.0
07/03/2023 08:00 AM	0.0	0.0	0.0
07/03/2023 09:00 AM	0.0	0.0	0.0
07/03/2023 10:00 AM	0.0	0.0	0.0
07/03/2023 11:00 AM	0.0	0.0	0.0
07/03/2023 12:00 PM	0.0	0.0	0.0
07/03/2023 01:00 PM	0.0	0.0	0.0
07/03/2023 02:00 PM	0.0	0.0	0.0
07/03/2023 03:00 PM	0.0	0.0	0.0
07/03/2023 04:00 PM	0.0	0.0	0.0
07/03/2023 05:00 PM	0.0	0.0	0.0
07/03/2023 06:00 PM	0.0	0.0	0.0
07/03/2023 07:00 PM	0.0	0.0	0.0
07/03/2023 08:00 PM	0.0	0.0	0.0
07/03/2023 09:00 PM	0.0	0.0	0.0
07/03/2023 10:00 PM	0.0	0.0	0.0
07/03/2023 11:00 PM	0.0	0.0	0.0
07/04/2023 12:00 AM	0.0	0.0	0.0
07/04/2023 01:00 AM	0.0	0.0	0.0
07/04/2023 02:00 AM	0.0	0.0	0.0
07/04/2023 03:00 AM	0.0	0.0	0.0
07/04/2023 04:00 AM	0.0	0.0	0.0
07/04/2023 05:00 AM	0.0	0.0	0.0
07/04/2023 06:00 AM	0.0	0.0	0.0
07/04/2023 07:00 AM	1,780.0	0.0	1,619.9
07/04/2023 08:00 AM	1,723.1	1,692.5	1,704.2
07/04/2023 09:00 AM	1,694.0	1,688.2	1,691.2

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/04/2023 10:00 AM	1,694.6	1,682.8	1,689.3
07/04/2023 11:00 AM	1,682.8	1,666.3	1,674.8
07/04/2023 12:00 PM	1,670.9	1,650.3	1,661.5
07/04/2023 01:00 PM	1,658.3	0.0	82.7
07/04/2023 02:00 PM	0.0	0.0	0.0
07/04/2023 03:00 PM	0.0	0.0	0.0
07/04/2023 04:00 PM	0.0	0.0	0.0
07/04/2023 05:00 PM	0.0	0.0	0.0
07/04/2023 06:00 PM	0.0	0.0	0.0
07/04/2023 07:00 PM	0.0	0.0	0.0
07/04/2023 08:00 PM	0.0	0.0	0.0
07/04/2023 09:00 PM	0.0	0.0	0.0
07/04/2023 10:00 PM	0.0	0.0	0.0
07/04/2023 11:00 PM	0.0	0.0	0.0
07/05/2023 12:00 AM	0.0	0.0	0.0
07/05/2023 01:00 AM	0.0	0.0	0.0
07/05/2023 02:00 AM	0.0	0.0	0.0
07/05/2023 03:00 AM	0.0	0.0	0.0
07/05/2023 04:00 AM	0.0	0.0	0.0
07/05/2023 05:00 AM	0.0	0.0	0.0
07/05/2023 06:00 AM	0.0	0.0	0.0
07/05/2023 07:00 AM	0.0	0.0	0.0
07/05/2023 08:00 AM	0.0	0.0	0.0
07/05/2023 09:00 AM	0.0	0.0	0.0
07/05/2023 10:00 AM	0.0	0.0	0.0
07/05/2023 11:00 AM	0.0	0.0	0.0
07/05/2023 12:00 PM	0.0	0.0	0.0
07/05/2023 01:00 PM	0.0	0.0	0.0
07/05/2023 02:00 PM	0.0	0.0	0.0
07/05/2023 03:00 PM	0.0	0.0	0.0
07/05/2023 04:00 PM	0.0	0.0	0.0
07/05/2023 05:00 PM	0.0	0.0	0.0
07/05/2023 06:00 PM	0.0	0.0	0.0
07/05/2023 07:00 PM	0.0	0.0	0.0
07/05/2023 08:00 PM	0.0	0.0	0.0
07/05/2023 09:00 PM	0.0	0.0	0.0
07/05/2023 10:00 PM	0.0	0.0	0.0
07/05/2023 11:00 PM	0.0	0.0	0.0
07/06/2023 12:00 AM	0.0	0.0	0.0
07/06/2023 01:00 AM	0.0	0.0	0.0
07/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/06/2023 03:00 AM	0.0	0.0	0.0
07/06/2023 04:00 AM	0.0	0.0	0.0
07/06/2023 05:00 AM	0.0	0.0	0.0
07/06/2023 06:00 AM	0.0	0.0	0.0
07/06/2023 07:00 AM	2,113.2	0.0	1,659.6
07/06/2023 08:00 AM	1,710.0	1,670.7	1,688.9
07/06/2023 09:00 AM	1,729.9	0.0	891.2
07/06/2023 10:00 AM	1,651.9	1,630.0	1,643.3
07/06/2023 11:00 AM	1,632.0	1,606.4	1,619.1
07/06/2023 12:00 PM	1,608.6	1,584.5	1,594.8
07/06/2023 01:00 PM	1,589.5	1,563.3	1,579.0
07/06/2023 02:00 PM	1,581.3	1,553.9	1,564.6
07/06/2023 03:00 PM	1,564.6	1,539.7	1,550.6
07/06/2023 04:00 PM	1,550.6	1,527.2	1,539.2
07/06/2023 05:00 PM	1,541.8	1,519.9	1,528.7
07/06/2023 06:00 PM	1,532.0	0.0	813.1
07/06/2023 07:00 PM	0.0	0.0	0.0
07/06/2023 08:00 PM	1,754.1	0.0	525.6
07/06/2023 09:00 PM	1,529.7	1,477.1	1,513.1
07/06/2023 10:00 PM	1,516.9	1,495.0	1,505.8
07/06/2023 11:00 PM	1,513.5	1,494.0	1,503.6
07/07/2023 12:00 AM	1,507.1	0.0	75.0
07/07/2023 01:00 AM	0.0	0.0	0.0
07/07/2023 02:00 AM	0.0	0.0	0.0
07/07/2023 03:00 AM	0.0	0.0	0.0
07/07/2023 04:00 AM	0.0	0.0	0.0
07/07/2023 05:00 AM	0.0	0.0	0.0
07/07/2023 06:00 AM	0.0	0.0	0.0
07/07/2023 07:00 AM	0.0	0.0	0.0
07/07/2023 08:00 AM	0.0	0.0	0.0
07/07/2023 09:00 AM	0.0	0.0	0.0
07/07/2023 10:00 AM	0.0	0.0	0.0
07/07/2023 11:00 AM	0.0	0.0	0.0
07/07/2023 12:00 PM	0.0	0.0	0.0
07/07/2023 01:00 PM	0.0	0.0	0.0
07/07/2023 02:00 PM	0.0	0.0	0.0
07/07/2023 03:00 PM	0.0	0.0	0.0
07/07/2023 04:00 PM	0.0	0.0	0.0
07/07/2023 05:00 PM	0.0	0.0	0.0
07/07/2023 06:00 PM	0.0	0.0	0.0
07/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/07/2023 08:00 PM	0.0	0.0	0.0
07/07/2023 09:00 PM	0.0	0.0	0.0
07/07/2023 10:00 PM	0.0	0.0	0.0
07/07/2023 11:00 PM	0.0	0.0	0.0
07/08/2023 12:00 AM	0.0	0.0	0.0
07/08/2023 01:00 AM	0.0	0.0	0.0
07/08/2023 02:00 AM	0.0	0.0	0.0
07/08/2023 03:00 AM	0.0	0.0	0.0
07/08/2023 04:00 AM	0.0	0.0	0.0
07/08/2023 05:00 AM	0.0	0.0	0.0
07/08/2023 06:00 AM	0.0	0.0	0.0
07/08/2023 07:00 AM	0.0	0.0	0.0
07/08/2023 08:00 AM	0.0	0.0	0.0
07/08/2023 09:00 AM	0.0	0.0	0.0
07/08/2023 10:00 AM	0.0	0.0	0.0
07/08/2023 11:00 AM	0.0	0.0	0.0
07/08/2023 12:00 PM	0.0	0.0	0.0
07/08/2023 01:00 PM	0.0	0.0	0.0
07/08/2023 02:00 PM	0.0	0.0	0.0
07/08/2023 03:00 PM	0.0	0.0	0.0
07/08/2023 04:00 PM	0.0	0.0	0.0
07/08/2023 05:00 PM	0.0	0.0	0.0
07/08/2023 06:00 PM	0.0	0.0	0.0
07/08/2023 07:00 PM	0.0	0.0	0.0
07/08/2023 08:00 PM	0.0	0.0	0.0
07/08/2023 09:00 PM	0.0	0.0	0.0
07/08/2023 10:00 PM	0.0	0.0	0.0
07/08/2023 11:00 PM	0.0	0.0	0.0
07/09/2023 12:00 AM	0.0	0.0	0.0
07/09/2023 01:00 AM	0.0	0.0	0.0
07/09/2023 02:00 AM	0.0	0.0	0.0
07/09/2023 03:00 AM	0.0	0.0	0.0
07/09/2023 04:00 AM	0.0	0.0	0.0
07/09/2023 05:00 AM	0.0	0.0	0.0
07/09/2023 06:00 AM	0.0	0.0	0.0
07/09/2023 07:00 AM	0.0	0.0	0.0
07/09/2023 08:00 AM	0.0	0.0	0.0
07/09/2023 09:00 AM	0.0	0.0	0.0
07/09/2023 10:00 AM	0.0	0.0	0.0
07/09/2023 11:00 AM	0.0	0.0	0.0
07/09/2023 12:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/09/2023 01:00 PM	0.0	0.0	0.0
07/09/2023 02:00 PM	0.0	0.0	0.0
07/09/2023 03:00 PM	0.0	0.0	0.0
07/09/2023 04:00 PM	0.0	0.0	0.0
07/09/2023 05:00 PM	0.0	0.0	0.0
07/09/2023 06:00 PM	0.0	0.0	0.0
07/09/2023 07:00 PM	0.0	0.0	0.0
07/09/2023 08:00 PM	0.0	0.0	0.0
07/09/2023 09:00 PM	0.0	0.0	0.0
07/09/2023 10:00 PM	0.0	0.0	0.0
07/09/2023 11:00 PM	0.0	0.0	0.0
07/10/2023 12:00 AM	0.0	0.0	0.0
07/10/2023 01:00 AM	0.0	0.0	0.0
07/10/2023 02:00 AM	0.0	0.0	0.0
07/10/2023 03:00 AM	0.0	0.0	0.0
07/10/2023 04:00 AM	0.0	0.0	0.0
07/10/2023 05:00 AM	0.0	0.0	0.0
07/10/2023 06:00 AM	0.0	0.0	0.0
07/10/2023 07:00 AM	0.0	0.0	0.0
07/10/2023 08:00 AM	0.0	0.0	0.0
07/10/2023 09:00 AM	0.0	0.0	0.0
07/10/2023 10:00 AM	0.0	0.0	0.0
07/10/2023 11:00 AM	0.0	0.0	0.0
07/10/2023 12:00 PM	0.0	0.0	0.0
07/10/2023 01:00 PM	0.0	0.0	0.0
07/10/2023 02:00 PM	0.0	0.0	0.0
07/10/2023 03:00 PM	0.0	0.0	0.0
07/10/2023 04:00 PM	0.0	0.0	0.0
07/10/2023 05:00 PM	0.0	0.0	0.0
07/10/2023 06:00 PM	0.0	0.0	0.0
07/10/2023 07:00 PM	0.0	0.0	0.0
07/10/2023 08:00 PM	0.0	0.0	0.0
07/10/2023 09:00 PM	0.0	0.0	0.0
07/10/2023 10:00 PM	0.0	0.0	0.0
07/10/2023 11:00 PM	0.0	0.0	0.0
07/11/2023 12:00 AM	1,706.7	0.0	1,604.3
07/11/2023 01:00 AM	1,691.3	1,658.7	1,672.2
07/11/2023 02:00 AM	1,662.2	1,647.2	1,653.9
07/11/2023 03:00 AM	1,649.1	1,633.6	1,641.7
07/11/2023 04:00 AM	1,634.1	1,610.8	1,624.6
07/11/2023 05:00 AM	1,614.4	1,583.4	1,600.2

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/11/2023 06:00 AM	1,589.4	1,554.5	1,572.7
07/11/2023 07:00 AM	1,565.9	1,530.4	1,548.5
07/11/2023 08:00 AM	1,539.1	1,512.5	1,525.2
07/11/2023 09:00 AM	1,523.1	1,498.6	1,507.5
07/11/2023 10:00 AM	1,507.2	1,473.6	1,490.9
07/11/2023 11:00 AM	1,491.1	1,466.0	1,476.4
07/11/2023 12:00 PM	1,487.2	1,452.3	1,468.0
07/11/2023 01:00 PM	1,470.1	0.0	73.2
07/11/2023 02:00 PM	0.0	0.0	0.0
07/11/2023 03:00 PM	0.0	0.0	0.0
07/11/2023 04:00 PM	0.0	0.0	0.0
07/11/2023 05:00 PM	0.0	0.0	0.0
07/11/2023 06:00 PM	0.0	0.0	0.0
07/11/2023 07:00 PM	0.0	0.0	0.0
07/11/2023 08:00 PM	0.0	0.0	0.0
07/11/2023 09:00 PM	0.0	0.0	0.0
07/11/2023 10:00 PM	0.0	0.0	0.0
07/11/2023 11:00 PM	0.0	0.0	0.0
07/12/2023 12:00 AM	0.0	0.0	0.0
07/12/2023 01:00 AM	0.0	0.0	0.0
07/12/2023 02:00 AM	0.0	0.0	0.0
07/12/2023 03:00 AM	0.0	0.0	0.0
07/12/2023 04:00 AM	0.0	0.0	0.0
07/12/2023 05:00 AM	0.0	0.0	0.0
07/12/2023 06:00 AM	0.0	0.0	0.0
07/12/2023 07:00 AM	0.0	0.0	0.0
07/12/2023 08:00 AM	0.0	0.0	0.0
07/12/2023 09:00 AM	0.0	0.0	0.0
07/12/2023 10:00 AM	0.0	0.0	0.0
07/12/2023 11:00 AM	0.0	0.0	0.0
07/12/2023 12:00 PM	0.0	0.0	0.0
07/12/2023 01:00 PM	0.0	0.0	0.0
07/12/2023 02:00 PM	0.0	0.0	0.0
07/12/2023 03:00 PM	0.0	0.0	0.0
07/12/2023 04:00 PM	0.0	0.0	0.0
07/12/2023 05:00 PM	0.0	0.0	0.0
07/12/2023 06:00 PM	0.0	0.0	0.0
07/12/2023 07:00 PM	0.0	0.0	0.0
07/12/2023 08:00 PM	0.0	0.0	0.0
07/12/2023 09:00 PM	0.0	0.0	0.0
07/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/12/2023 11:00 PM	0.0	0.0	0.0
07/13/2023 12:00 AM	0.0	0.0	0.0
07/13/2023 01:00 AM	0.0	0.0	0.0
07/13/2023 02:00 AM	0.0	0.0	0.0
07/13/2023 03:00 AM	0.0	0.0	0.0
07/13/2023 04:00 AM	0.0	0.0	0.0
07/13/2023 05:00 AM	0.0	0.0	0.0
07/13/2023 06:00 AM	0.0	0.0	0.0
07/13/2023 07:00 AM	1,925.0	0.0	1,686.5
07/13/2023 08:00 AM	1,705.9	1,635.0	1,667.2
07/13/2023 09:00 AM	1,640.1	1,550.2	1,593.4
07/13/2023 10:00 AM	1,555.9	1,495.7	1,524.7
07/13/2023 11:00 AM	1,495.7	1,446.9	1,473.9
07/13/2023 12:00 PM	1,463.0	1,427.2	1,445.3
07/13/2023 01:00 PM	1,444.9	0.0	72.2
07/13/2023 02:00 PM	0.0	0.0	0.0
07/13/2023 03:00 PM	0.0	0.0	0.0
07/13/2023 04:00 PM	0.0	0.0	0.0
07/13/2023 05:00 PM	0.0	0.0	0.0
07/13/2023 06:00 PM	0.0	0.0	0.0
07/13/2023 07:00 PM	0.0	0.0	0.0
07/13/2023 08:00 PM	0.0	0.0	0.0
07/13/2023 09:00 PM	0.0	0.0	0.0
07/13/2023 10:00 PM	0.0	0.0	0.0
07/13/2023 11:00 PM	0.0	0.0	0.0
07/14/2023 12:00 AM	0.0	0.0	0.0
07/14/2023 01:00 AM	0.0	0.0	0.0
07/14/2023 02:00 AM	0.0	0.0	0.0
07/14/2023 03:00 AM	0.0	0.0	0.0
07/14/2023 04:00 AM	0.0	0.0	0.0
07/14/2023 05:00 AM	0.0	0.0	0.0
07/14/2023 06:00 AM	0.0	0.0	0.0
07/14/2023 07:00 AM	0.0	0.0	0.0
07/14/2023 08:00 AM	0.0	0.0	0.0
07/14/2023 09:00 AM	0.0	0.0	0.0
07/14/2023 10:00 AM	0.0	0.0	0.0
07/14/2023 11:00 AM	0.0	0.0	0.0
07/14/2023 12:00 PM	0.0	0.0	0.0
07/14/2023 01:00 PM	0.0	0.0	0.0
07/14/2023 02:00 PM	0.0	0.0	0.0
07/14/2023 03:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/14/2023 04:00 PM	0.0	0.0	0.0
07/14/2023 05:00 PM	0.0	0.0	0.0
07/14/2023 06:00 PM	0.0	0.0	0.0
07/14/2023 07:00 PM	0.0	0.0	0.0
07/14/2023 08:00 PM	0.0	0.0	0.0
07/14/2023 09:00 PM	0.0	0.0	0.0
07/14/2023 10:00 PM	0.0	0.0	0.0
07/14/2023 11:00 PM	0.0	0.0	0.0
07/15/2023 12:00 AM	0.0	0.0	0.0
07/15/2023 01:00 AM	0.0	0.0	0.0
07/15/2023 02:00 AM	0.0	0.0	0.0
07/15/2023 03:00 AM	0.0	0.0	0.0
07/15/2023 04:00 AM	0.0	0.0	0.0
07/15/2023 05:00 AM	0.0	0.0	0.0
07/15/2023 06:00 AM	0.0	0.0	0.0
07/15/2023 07:00 AM	0.0	0.0	0.0
07/15/2023 08:00 AM	0.0	0.0	0.0
07/15/2023 09:00 AM	0.0	0.0	0.0
07/15/2023 10:00 AM	0.0	0.0	0.0
07/15/2023 11:00 AM	0.0	0.0	0.0
07/15/2023 12:00 PM	0.0	0.0	0.0
07/15/2023 01:00 PM	0.0	0.0	0.0
07/15/2023 02:00 PM	0.0	0.0	0.0
07/15/2023 03:00 PM	0.0	0.0	0.0
07/15/2023 04:00 PM	0.0	0.0	0.0
07/15/2023 05:00 PM	0.0	0.0	0.0
07/15/2023 06:00 PM	0.0	0.0	0.0
07/15/2023 07:00 PM	0.0	0.0	0.0
07/15/2023 08:00 PM	0.0	0.0	0.0
07/15/2023 09:00 PM	0.0	0.0	0.0
07/15/2023 10:00 PM	0.0	0.0	0.0
07/15/2023 11:00 PM	0.0	0.0	0.0
07/16/2023 12:00 AM	0.0	0.0	0.0
07/16/2023 01:00 AM	0.0	0.0	0.0
07/16/2023 02:00 AM	0.0	0.0	0.0
07/16/2023 03:00 AM	0.0	0.0	0.0
07/16/2023 04:00 AM	0.0	0.0	0.0
07/16/2023 05:00 AM	0.0	0.0	0.0
07/16/2023 06:00 AM	0.0	0.0	0.0
07/16/2023 07:00 AM	0.0	0.0	0.0
07/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/16/2023 09:00 AM	0.0	0.0	0.0
07/16/2023 10:00 AM	0.0	0.0	0.0
07/16/2023 11:00 AM	0.0	0.0	0.0
07/16/2023 12:00 PM	0.0	0.0	0.0
07/16/2023 01:00 PM	0.0	0.0	0.0
07/16/2023 02:00 PM	0.0	0.0	0.0
07/16/2023 03:00 PM	0.0	0.0	0.0
07/16/2023 04:00 PM	0.0	0.0	0.0
07/16/2023 05:00 PM	0.0	0.0	0.0
07/16/2023 06:00 PM	0.0	0.0	0.0
07/16/2023 07:00 PM	0.0	0.0	0.0
07/16/2023 08:00 PM	0.0	0.0	0.0
07/16/2023 09:00 PM	0.0	0.0	0.0
07/16/2023 10:00 PM	0.0	0.0	0.0
07/16/2023 11:00 PM	0.0	0.0	0.0
07/17/2023 12:00 AM	0.0	0.0	0.0
07/17/2023 01:00 AM	0.0	0.0	0.0
07/17/2023 02:00 AM	0.0	0.0	0.0
07/17/2023 03:00 AM	0.0	0.0	0.0
07/17/2023 04:00 AM	0.0	0.0	0.0
07/17/2023 05:00 AM	0.0	0.0	0.0
07/17/2023 06:00 AM	0.0	0.0	0.0
07/17/2023 07:00 AM	0.0	0.0	0.0
07/17/2023 08:00 AM	0.0	0.0	0.0
07/17/2023 09:00 AM	0.0	0.0	0.0
07/17/2023 10:00 AM	0.0	0.0	0.0
07/17/2023 11:00 AM	0.0	0.0	0.0
07/17/2023 12:00 PM	0.0	0.0	0.0
07/17/2023 01:00 PM	0.0	0.0	0.0
07/17/2023 02:00 PM	0.0	0.0	0.0
07/17/2023 03:00 PM	0.0	0.0	0.0
07/17/2023 04:00 PM	0.0	0.0	0.0
07/17/2023 05:00 PM	0.0	0.0	0.0
07/17/2023 06:00 PM	0.0	0.0	0.0
07/17/2023 07:00 PM	0.0	0.0	0.0
07/17/2023 08:00 PM	0.0	0.0	0.0
07/17/2023 09:00 PM	0.0	0.0	0.0
07/17/2023 10:00 PM	0.0	0.0	0.0
07/17/2023 11:00 PM	0.0	0.0	0.0
07/18/2023 12:00 AM	0.0	0.0	0.0
07/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/18/2023 02:00 AM	0.0	0.0	0.0
07/18/2023 03:00 AM	0.0	0.0	0.0
07/18/2023 04:00 AM	0.0	0.0	0.0
07/18/2023 05:00 AM	0.0	0.0	0.0
07/18/2023 06:00 AM	0.0	0.0	0.0
07/18/2023 07:00 AM	0.0	0.0	0.0
07/18/2023 08:00 AM	1,700.8	0.0	1,590.3
07/18/2023 09:00 AM	1,684.8	1,648.4	1,663.6
07/18/2023 10:00 AM	1,652.8	1,640.8	1,647.1
07/18/2023 11:00 AM	1,646.2	1,632.8	1,639.5
07/18/2023 12:00 PM	1,636.9	1,616.0	1,626.3
07/18/2023 01:00 PM	1,616.0	1,587.1	1,602.1
07/18/2023 02:00 PM	1,588.6	0.0	79.4
07/18/2023 03:00 PM	0.0	0.0	0.0
07/18/2023 04:00 PM	0.0	0.0	0.0
07/18/2023 05:00 PM	0.0	0.0	0.0
07/18/2023 06:00 PM	0.0	0.0	0.0
07/18/2023 07:00 PM	0.0	0.0	0.0
07/18/2023 08:00 PM	0.0	0.0	0.0
07/18/2023 09:00 PM	0.0	0.0	0.0
07/18/2023 10:00 PM	0.0	0.0	0.0
07/18/2023 11:00 PM	0.0	0.0	0.0
07/19/2023 12:00 AM	0.0	0.0	0.0
07/19/2023 01:00 AM	0.0	0.0	0.0
07/19/2023 02:00 AM	0.0	0.0	0.0
07/19/2023 03:00 AM	0.0	0.0	0.0
07/19/2023 04:00 AM	0.0	0.0	0.0
07/19/2023 05:00 AM	0.0	0.0	0.0
07/19/2023 06:00 AM	0.0	0.0	0.0
07/19/2023 07:00 AM	0.0	0.0	0.0
07/19/2023 08:00 AM	0.0	0.0	0.0
07/19/2023 09:00 AM	0.0	0.0	0.0
07/19/2023 10:00 AM	0.0	0.0	0.0
07/19/2023 11:00 AM	0.0	0.0	0.0
07/19/2023 12:00 PM	0.0	0.0	0.0
07/19/2023 01:00 PM	0.0	0.0	0.0
07/19/2023 02:00 PM	0.0	0.0	0.0
07/19/2023 03:00 PM	0.0	0.0	0.0
07/19/2023 04:00 PM	0.0	0.0	0.0
07/19/2023 05:00 PM	0.0	0.0	0.0
07/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/19/2023 07:00 PM	0.0	0.0	0.0
07/19/2023 08:00 PM	0.0	0.0	0.0
07/19/2023 09:00 PM	0.0	0.0	0.0
07/19/2023 10:00 PM	0.0	0.0	0.0
07/19/2023 11:00 PM	0.0	0.0	0.0
07/20/2023 12:00 AM	0.0	0.0	0.0
07/20/2023 01:00 AM	0.0	0.0	0.0
07/20/2023 02:00 AM	0.0	0.0	0.0
07/20/2023 03:00 AM	0.0	0.0	0.0
07/20/2023 04:00 AM	0.0	0.0	0.0
07/20/2023 05:00 AM	0.0	0.0	0.0
07/20/2023 06:00 AM	0.0	0.0	0.0
07/20/2023 07:00 AM	0.0	0.0	0.0
07/20/2023 08:00 AM	2,521.8	0.0	1,725.4
07/20/2023 09:00 AM	1,668.8	1,617.9	1,644.4
07/20/2023 10:00 AM	1,626.6	1,580.5	1,604.8
07/20/2023 11:00 AM	1,588.4	1,541.2	1,564.4
07/20/2023 12:00 PM	1,550.0	1,503.6	1,528.3
07/20/2023 01:00 PM	1,517.4	1,479.2	1,497.9
07/20/2023 02:00 PM	1,480.8	0.0	74.0
07/20/2023 03:00 PM	0.0	0.0	0.0
07/20/2023 04:00 PM	0.0	0.0	0.0
07/20/2023 05:00 PM	0.0	0.0	0.0
07/20/2023 06:00 PM	0.0	0.0	0.0
07/20/2023 07:00 PM	0.0	0.0	0.0
07/20/2023 08:00 PM	0.0	0.0	0.0
07/20/2023 09:00 PM	0.0	0.0	0.0
07/20/2023 10:00 PM	0.0	0.0	0.0
07/20/2023 11:00 PM	0.0	0.0	0.0
07/21/2023 12:00 AM	0.0	0.0	0.0
07/21/2023 01:00 AM	0.0	0.0	0.0
07/21/2023 02:00 AM	0.0	0.0	0.0
07/21/2023 03:00 AM	0.0	0.0	0.0
07/21/2023 04:00 AM	0.0	0.0	0.0
07/21/2023 05:00 AM	0.0	0.0	0.0
07/21/2023 06:00 AM	0.0	0.0	0.0
07/21/2023 07:00 AM	0.0	0.0	0.0
07/21/2023 08:00 AM	0.0	0.0	0.0
07/21/2023 09:00 AM	0.0	0.0	0.0
07/21/2023 10:00 AM	0.0	0.0	0.0
07/21/2023 11:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/21/2023 12:00 PM	0.0	0.0	0.0
07/21/2023 01:00 PM	0.0	0.0	0.0
07/21/2023 02:00 PM	0.0	0.0	0.0
07/21/2023 03:00 PM	0.0	0.0	0.0
07/21/2023 04:00 PM	0.0	0.0	0.0
07/21/2023 05:00 PM	0.0	0.0	0.0
07/21/2023 06:00 PM	0.0	0.0	0.0
07/21/2023 07:00 PM	0.0	0.0	0.0
07/21/2023 08:00 PM	0.0	0.0	0.0
07/21/2023 09:00 PM	0.0	0.0	0.0
07/21/2023 10:00 PM	0.0	0.0	0.0
07/21/2023 11:00 PM	0.0	0.0	0.0
07/22/2023 12:00 AM	0.0	0.0	0.0
07/22/2023 01:00 AM	0.0	0.0	0.0
07/22/2023 02:00 AM	0.0	0.0	0.0
07/22/2023 03:00 AM	0.0	0.0	0.0
07/22/2023 04:00 AM	0.0	0.0	0.0
07/22/2023 05:00 AM	0.0	0.0	0.0
07/22/2023 06:00 AM	0.0	0.0	0.0
07/22/2023 07:00 AM	0.0	0.0	0.0
07/22/2023 08:00 AM	0.0	0.0	0.0
07/22/2023 09:00 AM	0.0	0.0	0.0
07/22/2023 10:00 AM	0.0	0.0	0.0
07/22/2023 11:00 AM	0.0	0.0	0.0
07/22/2023 12:00 PM	0.0	0.0	0.0
07/22/2023 01:00 PM	0.0	0.0	0.0
07/22/2023 02:00 PM	0.0	0.0	0.0
07/22/2023 03:00 PM	0.0	0.0	0.0
07/22/2023 04:00 PM	0.0	0.0	0.0
07/22/2023 05:00 PM	0.0	0.0	0.0
07/22/2023 06:00 PM	0.0	0.0	0.0
07/22/2023 07:00 PM	0.0	0.0	0.0
07/22/2023 08:00 PM	0.0	0.0	0.0
07/22/2023 09:00 PM	0.0	0.0	0.0
07/22/2023 10:00 PM	0.0	0.0	0.0
07/22/2023 11:00 PM	0.0	0.0	0.0
07/23/2023 12:00 AM	0.0	0.0	0.0
07/23/2023 01:00 AM	0.0	0.0	0.0
07/23/2023 02:00 AM	0.0	0.0	0.0
07/23/2023 03:00 AM	0.0	0.0	0.0
07/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/23/2023 05:00 AM	0.0	0.0	0.0
07/23/2023 06:00 AM	0.0	0.0	0.0
07/23/2023 07:00 AM	0.0	0.0	0.0
07/23/2023 08:00 AM	0.0	0.0	0.0
07/23/2023 09:00 AM	0.0	0.0	0.0
07/23/2023 10:00 AM	0.0	0.0	0.0
07/23/2023 11:00 AM	0.0	0.0	0.0
07/23/2023 12:00 PM	0.0	0.0	0.0
07/23/2023 01:00 PM	0.0	0.0	0.0
07/23/2023 02:00 PM	0.0	0.0	0.0
07/23/2023 03:00 PM	0.0	0.0	0.0
07/23/2023 04:00 PM	0.0	0.0	0.0
07/23/2023 05:00 PM	0.0	0.0	0.0
07/23/2023 06:00 PM	0.0	0.0	0.0
07/23/2023 07:00 PM	0.0	0.0	0.0
07/23/2023 08:00 PM	0.0	0.0	0.0
07/23/2023 09:00 PM	0.0	0.0	0.0
07/23/2023 10:00 PM	0.0	0.0	0.0
07/23/2023 11:00 PM	0.0	0.0	0.0
07/24/2023 12:00 AM	0.0	0.0	0.0
07/24/2023 01:00 AM	0.0	0.0	0.0
07/24/2023 02:00 AM	0.0	0.0	0.0
07/24/2023 03:00 AM	0.0	0.0	0.0
07/24/2023 04:00 AM	0.0	0.0	0.0
07/24/2023 05:00 AM	0.0	0.0	0.0
07/24/2023 06:00 AM	0.0	0.0	0.0
07/24/2023 07:00 AM	0.0	0.0	0.0
07/24/2023 08:00 AM	0.0	0.0	0.0
07/24/2023 09:00 AM	0.0	0.0	0.0
07/24/2023 10:00 AM	0.0	0.0	0.0
07/24/2023 11:00 AM	0.0	0.0	0.0
07/24/2023 12:00 PM	0.0	0.0	0.0
07/24/2023 01:00 PM	0.0	0.0	0.0
07/24/2023 02:00 PM	0.0	0.0	0.0
07/24/2023 03:00 PM	0.0	0.0	0.0
07/24/2023 04:00 PM	0.0	0.0	0.0
07/24/2023 05:00 PM	0.0	0.0	0.0
07/24/2023 06:00 PM	0.0	0.0	0.0
07/24/2023 07:00 PM	0.0	0.0	0.0
07/24/2023 08:00 PM	0.0	0.0	0.0
07/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/24/2023 10:00 PM	0.0	0.0	0.0
07/24/2023 11:00 PM	0.0	0.0	0.0
07/25/2023 12:00 AM	0.0	0.0	0.0
07/25/2023 01:00 AM	0.0	0.0	0.0
07/25/2023 02:00 AM	0.0	0.0	0.0
07/25/2023 03:00 AM	0.0	0.0	0.0
07/25/2023 04:00 AM	0.0	0.0	0.0
07/25/2023 05:00 AM	0.0	0.0	0.0
07/25/2023 06:00 AM	0.0	0.0	0.0
07/25/2023 07:00 AM	0.0	0.0	0.0
07/25/2023 08:00 AM	1,687.5	0.0	1,578.1
07/25/2023 09:00 AM	1,662.1	1,632.3	1,646.3
07/25/2023 10:00 AM	1,637.9	1,625.1	1,630.6
07/25/2023 11:00 AM	1,628.9	1,613.5	1,621.1
07/25/2023 12:00 PM	1,619.1	1,602.9	1,611.6
07/25/2023 01:00 PM	1,606.9	1,586.6	1,597.2
07/25/2023 02:00 PM	1,586.6	0.0	79.3
07/25/2023 03:00 PM	0.0	0.0	0.0
07/25/2023 04:00 PM	0.0	0.0	0.0
07/25/2023 05:00 PM	0.0	0.0	0.0
07/25/2023 06:00 PM	0.0	0.0	0.0
07/25/2023 07:00 PM	0.0	0.0	0.0
07/25/2023 08:00 PM	0.0	0.0	0.0
07/25/2023 09:00 PM	0.0	0.0	0.0
07/25/2023 10:00 PM	0.0	0.0	0.0
07/25/2023 11:00 PM	0.0	0.0	0.0
07/26/2023 12:00 AM	0.0	0.0	0.0
07/26/2023 01:00 AM	0.0	0.0	0.0
07/26/2023 02:00 AM	0.0	0.0	0.0
07/26/2023 03:00 AM	0.0	0.0	0.0
07/26/2023 04:00 AM	0.0	0.0	0.0
07/26/2023 05:00 AM	0.0	0.0	0.0
07/26/2023 06:00 AM	0.0	0.0	0.0
07/26/2023 07:00 AM	0.0	0.0	0.0
07/26/2023 08:00 AM	0.0	0.0	0.0
07/26/2023 09:00 AM	0.0	0.0	0.0
07/26/2023 10:00 AM	0.0	0.0	0.0
07/26/2023 11:00 AM	0.0	0.0	0.0
07/26/2023 12:00 PM	0.0	0.0	0.0
07/26/2023 01:00 PM	0.0	0.0	0.0
07/26/2023 02:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/26/2023 03:00 PM	0.0	0.0	0.0
07/26/2023 04:00 PM	0.0	0.0	0.0
07/26/2023 05:00 PM	0.0	0.0	0.0
07/26/2023 06:00 PM	0.0	0.0	0.0
07/26/2023 07:00 PM	0.0	0.0	0.0
07/26/2023 08:00 PM	0.0	0.0	0.0
07/26/2023 09:00 PM	0.0	0.0	0.0
07/26/2023 10:00 PM	0.0	0.0	0.0
07/26/2023 11:00 PM	0.0	0.0	0.0
07/27/2023 12:00 AM	0.0	0.0	0.0
07/27/2023 01:00 AM	0.0	0.0	0.0
07/27/2023 02:00 AM	0.0	0.0	0.0
07/27/2023 03:00 AM	0.0	0.0	0.0
07/27/2023 04:00 AM	0.0	0.0	0.0
07/27/2023 05:00 AM	0.0	0.0	0.0
07/27/2023 06:00 AM	0.0	0.0	0.0
07/27/2023 07:00 AM	0.0	0.0	0.0
07/27/2023 08:00 AM	1,996.5	0.0	1,644.0
07/27/2023 09:00 AM	1,681.3	1,625.4	1,648.1
07/27/2023 10:00 AM	1,629.4	1,590.8	1,609.5
07/27/2023 11:00 AM	1,602.5	1,556.8	1,579.9
07/27/2023 12:00 PM	1,564.4	1,533.3	1,546.4
07/27/2023 01:00 PM	1,540.0	1,505.4	1,521.1
07/27/2023 02:00 PM	1,506.5	0.0	75.3
07/27/2023 03:00 PM	0.0	0.0	0.0
07/27/2023 04:00 PM	0.0	0.0	0.0
07/27/2023 05:00 PM	0.0	0.0	0.0
07/27/2023 06:00 PM	0.0	0.0	0.0
07/27/2023 07:00 PM	0.0	0.0	0.0
07/27/2023 08:00 PM	0.0	0.0	0.0
07/27/2023 09:00 PM	0.0	0.0	0.0
07/27/2023 10:00 PM	0.0	0.0	0.0
07/27/2023 11:00 PM	0.0	0.0	0.0
07/28/2023 12:00 AM	0.0	0.0	0.0
07/28/2023 01:00 AM	0.0	0.0	0.0
07/28/2023 02:00 AM	0.0	0.0	0.0
07/28/2023 03:00 AM	0.0	0.0	0.0
07/28/2023 04:00 AM	0.0	0.0	0.0
07/28/2023 05:00 AM	0.0	0.0	0.0
07/28/2023 06:00 AM	0.0	0.0	0.0
07/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/28/2023 08:00 AM	0.0	0.0	0.0
07/28/2023 09:00 AM	0.0	0.0	0.0
07/28/2023 10:00 AM	0.0	0.0	0.0
07/28/2023 11:00 AM	0.0	0.0	0.0
07/28/2023 12:00 PM	0.0	0.0	0.0
07/28/2023 01:00 PM	0.0	0.0	0.0
07/28/2023 02:00 PM	0.0	0.0	0.0
07/28/2023 03:00 PM	0.0	0.0	0.0
07/28/2023 04:00 PM	0.0	0.0	0.0
07/28/2023 05:00 PM	0.0	0.0	0.0
07/28/2023 06:00 PM	0.0	0.0	0.0
07/28/2023 07:00 PM	0.0	0.0	0.0
07/28/2023 08:00 PM	0.0	0.0	0.0
07/28/2023 09:00 PM	0.0	0.0	0.0
07/28/2023 10:00 PM	0.0	0.0	0.0
07/28/2023 11:00 PM	0.0	0.0	0.0
07/29/2023 12:00 AM	0.0	0.0	0.0
07/29/2023 01:00 AM	0.0	0.0	0.0
07/29/2023 02:00 AM	0.0	0.0	0.0
07/29/2023 03:00 AM	0.0	0.0	0.0
07/29/2023 04:00 AM	0.0	0.0	0.0
07/29/2023 05:00 AM	0.0	0.0	0.0
07/29/2023 06:00 AM	0.0	0.0	0.0
07/29/2023 07:00 AM	0.0	0.0	0.0
07/29/2023 08:00 AM	0.0	0.0	0.0
07/29/2023 09:00 AM	0.0	0.0	0.0
07/29/2023 10:00 AM	0.0	0.0	0.0
07/29/2023 11:00 AM	0.0	0.0	0.0
07/29/2023 12:00 PM	0.0	0.0	0.0
07/29/2023 01:00 PM	0.0	0.0	0.0
07/29/2023 02:00 PM	0.0	0.0	0.0
07/29/2023 03:00 PM	0.0	0.0	0.0
07/29/2023 04:00 PM	0.0	0.0	0.0
07/29/2023 05:00 PM	0.0	0.0	0.0
07/29/2023 06:00 PM	0.0	0.0	0.0
07/29/2023 07:00 PM	0.0	0.0	0.0
07/29/2023 08:00 PM	0.0	0.0	0.0
07/29/2023 09:00 PM	0.0	0.0	0.0
07/29/2023 10:00 PM	0.0	0.0	0.0
07/29/2023 11:00 PM	0.0	0.0	0.0
07/30/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/30/2023 01:00 AM	0.0	0.0	0.0
07/30/2023 02:00 AM	0.0	0.0	0.0
07/30/2023 03:00 AM	0.0	0.0	0.0
07/30/2023 04:00 AM	0.0	0.0	0.0
07/30/2023 05:00 AM	0.0	0.0	0.0
07/30/2023 06:00 AM	0.0	0.0	0.0
07/30/2023 07:00 AM	0.0	0.0	0.0
07/30/2023 08:00 AM	0.0	0.0	0.0
07/30/2023 09:00 AM	0.0	0.0	0.0
07/30/2023 10:00 AM	0.0	0.0	0.0
07/30/2023 11:00 AM	0.0	0.0	0.0
07/30/2023 12:00 PM	0.0	0.0	0.0
07/30/2023 01:00 PM	0.0	0.0	0.0
07/30/2023 02:00 PM	0.0	0.0	0.0
07/30/2023 03:00 PM	0.0	0.0	0.0
07/30/2023 04:00 PM	0.0	0.0	0.0
07/30/2023 05:00 PM	0.0	0.0	0.0
07/30/2023 06:00 PM	0.0	0.0	0.0
07/30/2023 07:00 PM	0.0	0.0	0.0
07/30/2023 08:00 PM	0.0	0.0	0.0
07/30/2023 09:00 PM	0.0	0.0	0.0
07/30/2023 10:00 PM	0.0	0.0	0.0
07/30/2023 11:00 PM	0.0	0.0	0.0
07/31/2023 12:00 AM	0.0	0.0	0.0
07/31/2023 01:00 AM	0.0	0.0	0.0
07/31/2023 02:00 AM	0.0	0.0	0.0
07/31/2023 03:00 AM	0.0	0.0	0.0
07/31/2023 04:00 AM	0.0	0.0	0.0
07/31/2023 05:00 AM	0.0	0.0	0.0
07/31/2023 06:00 AM	0.0	0.0	0.0
07/31/2023 07:00 AM	0.0	0.0	0.0
07/31/2023 08:00 AM	0.0	0.0	0.0
07/31/2023 09:00 AM	0.0	0.0	0.0
07/31/2023 10:00 AM	0.0	0.0	0.0
07/31/2023 11:00 AM	0.0	0.0	0.0
07/31/2023 12:00 PM	0.0	0.0	0.0
07/31/2023 01:00 PM	0.0	0.0	0.0
07/31/2023 02:00 PM	0.0	0.0	0.0
07/31/2023 03:00 PM	0.0	0.0	0.0
07/31/2023 04:00 PM	0.0	0.0	0.0
07/31/2023 05:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
July 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
07/31/2023 06:00 PM	0.0	0.0	0.0
07/31/2023 07:00 PM	0.0	0.0	0.0
07/31/2023 08:00 PM	0.0	0.0	0.0
07/31/2023 09:00 PM	0.0	0.0	0.0
07/31/2023 10:00 PM	0.0	0.0	0.0
07/31/2023 11:00 PM	0.0	0.0	0.0

August 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
August 2023

Date	Raw Water	Finished Water
08/01/2023	367,602	365,847
08/02/2023	351,528	335,882
08/03/2023	372,747	364,681
08/04/2023	338,489	340,036
08/05/2023	352,874	338,330
08/06/2023	338,338	330,918
08/07/2023	325,183	320,400
08/08/2023	381,249	373,158
08/09/2023	339,344	330,408
08/10/2023	372,316	367,035
08/11/2023	349,557	342,901
08/12/2023	342,692	331,785
08/13/2023	337,284	337,260
08/14/2023	353,215	331,392
08/15/2023	370,767	355,630
08/16/2023	339,574	339,277
08/17/2023	376,630	368,385
08/18/2023	347,209	332,312
08/19/2023	338,206	337,727
08/20/2023	352,275	338,440
08/21/2023	338,871	331,269
08/22/2023	371,562	371,971
08/23/2023	352,436	338,356
08/24/2023	372,674	368,600
08/25/2023	342,600	332,170
08/26/2023	338,838	338,904
08/27/2023	352,471	337,032
08/28/2023	339,029	330,413
08/29/2023	373,174	373,811
08/30/2023	349,612	333,166
08/31/2023	372,766	362,538
Totals:	**10,951,111**	**10,700,032**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
August 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
08/01/2023	7.1	8.2	9.8	7.9
08/02/2023	5.9	8.8	8.3	8.0
08/03/2023	8.2	7.4	9.6	8.0
08/04/2023	8.8	5.4	8.3	8.2
08/05/2023	9.5	5.3	7.8	8.6
08/06/2023	9.2	4.9	7.4	8.7
08/07/2023	8.7	4.9	8.3	7.2
08/08/2023	9.4	6.6	6.5	11.6
08/09/2023	9.0	5.2	7.5	8.6
08/10/2023	7.9	7.6	8.7	9.1
08/11/2023	6.1	8.5	8.3	8.3
08/12/2023	5.4	8.9	8.3	7.8
08/13/2023	6.0	8.1	8.3	8.2
08/14/2023	6.1	8.6	7.9	8.6
08/15/2023	6.6	8.9	6.7	11.0
08/16/2023	6.2	8.0	8.0	8.6
08/17/2023	8.3	7.4	9.9	8.0
08/18/2023	9.4	5.1	8.4	7.8
08/19/2023	8.7	5.5	8.4	8.1
08/20/2023	9.4	5.4	7.8	8.7
08/21/2023	8.7	5.5	7.5	8.6
08/22/2023	7.9	7.6	9.8	8.3
08/23/2023	6.2	8.6	8.3	8.1
08/24/2023	7.2	8.3	9.9	7.9
08/25/2023	5.8	8.5	8.3	7.8
08/26/2023	6.1	8.0	8.3	8.2
08/27/2023	5.8	8.9	7.7	8.7
08/28/2023	5.8	8.3	7.5	8.6
08/29/2023	6.9	8.7	9.7	8.5
08/30/2023	6.0	8.6	8.3	8.0
08/31/2023	8.4	7.2	9.5	8.1
Totals:	**230.7**	**227.0**	**259.1**	**261.8**
	457.7		**521.0**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
August 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
08/01/2023	0.0	15.4	0.0	17.8
08/02/2023	0.0	14.8	0.0	16.3
08/03/2023	0.0	15.7	0.0	17.7
08/04/2023	0.0	14.3	0.0	16.5
08/05/2023	0.0	14.9	0.0	16.4
08/06/2023	0.0	14.3	0.0	16.1
08/07/2023	0.0	13.7	0.0	15.6
08/08/2023	0.0	16.0	0.0	18.2
08/09/2023	0.0	14.3	0.0	16.1
08/10/2023	0.0	15.6	0.0	17.8
08/11/2023	0.0	14.7	0.0	16.7
08/12/2023	0.0	14.4	0.0	16.1
08/13/2023	0.0	14.2	0.0	16.6
08/14/2023	0.0	14.8	0.0	16.5
08/15/2023	0.0	15.6	0.0	17.7
08/16/2023	0.0	14.3	0.0	16.7
08/17/2023	0.0	15.8	0.0	17.9
08/18/2023	0.0	14.6	0.0	16.2
08/19/2023	0.0	14.2	0.0	16.5
08/20/2023	0.0	14.8	0.0	16.5
08/21/2023	0.0	14.3	0.0	16.2
08/22/2023	0.0	15.6	0.0	18.1
08/23/2023	0.0	14.8	0.0	16.5
08/24/2023	0.0	15.7	0.0	17.9
08/25/2023	0.0	14.4	0.0	16.2
08/26/2023	0.0	14.2	0.0	16.6
08/27/2023	0.0	14.8	0.0	16.5
08/28/2023	0.0	14.2	0.0	16.2
08/29/2023	0.0	15.7	0.0	18.2
08/30/2023	0.0	14.7	0.0	16.3
08/31/2023	0.0	15.7	0.0	17.7
Totals:	**0.0**	**460.4**	**0.0**	**522.3**
	460.4		**522.3**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
August 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
08/01/2023	6.0	30,419	24.0	338,992
08/02/2023	0.0	0	24.0	338,993
08/03/2023	6.0	30,167	24.0	338,935
08/04/2023	0.0	0	24.0	338,988
08/05/2023	0.0	0	24.0	339,034
08/06/2023	0.0	0	24.0	339,056
08/07/2023	0.0	0	23.0	321,127
08/08/2023	6.0	30,157	24.0	339,071
08/09/2023	0.0	0	24.0	339,077
08/10/2023	6.0	30,163	24.0	339,081
08/11/2023	0.0	0	24.0	339,066
08/12/2023	0.0	0	24.0	339,037
08/13/2023	0.0	0	24.0	339,063
08/14/2023	0.0	0	24.0	339,068
08/15/2023	6.0	30,205	24.0	338,991
08/16/2023	0.0	0	24.0	339,054
08/17/2023	6.0	30,173	24.0	339,108
08/18/2023	0.0	0	24.0	339,125
08/19/2023	0.0	0	24.0	339,169
08/20/2023	0.0	0	24.0	339,146
08/21/2023	0.0	0	24.0	339,153
08/22/2023	6.0	30,161	24.0	339,129
08/23/2023	0.0	0	24.0	339,024
08/24/2023	6.0	30,076	24.0	338,829
08/25/2023	0.0	0	24.0	338,957
08/26/2023	0.0	0	24.0	338,950
08/27/2023	0.0	0	24.0	339,053
08/28/2023	0.0	0	24.0	339,069
08/29/2023	6.0	30,039	24.0	339,015
08/30/2023	0.0	0	24.0	339,062
08/31/2023	6.0	29,950	24.0	339,111
Totals:	**60.0**	**301,511**	**743.0**	**10,492,531**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/01/2023 12:00 AM	0.0	200.8	282.4	222.0
08/01/2023 01:00 AM	0.0	200.9	282.4	222.0
08/01/2023 02:00 AM	0.0	200.9	282.4	222.0
08/01/2023 03:00 AM	0.0	200.9	282.4	222.0
08/01/2023 04:00 AM	0.0	200.9	282.4	222.0
08/01/2023 05:00 AM	0.0	200.9	282.4	222.0
08/01/2023 06:00 AM	0.0	200.9	282.3	222.0
08/01/2023 07:00 AM	0.0	200.9	282.3	222.0
08/01/2023 08:00 AM	197.7	200.8	282.4	222.0
08/01/2023 09:00 AM	208.7	200.8	282.5	222.0
08/01/2023 10:00 AM	208.8	200.8	282.6	222.0
08/01/2023 11:00 AM	209.0	200.8	282.7	222.0
08/01/2023 12:00 PM	209.0	200.8	282.8	222.0
08/01/2023 01:00 PM	209.1	200.8	282.8	222.0
08/01/2023 02:00 PM	10.5	201.8	282.8	222.0
08/01/2023 03:00 PM	0.0	201.3	282.7	222.0
08/01/2023 04:00 PM	0.0	201.1	282.6	222.0
08/01/2023 05:00 PM	0.0	201.0	282.5	222.0
08/01/2023 06:00 PM	0.0	200.9	282.5	222.0
08/01/2023 07:00 PM	0.0	200.8	282.4	222.0
08/01/2023 08:00 PM	0.0	200.8	282.3	222.0
08/01/2023 09:00 PM	0.0	200.8	282.3	222.0
08/01/2023 10:00 PM	0.0	200.7	282.3	222.0
08/01/2023 11:00 PM	0.0	200.7	282.3	222.0
08/02/2023 12:00 AM	0.0	200.8	282.3	222.0
08/02/2023 01:00 AM	0.0	200.8	282.3	222.0
08/02/2023 02:00 AM	0.0	200.8	282.3	222.0
08/02/2023 03:00 AM	0.0	200.9	282.3	222.0
08/02/2023 04:00 AM	0.0	200.9	282.4	222.0
08/02/2023 05:00 AM	0.0	201.0	282.4	222.0
08/02/2023 06:00 AM	0.0	201.0	282.4	222.0
08/02/2023 07:00 AM	0.0	201.0	282.4	222.0
08/02/2023 08:00 AM	0.0	201.0	282.4	222.0
08/02/2023 09:00 AM	0.0	201.0	282.4	222.0
08/02/2023 10:00 AM	0.0	201.0	282.5	222.0
08/02/2023 11:00 AM	0.0	201.0	282.5	222.0
08/02/2023 12:00 PM	0.0	201.0	282.5	222.0
08/02/2023 01:00 PM	0.0	200.9	282.5	222.0
08/02/2023 02:00 PM	0.0	200.9	282.4	222.0
08/02/2023 03:00 PM	0.0	200.8	282.4	222.0
08/02/2023 04:00 PM	0.0	200.8	282.4	222.0
08/02/2023 05:00 PM	0.0	200.7	282.3	222.0
08/02/2023 06:00 PM	0.0	200.7	282.3	222.0
08/02/2023 07:00 PM	0.0	200.7	282.3	222.0
08/02/2023 08:00 PM	0.0	200.7	282.2	222.0
08/02/2023 09:00 PM	0.0	200.7	282.2	222.0
08/02/2023 10:00 PM	0.0	200.6	282.2	222.0
08/02/2023 11:00 PM	0.0	200.6	282.2	222.0
08/03/2023 12:00 AM	0.0	200.7	282.3	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/03/2023 01:00 AM	0.0	200.7	282.3	222.0
08/03/2023 02:00 AM	0.0	200.8	282.2	222.0
08/03/2023 03:00 AM	0.0	200.8	282.3	222.0
08/03/2023 04:00 AM	0.0	200.8	282.3	222.0
08/03/2023 05:00 AM	0.0	200.8	282.3	222.0
08/03/2023 06:00 AM	0.0	200.8	282.3	222.0
08/03/2023 07:00 AM	0.0	200.8	282.3	222.0
08/03/2023 08:00 AM	197.6	200.8	282.3	222.0
08/03/2023 09:00 AM	208.5	200.8	282.4	222.0
08/03/2023 10:00 AM	208.7	200.8	282.5	222.0
08/03/2023 11:00 AM	208.8	200.8	282.6	222.0
08/03/2023 12:00 PM	208.8	200.8	282.7	222.0
08/03/2023 01:00 PM	208.9	200.8	282.7	222.0
08/03/2023 02:00 PM	13.9	201.5	282.7	222.0
08/03/2023 03:00 PM	0.0	201.1	282.6	222.0
08/03/2023 04:00 PM	0.0	201.0	282.6	222.0
08/03/2023 05:00 PM	0.0	200.9	282.5	222.0
08/03/2023 06:00 PM	0.0	200.8	282.4	222.0
08/03/2023 07:00 PM	0.0	200.7	282.3	222.0
08/03/2023 08:00 PM	0.0	200.7	282.3	222.0
08/03/2023 09:00 PM	0.0	200.6	282.2	222.0
08/03/2023 10:00 PM	0.0	200.6	282.2	222.0
08/03/2023 11:00 PM	0.0	200.6	282.2	222.0
08/04/2023 12:00 AM	0.0	200.6	282.2	222.0
08/04/2023 01:00 AM	0.0	200.7	282.2	222.0
08/04/2023 02:00 AM	0.0	200.7	282.3	222.0
08/04/2023 03:00 AM	0.0	200.8	282.3	222.0
08/04/2023 04:00 AM	0.0	200.8	282.3	222.0
08/04/2023 05:00 AM	0.0	200.9	282.3	222.0
08/04/2023 06:00 AM	0.0	200.9	282.4	222.0
08/04/2023 07:00 AM	0.0	200.9	282.4	222.0
08/04/2023 08:00 AM	0.0	200.9	282.4	222.0
08/04/2023 09:00 AM	0.0	201.0	282.4	222.0
08/04/2023 10:00 AM	0.0	201.0	282.5	222.0
08/04/2023 11:00 AM	0.0	201.0	282.5	222.0
08/04/2023 12:00 PM	0.0	201.0	282.5	222.0
08/04/2023 01:00 PM	0.0	201.0	282.6	222.0
08/04/2023 02:00 PM	0.0	200.9	282.6	222.0
08/04/2023 03:00 PM	0.0	200.9	282.6	222.0
08/04/2023 04:00 PM	0.0	200.9	282.6	222.0
08/04/2023 05:00 PM	0.0	200.8	282.6	222.0
08/04/2023 06:00 PM	0.0	200.8	282.5	222.0
08/04/2023 07:00 PM	0.0	200.8	282.5	222.0
08/04/2023 08:00 PM	0.0	200.7	282.4	222.0
08/04/2023 09:00 PM	0.0	200.7	282.4	222.0
08/04/2023 10:00 PM	0.0	200.7	282.4	222.0
08/04/2023 11:00 PM	0.0	200.7	282.4	222.0
08/05/2023 12:00 AM	0.0	200.7	282.4	222.0
08/05/2023 01:00 AM	0.0	200.7	282.4	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/05/2023 02:00 AM	0.0	200.7	282.4	222.0
08/05/2023 03:00 AM	0.0	200.6	282.4	222.0
08/05/2023 04:00 AM	0.0	200.6	282.3	222.0
08/05/2023 05:00 AM	0.0	200.6	282.3	222.0
08/05/2023 06:00 AM	0.0	200.6	282.3	222.0
08/05/2023 07:00 AM	0.0	200.6	282.3	222.0
08/05/2023 08:00 AM	0.0	200.6	282.3	222.0
08/05/2023 09:00 AM	0.0	200.6	282.3	222.0
08/05/2023 10:00 AM	0.0	200.6	282.4	222.0
08/05/2023 11:00 AM	0.0	200.6	282.3	222.0
08/05/2023 12:00 PM	0.0	200.6	282.4	222.0
08/05/2023 01:00 PM	0.0	200.6	282.4	222.0
08/05/2023 02:00 PM	0.0	200.6	282.4	222.0
08/05/2023 03:00 PM	0.0	200.6	282.4	222.0
08/05/2023 04:00 PM	0.0	200.5	282.4	222.0
08/05/2023 05:00 PM	0.0	200.5	282.3	222.0
08/05/2023 06:00 PM	0.0	200.5	282.3	222.0
08/05/2023 07:00 PM	0.0	200.5	282.3	222.0
08/05/2023 08:00 PM	0.0	200.5	282.3	222.0
08/05/2023 09:00 PM	0.0	200.5	282.3	222.0
08/05/2023 10:00 PM	0.0	200.5	282.3	222.0
08/05/2023 11:00 PM	0.0	200.5	282.3	222.0
08/06/2023 12:00 AM	0.0	200.5	282.3	222.0
08/06/2023 01:00 AM	0.0	200.5	282.2	222.0
08/06/2023 02:00 AM	0.0	200.5	282.3	222.0
08/06/2023 03:00 AM	0.0	200.5	282.2	222.0
08/06/2023 04:00 AM	0.0	200.5	282.2	222.0
08/06/2023 05:00 AM	0.0	200.5	282.2	222.0
08/06/2023 06:00 AM	0.0	200.5	282.3	222.0
08/06/2023 07:00 AM	0.0	200.5	282.2	222.0
08/06/2023 08:00 AM	0.0	200.5	282.3	222.0
08/06/2023 09:00 AM	0.0	200.5	282.3	222.0
08/06/2023 10:00 AM	0.0	200.5	282.3	222.0
08/06/2023 11:00 AM	0.0	200.5	282.3	222.0
08/06/2023 12:00 PM	0.0	200.4	282.3	222.0
08/06/2023 01:00 PM	0.0	200.4	282.3	222.0
08/06/2023 02:00 PM	0.0	200.4	282.3	222.0
08/06/2023 03:00 PM	0.0	200.4	282.4	222.0
08/06/2023 04:00 PM	0.0	200.4	282.3	222.0
08/06/2023 05:00 PM	0.0	200.4	282.3	222.0
08/06/2023 06:00 PM	0.0	200.4	282.3	222.0
08/06/2023 07:00 PM	0.0	200.4	282.3	222.0
08/06/2023 08:00 PM	0.0	200.4	282.3	222.0
08/06/2023 09:00 PM	0.0	200.4	282.3	222.0
08/06/2023 10:00 PM	0.0	200.4	282.2	222.0
08/06/2023 11:00 PM	0.0	200.4	282.3	222.0
08/07/2023 12:00 AM	0.0	200.5	282.3	222.0
08/07/2023 01:00 AM	0.0	200.5	282.3	222.0
08/07/2023 02:00 AM	0.0	200.6	282.4	222.0

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/07/2023 03:00 AM	0.0	200.7	282.4	222.0
08/07/2023 04:00 AM	0.0	200.7	282.4	222.0
08/07/2023 05:00 AM	0.0	200.8	282.5	222.0
08/07/2023 06:00 AM	0.0	200.9	282.5	222.0
08/07/2023 07:00 AM	0.0	200.9	282.5	222.0
08/07/2023 08:00 AM	0.0	200.9	282.6	222.0
08/07/2023 09:00 AM	0.0	200.9	98.9	227.6
08/07/2023 10:00 AM	0.0	200.7	98.9	224.1
08/07/2023 11:00 AM	0.0	200.5	281.0	223.9
08/07/2023 12:00 PM	0.0	200.6	281.6	223.9
08/07/2023 01:00 PM	0.0	200.7	281.8	223.9
08/07/2023 02:00 PM	0.0	200.7	281.8	223.9
08/07/2023 03:00 PM	0.0	200.7	281.9	223.9
08/07/2023 04:00 PM	0.0	200.7	281.9	223.9
08/07/2023 05:00 PM	0.0	200.7	282.0	223.9
08/07/2023 06:00 PM	0.0	200.6	281.9	223.9
08/07/2023 07:00 PM	0.0	200.6	281.9	223.9
08/07/2023 08:00 PM	0.0	200.6	281.9	223.9
08/07/2023 09:00 PM	0.0	200.6	281.9	223.9
08/07/2023 10:00 PM	0.0	200.6	281.9	223.9
08/07/2023 11:00 PM	0.0	200.6	281.9	223.9
08/08/2023 12:00 AM	0.0	200.6	282.0	223.9
08/08/2023 01:00 AM	0.0	200.7	282.0	223.9
08/08/2023 02:00 AM	0.0	200.7	282.0	223.9
08/08/2023 03:00 AM	0.0	200.8	282.0	223.9
08/08/2023 04:00 AM	0.0	200.8	282.0	223.9
08/08/2023 05:00 AM	0.0	200.8	282.0	223.9
08/08/2023 06:00 AM	0.0	200.8	282.0	223.9
08/08/2023 07:00 AM	0.0	200.8	282.0	223.9
08/08/2023 08:00 AM	197.6	200.8	282.1	223.9
08/08/2023 09:00 AM	208.6	200.8	282.2	223.9
08/08/2023 10:00 AM	208.8	200.8	282.3	223.9
08/08/2023 11:00 AM	208.9	200.8	282.4	223.9
08/08/2023 12:00 PM	208.9	200.8	282.4	223.9
08/08/2023 01:00 PM	208.9	200.8	282.5	223.9
08/08/2023 02:00 PM	10.5	201.6	282.4	223.9
08/08/2023 03:00 PM	0.0	201.1	282.4	223.9
08/08/2023 04:00 PM	0.0	201.0	282.3	223.9
08/08/2023 05:00 PM	0.0	200.9	282.3	223.9
08/08/2023 06:00 PM	0.0	200.8	282.1	223.9
08/08/2023 07:00 PM	0.0	200.8	282.1	223.9
08/08/2023 08:00 PM	0.0	200.7	282.1	223.9
08/08/2023 09:00 PM	0.0	200.7	282.0	223.9
08/08/2023 10:00 PM	0.0	200.7	282.0	223.9
08/08/2023 11:00 PM	0.0	200.7	282.0	223.9
08/09/2023 12:00 AM	0.0	200.7	282.0	223.9
08/09/2023 01:00 AM	0.0	200.7	282.0	223.9
08/09/2023 02:00 AM	0.0	200.8	282.1	223.9
08/09/2023 03:00 AM	0.0	200.8	282.1	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/09/2023 04:00 AM	0.0	200.9	282.1	223.9
08/09/2023 05:00 AM	0.0	200.9	282.1	223.9
08/09/2023 06:00 AM	0.0	201.0	282.2	223.9
08/09/2023 07:00 AM	0.0	201.0	282.2	223.9
08/09/2023 08:00 AM	0.0	201.0	282.2	223.9
08/09/2023 09:00 AM	0.0	201.0	282.2	223.9
08/09/2023 10:00 AM	0.0	201.0	282.2	223.9
08/09/2023 11:00 AM	0.0	200.9	282.2	223.9
08/09/2023 12:00 PM	0.0	200.9	282.2	223.9
08/09/2023 01:00 PM	0.0	200.8	282.2	223.9
08/09/2023 02:00 PM	0.0	200.8	282.2	223.9
08/09/2023 03:00 PM	0.0	200.8	282.2	223.9
08/09/2023 04:00 PM	0.0	200.7	282.2	223.9
08/09/2023 05:00 PM	0.0	200.7	282.2	223.9
08/09/2023 06:00 PM	0.0	200.7	282.2	223.9
08/09/2023 07:00 PM	0.0	200.7	282.2	223.9
08/09/2023 08:00 PM	0.0	200.6	282.1	223.9
08/09/2023 09:00 PM	0.0	200.6	282.1	223.9
08/09/2023 10:00 PM	0.0	200.6	282.1	223.9
08/09/2023 11:00 PM	0.0	200.6	282.1	223.9
08/10/2023 12:00 AM	0.0	200.6	282.1	223.9
08/10/2023 01:00 AM	0.0	200.7	282.1	223.9
08/10/2023 02:00 AM	0.0	200.7	282.1	223.9
08/10/2023 03:00 AM	0.0	200.7	282.1	223.9
08/10/2023 04:00 AM	0.0	200.8	282.1	223.9
08/10/2023 05:00 AM	0.0	200.8	282.2	223.9
08/10/2023 06:00 AM	0.0	200.8	282.2	223.9
08/10/2023 07:00 AM	0.0	200.8	282.2	223.9
08/10/2023 08:00 AM	197.6	200.8	282.2	223.9
08/10/2023 09:00 AM	208.5	200.8	282.3	223.9
08/10/2023 10:00 AM	208.7	200.8	282.4	223.9
08/10/2023 11:00 AM	208.7	200.8	282.5	223.9
08/10/2023 12:00 PM	208.8	200.8	282.5	223.9
08/10/2023 01:00 PM	208.8	200.8	282.5	223.9
08/10/2023 02:00 PM	10.4	201.5	282.5	223.9
08/10/2023 03:00 PM	0.0	201.1	282.5	223.9
08/10/2023 04:00 PM	0.0	200.9	282.4	223.9
08/10/2023 05:00 PM	0.0	200.8	282.3	223.9
08/10/2023 06:00 PM	0.0	200.8	282.3	223.9
08/10/2023 07:00 PM	0.0	200.7	282.2	223.9
08/10/2023 08:00 PM	0.0	200.7	282.2	223.9
08/10/2023 09:00 PM	0.0	200.7	282.2	223.9
08/10/2023 10:00 PM	0.0	200.7	282.2	223.9
08/10/2023 11:00 PM	0.0	200.7	282.1	223.9
08/11/2023 12:00 AM	0.0	200.7	282.2	223.9
08/11/2023 01:00 AM	0.0	200.7	282.2	223.9
08/11/2023 02:00 AM	0.0	200.8	282.2	223.9
08/11/2023 03:00 AM	0.0	200.9	282.2	223.9
08/11/2023 04:00 AM	0.0	200.9	282.3	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/11/2023 05:00 AM	0.0	201.0	282.3	223.9
08/11/2023 06:00 AM	0.0	201.0	282.3	223.9
08/11/2023 07:00 AM	0.0	201.1	282.4	223.9
08/11/2023 08:00 AM	0.0	201.1	282.4	223.9
08/11/2023 09:00 AM	0.0	201.1	282.4	223.9
08/11/2023 10:00 AM	0.0	201.1	282.4	223.9
08/11/2023 11:00 AM	0.0	201.0	282.4	223.9
08/11/2023 12:00 PM	0.0	201.0	282.4	223.9
08/11/2023 01:00 PM	0.0	200.9	282.3	223.9
08/11/2023 02:00 PM	0.0	200.8	282.3	223.9
08/11/2023 03:00 PM	0.0	200.8	282.3	223.9
08/11/2023 04:00 PM	0.0	200.7	282.2	223.9
08/11/2023 05:00 PM	0.0	200.7	282.2	223.9
08/11/2023 06:00 PM	0.0	200.7	282.2	223.9
08/11/2023 07:00 PM	0.0	200.7	282.2	223.9
08/11/2023 08:00 PM	0.0	200.7	282.2	223.9
08/11/2023 09:00 PM	0.0	200.7	282.2	223.9
08/11/2023 10:00 PM	0.0	200.7	282.2	223.9
08/11/2023 11:00 PM	0.0	200.7	282.2	223.9
08/12/2023 12:00 AM	0.0	200.6	282.2	223.9
08/12/2023 01:00 AM	0.0	200.6	282.1	223.9
08/12/2023 02:00 AM	0.0	200.6	282.2	223.9
08/12/2023 03:00 AM	0.0	200.6	282.1	223.9
08/12/2023 04:00 AM	0.0	200.6	282.1	223.9
08/12/2023 05:00 AM	0.0	200.6	282.1	223.9
08/12/2023 06:00 AM	0.0	200.6	282.1	223.9
08/12/2023 07:00 AM	0.0	200.6	282.1	223.9
08/12/2023 08:00 AM	0.0	200.6	282.1	223.9
08/12/2023 09:00 AM	0.0	200.6	282.1	223.9
08/12/2023 10:00 AM	0.0	200.6	282.1	223.9
08/12/2023 11:00 AM	0.0	200.6	282.2	223.9
08/12/2023 12:00 PM	0.0	200.6	282.1	223.9
08/12/2023 01:00 PM	0.0	200.6	282.1	223.9
08/12/2023 02:00 PM	0.0	200.5	282.1	223.9
08/12/2023 03:00 PM	0.0	200.5	282.2	223.9
08/12/2023 04:00 PM	0.0	200.5	282.1	223.9
08/12/2023 05:00 PM	0.0	200.5	282.1	223.9
08/12/2023 06:00 PM	0.0	200.4	282.1	223.9
08/12/2023 07:00 PM	0.0	200.4	282.1	223.9
08/12/2023 08:00 PM	0.0	200.4	282.1	223.9
08/12/2023 09:00 PM	0.0	200.4	282.1	223.9
08/12/2023 10:00 PM	0.0	200.4	282.1	223.9
08/12/2023 11:00 PM	0.0	200.4	282.1	223.9
08/13/2023 12:00 AM	0.0	200.4	282.1	223.9
08/13/2023 01:00 AM	0.0	200.4	282.1	223.9
08/13/2023 02:00 AM	0.0	200.4	282.1	223.9
08/13/2023 03:00 AM	0.0	200.4	282.1	223.9
08/13/2023 04:00 AM	0.0	200.4	282.0	223.9
08/13/2023 05:00 AM	0.0	200.4	282.0	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/13/2023 06:00 AM	0.0	200.4	282.0	223.9
08/13/2023 07:00 AM	0.0	200.4	282.0	223.9
08/13/2023 08:00 AM	0.0	200.4	282.0	223.9
08/13/2023 09:00 AM	0.0	200.4	282.1	223.9
08/13/2023 10:00 AM	0.0	200.4	282.1	223.9
08/13/2023 11:00 AM	0.0	200.4	282.1	223.9
08/13/2023 12:00 PM	0.0	200.4	282.1	223.9
08/13/2023 01:00 PM	0.0	200.4	282.1	223.9
08/13/2023 02:00 PM	0.0	200.4	282.1	223.9
08/13/2023 03:00 PM	0.0	200.4	282.1	223.9
08/13/2023 04:00 PM	0.0	200.3	282.1	223.9
08/13/2023 05:00 PM	0.0	200.3	282.1	223.9
08/13/2023 06:00 PM	0.0	200.3	282.1	223.9
08/13/2023 07:00 PM	0.0	200.3	282.0	223.9
08/13/2023 08:00 PM	0.0	200.3	282.0	223.9
08/13/2023 09:00 PM	0.0	200.3	282.0	223.9
08/13/2023 10:00 PM	0.0	200.3	282.1	223.9
08/13/2023 11:00 PM	0.0	200.4	282.1	223.9
08/14/2023 12:00 AM	0.0	200.4	282.1	223.9
08/14/2023 01:00 AM	0.0	200.4	282.1	223.9
08/14/2023 02:00 AM	0.0	200.5	282.1	223.9
08/14/2023 03:00 AM	0.0	200.6	282.2	223.9
08/14/2023 04:00 AM	0.0	200.7	282.2	223.9
08/14/2023 05:00 AM	0.0	200.7	282.3	223.9
08/14/2023 06:00 AM	0.0	200.8	282.3	223.9
08/14/2023 07:00 AM	0.0	200.8	282.4	223.9
08/14/2023 08:00 AM	0.0	200.9	282.4	223.9
08/14/2023 09:00 AM	0.0	200.9	282.4	223.9
08/14/2023 10:00 AM	0.0	200.8	282.4	223.9
08/14/2023 11:00 AM	0.0	200.8	282.4	223.9
08/14/2023 12:00 PM	0.0	200.8	282.4	223.9
08/14/2023 01:00 PM	0.0	200.7	282.4	223.9
08/14/2023 02:00 PM	0.0	200.7	282.4	223.9
08/14/2023 03:00 PM	0.0	200.6	282.3	223.9
08/14/2023 04:00 PM	0.0	200.6	282.3	223.9
08/14/2023 05:00 PM	0.0	200.6	282.3	223.9
08/14/2023 06:00 PM	0.0	200.5	282.3	223.9
08/14/2023 07:00 PM	0.0	200.5	282.2	223.9
08/14/2023 08:00 PM	0.0	200.5	282.2	223.9
08/14/2023 09:00 PM	0.0	200.5	282.2	223.9
08/14/2023 10:00 PM	0.0	200.5	282.2	223.9
08/14/2023 11:00 PM	0.0	200.5	282.3	223.9
08/15/2023 12:00 AM	0.0	200.5	282.2	223.9
08/15/2023 01:00 AM	0.0	200.6	282.2	223.9
08/15/2023 02:00 AM	0.0	200.6	282.3	223.9
08/15/2023 03:00 AM	0.0	200.6	282.3	223.9
08/15/2023 04:00 AM	0.0	200.7	282.3	223.9
08/15/2023 05:00 AM	0.0	200.7	282.3	223.9
08/15/2023 06:00 AM	0.0	200.7	282.3	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/15/2023 07:00 AM	0.0	200.6	282.3	223.9
08/15/2023 08:00 AM	197.5	200.6	282.3	223.9
08/15/2023 09:00 AM	208.4	200.6	282.4	223.9
08/15/2023 10:00 AM	208.6	200.6	282.5	223.9
08/15/2023 11:00 AM	208.7	200.6	282.6	223.9
08/15/2023 12:00 PM	208.7	200.6	282.6	223.9
08/15/2023 01:00 PM	208.7	200.6	282.6	223.9
08/15/2023 02:00 PM	10.4	201.4	282.7	223.9
08/15/2023 03:00 PM	0.0	200.9	282.5	223.9
08/15/2023 04:00 PM	0.0	200.8	282.5	223.9
08/15/2023 05:00 PM	0.0	200.7	282.4	223.9
08/15/2023 06:00 PM	0.0	200.6	282.3	223.9
08/15/2023 07:00 PM	0.0	200.5	282.3	223.9
08/15/2023 08:00 PM	0.0	200.5	282.2	223.9
08/15/2023 09:00 PM	0.0	200.5	282.2	223.9
08/15/2023 10:00 PM	0.0	200.5	282.2	223.9
08/15/2023 11:00 PM	0.0	200.5	282.2	223.9
08/16/2023 12:00 AM	0.0	200.5	282.2	223.9
08/16/2023 01:00 AM	0.0	200.5	282.2	223.9
08/16/2023 02:00 AM	0.0	200.6	282.2	223.9
08/16/2023 03:00 AM	0.0	200.6	282.2	223.9
08/16/2023 04:00 AM	0.0	200.6	282.3	223.9
08/16/2023 05:00 AM	0.0	200.7	282.3	223.9
08/16/2023 06:00 AM	0.0	200.7	282.3	223.9
08/16/2023 07:00 AM	0.0	200.7	282.3	223.9
08/16/2023 08:00 AM	0.0	200.8	282.3	223.9
08/16/2023 09:00 AM	0.0	200.8	282.3	223.9
08/16/2023 10:00 AM	0.0	200.8	282.4	223.9
08/16/2023 11:00 AM	0.0	200.8	282.4	223.9
08/16/2023 12:00 PM	0.0	200.8	282.5	223.9
08/16/2023 01:00 PM	0.0	200.7	282.5	223.9
08/16/2023 02:00 PM	0.0	200.7	282.5	223.9
08/16/2023 03:00 PM	0.0	200.6	282.5	223.9
08/16/2023 04:00 PM	0.0	200.6	282.5	223.9
08/16/2023 05:00 PM	0.0	200.6	282.5	223.9
08/16/2023 06:00 PM	0.0	200.6	282.5	223.9
08/16/2023 07:00 PM	0.0	200.6	282.6	223.9
08/16/2023 08:00 PM	0.0	200.6	282.5	223.9
08/16/2023 09:00 PM	0.0	200.6	282.5	223.9
08/16/2023 10:00 PM	0.0	200.6	282.6	223.9
08/16/2023 11:00 PM	0.0	200.6	282.6	223.9
08/17/2023 12:00 AM	0.0	200.6	282.5	223.9
08/17/2023 01:00 AM	0.0	200.6	282.5	223.9
08/17/2023 02:00 AM	0.0	200.7	282.5	223.9
08/17/2023 03:00 AM	0.0	200.7	282.5	223.9
08/17/2023 04:00 AM	0.0	200.7	282.5	223.9
08/17/2023 05:00 AM	0.0	200.7	282.4	223.9
08/17/2023 06:00 AM	0.0	200.7	282.5	223.9
08/17/2023 07:00 AM	0.0	200.7	282.4	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/17/2023 08:00 AM	197.5	200.7	282.5	223.9
08/17/2023 09:00 AM	208.5	200.7	282.6	223.9
08/17/2023 10:00 AM	208.6	200.7	282.7	223.9
08/17/2023 11:00 AM	208.7	200.7	282.8	223.9
08/17/2023 12:00 PM	208.8	200.7	282.8	223.9
08/17/2023 01:00 PM	208.8	200.7	282.9	223.9
08/17/2023 02:00 PM	10.4	201.5	282.9	223.9
08/17/2023 03:00 PM	0.0	201.0	282.8	223.9
08/17/2023 04:00 PM	0.0	200.9	282.7	223.9
08/17/2023 05:00 PM	0.0	200.7	282.6	223.9
08/17/2023 06:00 PM	0.0	200.7	282.5	223.9
08/17/2023 07:00 PM	0.0	200.6	282.5	223.9
08/17/2023 08:00 PM	0.0	200.6	282.4	223.9
08/17/2023 09:00 PM	0.0	200.5	282.4	223.9
08/17/2023 10:00 PM	0.0	200.5	282.4	223.9
08/17/2023 11:00 PM	0.0	200.5	282.4	223.9
08/18/2023 12:00 AM	0.0	200.5	282.4	223.9
08/18/2023 01:00 AM	0.0	200.6	282.4	223.9
08/18/2023 02:00 AM	0.0	200.6	282.4	223.9
08/18/2023 03:00 AM	0.0	200.7	282.4	223.9
08/18/2023 04:00 AM	0.0	200.7	282.5	223.9
08/18/2023 05:00 AM	0.0	200.8	282.5	223.9
08/18/2023 06:00 AM	0.0	200.8	282.5	223.9
08/18/2023 07:00 AM	0.0	200.9	282.5	223.9
08/18/2023 08:00 AM	0.0	200.9	282.5	223.9
08/18/2023 09:00 AM	0.0	200.9	282.5	223.9
08/18/2023 10:00 AM	0.0	200.9	282.6	223.9
08/18/2023 11:00 AM	0.0	200.9	282.6	223.9
08/18/2023 12:00 PM	0.0	200.8	282.6	223.9
08/18/2023 01:00 PM	0.0	200.8	282.6	223.9
08/18/2023 02:00 PM	0.0	200.8	282.6	223.9
08/18/2023 03:00 PM	0.0	200.7	282.5	223.9
08/18/2023 04:00 PM	0.0	200.7	282.5	223.9
08/18/2023 05:00 PM	0.0	200.6	282.5	223.9
08/18/2023 06:00 PM	0.0	200.6	282.5	223.9
08/18/2023 07:00 PM	0.0	200.6	282.4	223.9
08/18/2023 08:00 PM	0.0	200.5	282.4	223.9
08/18/2023 09:00 PM	0.0	200.5	282.4	223.9
08/18/2023 10:00 PM	0.0	200.5	282.4	223.9
08/18/2023 11:00 PM	0.0	200.6	282.4	223.9
08/19/2023 12:00 AM	0.0	200.6	282.4	223.9
08/19/2023 01:00 AM	0.0	200.6	282.4	223.9
08/19/2023 02:00 AM	0.0	200.6	282.4	223.9
08/19/2023 03:00 AM	0.0	200.6	282.4	223.9
08/19/2023 04:00 AM	0.0	200.5	282.4	223.9
08/19/2023 05:00 AM	0.0	200.5	282.4	223.9
08/19/2023 06:00 AM	0.0	200.5	282.4	223.9
08/19/2023 07:00 AM	0.0	200.5	282.4	223.9
08/19/2023 08:00 AM	0.0	200.5	282.4	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/19/2023 09:00 AM	0.0	200.6	282.4	223.9
08/19/2023 10:00 AM	0.0	200.6	282.4	223.9
08/19/2023 11:00 AM	0.0	200.6	282.4	223.9
08/19/2023 12:00 PM	0.0	200.6	282.5	223.9
08/19/2023 01:00 PM	0.0	200.6	282.5	223.9
08/19/2023 02:00 PM	0.0	200.6	282.5	223.9
08/19/2023 03:00 PM	0.0	200.6	282.5	223.9
08/19/2023 04:00 PM	0.0	200.6	282.5	223.9
08/19/2023 05:00 PM	0.0	200.5	282.5	223.9
08/19/2023 06:00 PM	0.0	200.5	282.5	223.9
08/19/2023 07:00 PM	0.0	200.5	282.5	223.9
08/19/2023 08:00 PM	0.0	200.5	282.4	223.9
08/19/2023 09:00 PM	0.0	200.6	282.5	223.9
08/19/2023 10:00 PM	0.0	200.6	282.4	223.9
08/19/2023 11:00 PM	0.0	200.6	282.5	223.9
08/20/2023 12:00 AM	0.0	200.6	282.5	223.9
08/20/2023 01:00 AM	0.0	200.6	282.5	223.9
08/20/2023 02:00 AM	0.0	200.6	282.5	223.9
08/20/2023 03:00 AM	0.0	200.6	282.5	223.9
08/20/2023 04:00 AM	0.0	200.6	282.5	223.9
08/20/2023 05:00 AM	0.0	200.6	282.5	223.9
08/20/2023 06:00 AM	0.0	200.6	282.5	223.9
08/20/2023 07:00 AM	0.0	200.6	282.5	223.9
08/20/2023 08:00 AM	0.0	200.6	282.5	223.9
08/20/2023 09:00 AM	0.0	200.6	282.5	223.9
08/20/2023 10:00 AM	0.0	200.7	282.5	223.9
08/20/2023 11:00 AM	0.0	200.7	282.6	223.9
08/20/2023 12:00 PM	0.0	200.7	282.6	223.9
08/20/2023 01:00 PM	0.0	200.7	282.6	223.9
08/20/2023 02:00 PM	0.0	200.7	282.6	223.9
08/20/2023 03:00 PM	0.0	200.7	282.6	223.9
08/20/2023 04:00 PM	0.0	200.7	282.6	223.9
08/20/2023 05:00 PM	0.0	200.7	282.6	223.9
08/20/2023 06:00 PM	0.0	200.7	282.6	223.9
08/20/2023 07:00 PM	0.0	200.7	282.6	223.9
08/20/2023 08:00 PM	0.0	200.7	282.6	223.9
08/20/2023 09:00 PM	0.0	200.7	282.6	223.9
08/20/2023 10:00 PM	0.0	200.7	282.6	223.9
08/20/2023 11:00 PM	0.0	200.7	282.6	223.9
08/21/2023 12:00 AM	0.0	200.8	282.7	223.9
08/21/2023 01:00 AM	0.0	200.9	282.7	223.9
08/21/2023 02:00 AM	0.0	200.9	282.7	223.9
08/21/2023 03:00 AM	0.0	201.0	282.8	223.9
08/21/2023 04:00 AM	0.0	201.1	282.8	223.9
08/21/2023 05:00 AM	0.0	201.2	282.9	223.9
08/21/2023 06:00 AM	0.0	201.2	282.9	223.9
08/21/2023 07:00 AM	0.0	201.2	282.9	223.9
08/21/2023 08:00 AM	0.0	201.3	282.9	223.9
08/21/2023 09:00 AM	0.0	201.3	282.9	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/21/2023 10:00 AM	0.0	201.2	283.0	223.9
08/21/2023 11:00 AM	0.0	201.2	283.0	223.9
08/21/2023 12:00 PM	0.0	201.2	283.0	223.9
08/21/2023 01:00 PM	0.0	201.2	283.0	223.9
08/21/2023 02:00 PM	0.0	201.1	283.0	223.9
08/21/2023 03:00 PM	0.0	201.1	282.9	223.9
08/21/2023 04:00 PM	0.0	201.1	282.9	223.9
08/21/2023 05:00 PM	0.0	201.0	282.9	223.9
08/21/2023 06:00 PM	0.0	201.0	282.9	223.9
08/21/2023 07:00 PM	0.0	201.0	282.9	223.9
08/21/2023 08:00 PM	0.0	201.0	282.8	223.9
08/21/2023 09:00 PM	0.0	201.0	282.8	223.9
08/21/2023 10:00 PM	0.0	201.0	282.8	223.9
08/21/2023 11:00 PM	0.0	201.0	282.8	223.9
08/22/2023 12:00 AM	0.0	201.0	282.8	223.9
08/22/2023 01:00 AM	0.0	201.0	282.8	223.9
08/22/2023 02:00 AM	0.0	201.1	282.9	223.9
08/22/2023 03:00 AM	0.0	201.1	282.9	223.9
08/22/2023 04:00 AM	0.0	201.2	283.0	223.9
08/22/2023 05:00 AM	0.0	201.2	282.9	223.9
08/22/2023 06:00 AM	0.0	201.2	282.9	223.9
08/22/2023 07:00 AM	0.0	201.2	282.9	223.9
08/22/2023 08:00 AM	198.0	201.2	282.9	223.9
08/22/2023 09:00 AM	208.9	201.2	283.1	223.9
08/22/2023 10:00 AM	209.1	201.2	283.1	223.9
08/22/2023 11:00 AM	209.1	201.2	283.2	223.9
08/22/2023 12:00 PM	209.2	201.2	283.3	223.9
08/22/2023 01:00 PM	209.2	201.2	283.3	223.9
08/22/2023 02:00 PM	10.5	201.9	283.3	223.9
08/22/2023 03:00 PM	0.0	201.5	283.2	223.9
08/22/2023 04:00 PM	0.0	201.3	283.2	223.9
08/22/2023 05:00 PM	0.0	201.2	283.1	223.9
08/22/2023 06:00 PM	0.0	201.2	283.0	223.9
08/22/2023 07:00 PM	0.0	201.1	283.0	223.9
08/22/2023 08:00 PM	0.0	201.1	282.9	223.9
08/22/2023 09:00 PM	0.0	201.1	282.9	223.9
08/22/2023 10:00 PM	0.0	201.1	282.9	223.9
08/22/2023 11:00 PM	0.0	201.1	282.9	223.9
08/23/2023 12:00 AM	0.0	201.1	282.9	223.9
08/23/2023 01:00 AM	0.0	201.1	282.9	223.9
08/23/2023 02:00 AM	0.0	201.2	282.9	223.9
08/23/2023 03:00 AM	0.0	201.2	283.0	223.9
08/23/2023 04:00 AM	0.0	201.3	283.0	223.9
08/23/2023 05:00 AM	0.0	201.4	283.0	223.9
08/23/2023 06:00 AM	0.0	201.4	283.0	223.9
08/23/2023 07:00 AM	0.0	201.4	283.0	223.9
08/23/2023 08:00 AM	0.0	201.4	283.0	223.9
08/23/2023 09:00 AM	0.0	201.4	283.0	223.9
08/23/2023 10:00 AM	0.0	201.4	283.0	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/23/2023 11:00 AM	0.0	201.3	283.0	223.9
08/23/2023 12:00 PM	0.0	201.3	283.0	223.9
08/23/2023 01:00 PM	0.0	201.2	282.9	223.9
08/23/2023 02:00 PM	0.0	201.2	282.9	223.9
08/23/2023 03:00 PM	0.0	201.2	282.9	223.9
08/23/2023 04:00 PM	0.0	201.1	282.9	223.9
08/23/2023 05:00 PM	0.0	201.1	282.8	223.9
08/23/2023 06:00 PM	0.0	201.1	282.8	223.9
08/23/2023 07:00 PM	0.0	201.1	282.8	223.9
08/23/2023 08:00 PM	0.0	201.0	282.8	223.9
08/23/2023 09:00 PM	0.0	201.0	282.8	223.9
08/23/2023 10:00 PM	0.0	201.0	282.8	223.9
08/23/2023 11:00 PM	0.0	201.0	282.8	223.9
08/24/2023 12:00 AM	0.0	201.0	282.8	223.9
08/24/2023 01:00 AM	0.0	201.1	282.8	223.9
08/24/2023 02:00 AM	0.0	201.1	282.8	223.9
08/24/2023 03:00 AM	0.0	201.2	282.8	223.9
08/24/2023 04:00 AM	0.0	201.3	282.9	223.9
08/24/2023 05:00 AM	0.0	201.3	282.9	223.9
08/24/2023 06:00 AM	0.0	201.3	282.9	223.9
08/24/2023 07:00 AM	0.0	201.3	282.9	223.9
08/24/2023 08:00 AM	198.0	201.3	282.9	223.9
08/24/2023 09:00 AM	209.0	201.3	283.0	223.9
08/24/2023 10:00 AM	209.1	201.3	283.1	223.9
08/24/2023 11:00 AM	209.2	201.3	283.2	223.9
08/24/2023 12:00 PM	209.3	201.3	283.2	223.9
08/24/2023 01:00 PM	209.3	201.3	283.3	223.9
08/24/2023 02:00 PM	10.5	202.0	283.3	223.9
08/24/2023 03:00 PM	0.0	201.6	283.2	223.9
08/24/2023 04:00 PM	0.0	201.4	283.1	223.9
08/24/2023 05:00 PM	0.0	201.4	283.1	223.9
08/24/2023 06:00 PM	0.0	201.3	283.1	223.9
08/24/2023 07:00 PM	0.0	201.3	283.0	223.9
08/24/2023 08:00 PM	0.0	201.2	283.0	223.9
08/24/2023 09:00 PM	0.0	201.2	283.0	223.9
08/24/2023 10:00 PM	0.0	201.2	283.0	223.9
08/24/2023 11:00 PM	0.0	201.2	282.9	223.9
08/25/2023 12:00 AM	0.0	201.2	283.0	223.9
08/25/2023 01:00 AM	0.0	201.3	283.0	223.9
08/25/2023 02:00 AM	0.0	201.4	283.0	223.9
08/25/2023 03:00 AM	0.0	201.4	283.1	223.9
08/25/2023 04:00 AM	0.0	201.5	283.1	223.9
08/25/2023 05:00 AM	0.0	201.6	283.1	223.9
08/25/2023 06:00 AM	0.0	201.6	283.2	223.9
08/25/2023 07:00 AM	0.0	201.7	283.2	223.9
08/25/2023 08:00 AM	0.0	201.7	283.2	223.9
08/25/2023 09:00 AM	0.0	201.7	283.2	223.9
08/25/2023 10:00 AM	0.0	201.6	283.3	223.9
08/25/2023 11:00 AM	0.0	201.6	283.2	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/25/2023 12:00 PM	0.0	201.5	283.2	223.9
08/25/2023 01:00 PM	0.0	201.5	283.2	223.9
08/25/2023 02:00 PM	0.0	201.5	283.2	223.9
08/25/2023 03:00 PM	0.0	201.4	283.2	223.9
08/25/2023 04:00 PM	0.0	201.4	283.2	223.9
08/25/2023 05:00 PM	0.0	201.4	283.1	223.9
08/25/2023 06:00 PM	0.0	201.4	283.1	223.9
08/25/2023 07:00 PM	0.0	201.4	283.1	223.9
08/25/2023 08:00 PM	0.0	201.4	283.1	223.9
08/25/2023 09:00 PM	0.0	201.4	283.1	223.9
08/25/2023 10:00 PM	0.0	201.3	283.2	223.9
08/25/2023 11:00 PM	0.0	201.3	283.1	223.9
08/26/2023 12:00 AM	0.0	201.3	283.1	223.9
08/26/2023 01:00 AM	0.0	201.3	283.1	223.9
08/26/2023 02:00 AM	0.0	201.3	283.1	223.9
08/26/2023 03:00 AM	0.0	201.3	283.1	223.9
08/26/2023 04:00 AM	0.0	201.3	283.0	223.9
08/26/2023 05:00 AM	0.0	201.3	283.1	223.9
08/26/2023 06:00 AM	0.0	201.3	283.1	223.9
08/26/2023 07:00 AM	0.0	201.3	283.1	223.9
08/26/2023 08:00 AM	0.0	201.4	283.1	223.9
08/26/2023 09:00 AM	0.0	201.4	283.1	223.9
08/26/2023 10:00 AM	0.0	201.4	283.1	223.9
08/26/2023 11:00 AM	0.0	201.3	283.1	223.9
08/26/2023 12:00 PM	0.0	201.3	283.1	223.9
08/26/2023 01:00 PM	0.0	201.3	283.1	223.9
08/26/2023 02:00 PM	0.0	201.3	283.1	223.9
08/26/2023 03:00 PM	0.0	201.3	283.1	223.9
08/26/2023 04:00 PM	0.0	201.2	283.1	223.9
08/26/2023 05:00 PM	0.0	201.2	283.1	223.9
08/26/2023 06:00 PM	0.0	201.2	283.1	223.9
08/26/2023 07:00 PM	0.0	201.2	283.1	223.9
08/26/2023 08:00 PM	0.0	201.3	283.1	223.9
08/26/2023 09:00 PM	0.0	201.3	283.1	223.9
08/26/2023 10:00 PM	0.0	201.3	283.1	223.9
08/26/2023 11:00 PM	0.0	201.3	283.1	223.9
08/27/2023 12:00 AM	0.0	201.3	283.1	223.9
08/27/2023 01:00 AM	0.0	201.3	283.1	223.9
08/27/2023 02:00 AM	0.0	201.3	283.1	223.9
08/27/2023 03:00 AM	0.0	201.3	283.1	223.9
08/27/2023 04:00 AM	0.0	201.3	283.1	223.9
08/27/2023 05:00 AM	0.0	201.3	283.1	223.9
08/27/2023 06:00 AM	0.0	201.3	283.1	223.9
08/27/2023 07:00 AM	0.0	201.3	283.1	223.9
08/27/2023 08:00 AM	0.0	201.3	283.1	223.9
08/27/2023 09:00 AM	0.0	201.3	283.1	223.9
08/27/2023 10:00 AM	0.0	201.3	283.2	223.9
08/27/2023 11:00 AM	0.0	201.3	283.1	223.9
08/27/2023 12:00 PM	0.0	201.3	283.2	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/27/2023 01:00 PM	0.0	201.2	283.1	223.9
08/27/2023 02:00 PM	0.0	201.2	283.1	223.9
08/27/2023 03:00 PM	0.0	201.2	283.1	223.9
08/27/2023 04:00 PM	0.0	201.2	283.1	223.9
08/27/2023 05:00 PM	0.0	201.2	283.1	223.9
08/27/2023 06:00 PM	0.0	201.1	283.1	223.9
08/27/2023 07:00 PM	0.0	201.1	283.1	223.9
08/27/2023 08:00 PM	0.0	201.2	283.1	223.9
08/27/2023 09:00 PM	0.0	201.2	283.1	223.9
08/27/2023 10:00 PM	0.0	201.2	283.1	223.9
08/27/2023 11:00 PM	0.0	201.2	283.1	223.9
08/28/2023 12:00 AM	0.0	201.2	283.1	223.9
08/28/2023 01:00 AM	0.0	201.3	283.1	223.9
08/28/2023 02:00 AM	0.0	201.3	283.2	223.9
08/28/2023 03:00 AM	0.0	201.4	283.2	223.9
08/28/2023 04:00 AM	0.0	201.5	283.2	223.9
08/28/2023 05:00 AM	0.0	201.5	283.3	223.9
08/28/2023 06:00 AM	0.0	201.6	283.3	223.9
08/28/2023 07:00 AM	0.0	201.6	283.4	223.9
08/28/2023 08:00 AM	0.0	201.7	283.4	223.9
08/28/2023 09:00 AM	0.0	201.7	283.4	223.9
08/28/2023 10:00 AM	0.0	201.7	283.4	223.9
08/28/2023 11:00 AM	0.0	201.7	283.4	223.9
08/28/2023 12:00 PM	0.0	201.6	283.4	223.9
08/28/2023 01:00 PM	0.0	201.6	283.4	223.9
08/28/2023 02:00 PM	0.0	201.5	283.4	223.9
08/28/2023 03:00 PM	0.0	201.5	283.3	223.9
08/28/2023 04:00 PM	0.0	201.4	283.3	223.9
08/28/2023 05:00 PM	0.0	201.4	283.3	223.9
08/28/2023 06:00 PM	0.0	201.4	283.3	223.9
08/28/2023 07:00 PM	0.0	201.4	283.2	223.9
08/28/2023 08:00 PM	0.0	201.4	283.2	223.9
08/28/2023 09:00 PM	0.0	201.4	283.2	223.9
08/28/2023 10:00 PM	0.0	201.4	283.3	223.9
08/28/2023 11:00 PM	0.0	201.4	283.3	223.9
08/29/2023 12:00 AM	0.0	201.4	283.3	223.9
08/29/2023 01:00 AM	0.0	201.5	283.3	223.9
08/29/2023 02:00 AM	0.0	201.5	283.3	223.9
08/29/2023 03:00 AM	0.0	201.6	283.3	223.9
08/29/2023 04:00 AM	0.0	201.6	283.3	223.9
08/29/2023 05:00 AM	0.0	201.6	283.4	223.9
08/29/2023 06:00 AM	0.0	201.6	283.4	223.9
08/29/2023 07:00 AM	0.0	201.6	283.4	223.9
08/29/2023 08:00 AM	198.4	201.6	283.4	223.9
08/29/2023 09:00 AM	209.4	201.6	283.6	223.9
08/29/2023 10:00 AM	209.6	201.6	283.7	223.9
08/29/2023 11:00 AM	209.7	201.6	283.8	223.9
08/29/2023 12:00 PM	209.8	201.6	283.8	223.9
08/29/2023 01:00 PM	209.8	201.6	283.8	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/29/2023 02:00 PM	10.5	202.5	283.8	223.9
08/29/2023 03:00 PM	0.0	202.0	283.7	223.9
08/29/2023 04:00 PM	0.0	201.9	283.7	223.9
08/29/2023 05:00 PM	0.0	201.8	283.6	223.9
08/29/2023 06:00 PM	0.0	201.7	283.5	223.9
08/29/2023 07:00 PM	0.0	201.6	283.5	223.9
08/29/2023 08:00 PM	0.0	201.6	283.4	223.9
08/29/2023 09:00 PM	0.0	201.6	283.4	223.9
08/29/2023 10:00 PM	0.0	201.6	283.4	223.9
08/29/2023 11:00 PM	0.0	201.6	283.4	223.9
08/30/2023 12:00 AM	0.0	201.6	283.4	223.9
08/30/2023 01:00 AM	0.0	201.6	283.4	223.9
08/30/2023 02:00 AM	0.0	201.7	283.4	223.9
08/30/2023 03:00 AM	0.0	201.7	283.5	223.9
08/30/2023 04:00 AM	0.0	201.8	283.5	223.9
08/30/2023 05:00 AM	0.0	201.8	283.5	223.9
08/30/2023 06:00 AM	0.0	201.9	283.5	223.9
08/30/2023 07:00 AM	0.0	201.9	283.6	223.9
08/30/2023 08:00 AM	0.0	201.9	283.6	223.9
08/30/2023 09:00 AM	0.0	202.0	283.6	223.9
08/30/2023 10:00 AM	0.0	201.9	283.6	223.9
08/30/2023 11:00 AM	0.0	201.9	283.7	223.9
08/30/2023 12:00 PM	0.0	201.9	283.7	223.9
08/30/2023 01:00 PM	0.0	201.8	283.6	223.9
08/30/2023 02:00 PM	0.0	201.8	283.6	223.9
08/30/2023 03:00 PM	0.0	201.7	283.5	223.9
08/30/2023 04:00 PM	0.0	201.7	283.5	223.9
08/30/2023 05:00 PM	0.0	201.6	283.5	223.9
08/30/2023 06:00 PM	0.0	201.6	283.5	223.9
08/30/2023 07:00 PM	0.0	201.5	283.4	223.9
08/30/2023 08:00 PM	0.0	201.5	283.4	223.9
08/30/2023 09:00 PM	0.0	201.5	283.4	223.9
08/30/2023 10:00 PM	0.0	201.5	283.4	223.9
08/30/2023 11:00 PM	0.0	201.5	283.4	223.9
08/31/2023 12:00 AM	0.0	201.5	283.4	223.9
08/31/2023 01:00 AM	0.0	201.6	283.5	223.9
08/31/2023 02:00 AM	0.0	201.6	283.5	223.9
08/31/2023 03:00 AM	0.0	201.7	283.5	223.9
08/31/2023 04:00 AM	0.0	201.7	283.5	223.9
08/31/2023 05:00 AM	0.0	201.7	283.5	223.9
08/31/2023 06:00 AM	0.0	201.7	283.5	223.9
08/31/2023 07:00 AM	0.0	201.7	283.5	223.9
08/31/2023 08:00 AM	198.4	201.7	283.5	223.9
08/31/2023 09:00 AM	209.4	201.7	283.6	223.9
08/31/2023 10:00 AM	209.6	201.7	283.8	223.9
08/31/2023 11:00 AM	209.7	201.7	283.9	223.9
08/31/2023 12:00 PM	209.8	201.7	283.9	223.9
08/31/2023 01:00 PM	209.8	201.7	284.0	223.9
08/31/2023 02:00 PM	10.5	202.5	284.0	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
August 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
08/31/2023 03:00 PM	0.0	202.1	283.9	223.9
08/31/2023 04:00 PM	0.0	201.9	283.8	223.9
08/31/2023 05:00 PM	0.0	201.8	283.7	223.9
08/31/2023 06:00 PM	0.0	201.8	283.6	223.9
08/31/2023 07:00 PM	0.0	201.7	283.6	223.9
08/31/2023 08:00 PM	0.0	201.7	283.6	223.9
08/31/2023 09:00 PM	0.0	201.7	283.5	223.9
08/31/2023 10:00 PM	0.0	201.7	283.6	223.9
08/31/2023 11:00 PM	0.0	201.7	283.5	223.9

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/01/2023 12:00 AM	0.0	0.0	0.0
08/01/2023 01:00 AM	0.0	0.0	0.0
08/01/2023 02:00 AM	0.0	0.0	0.0
08/01/2023 03:00 AM	0.0	0.0	0.0
08/01/2023 04:00 AM	0.0	0.0	0.0
08/01/2023 05:00 AM	0.0	0.0	0.0
08/01/2023 06:00 AM	0.0	0.0	0.0
08/01/2023 07:00 AM	0.0	0.0	0.0
08/01/2023 08:00 AM	1,727.8	0.0	1,606.4
08/01/2023 09:00 AM	1,682.4	1,641.5	1,658.4
08/01/2023 10:00 AM	1,647.2	1,634.6	1,640.0
08/01/2023 11:00 AM	1,641.1	1,630.5	1,634.8
08/01/2023 12:00 PM	1,636.4	1,620.2	1,626.9
08/01/2023 01:00 PM	1,627.0	1,595.5	1,612.2
08/01/2023 02:00 PM	1,600.8	0.0	80.0
08/01/2023 03:00 PM	0.0	0.0	0.0
08/01/2023 04:00 PM	0.0	0.0	0.0
08/01/2023 05:00 PM	0.0	0.0	0.0
08/01/2023 06:00 PM	0.0	0.0	0.0
08/01/2023 07:00 PM	0.0	0.0	0.0
08/01/2023 08:00 PM	0.0	0.0	0.0
08/01/2023 09:00 PM	0.0	0.0	0.0
08/01/2023 10:00 PM	0.0	0.0	0.0
08/01/2023 11:00 PM	0.0	0.0	0.0
08/02/2023 12:00 AM	0.0	0.0	0.0
08/02/2023 01:00 AM	0.0	0.0	0.0
08/02/2023 02:00 AM	0.0	0.0	0.0
08/02/2023 03:00 AM	0.0	0.0	0.0
08/02/2023 04:00 AM	0.0	0.0	0.0
08/02/2023 05:00 AM	0.0	0.0	0.0
08/02/2023 06:00 AM	0.0	0.0	0.0
08/02/2023 07:00 AM	0.0	0.0	0.0
08/02/2023 08:00 AM	0.0	0.0	0.0
08/02/2023 09:00 AM	0.0	0.0	0.0
08/02/2023 10:00 AM	0.0	0.0	0.0
08/02/2023 11:00 AM	0.0	0.0	0.0
08/02/2023 12:00 PM	0.0	0.0	0.0
08/02/2023 01:00 PM	0.0	0.0	0.0
08/02/2023 02:00 PM	0.0	0.0	0.0
08/02/2023 03:00 PM	0.0	0.0	0.0
08/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/02/2023 05:00 PM	0.0	0.0	0.0
08/02/2023 06:00 PM	0.0	0.0	0.0
08/02/2023 07:00 PM	0.0	0.0	0.0
08/02/2023 08:00 PM	0.0	0.0	0.0
08/02/2023 09:00 PM	0.0	0.0	0.0
08/02/2023 10:00 PM	0.0	0.0	0.0
08/02/2023 11:00 PM	0.0	0.0	0.0
08/03/2023 12:00 AM	0.0	0.0	0.0
08/03/2023 01:00 AM	0.0	0.0	0.0
08/03/2023 02:00 AM	0.0	0.0	0.0
08/03/2023 03:00 AM	0.0	0.0	0.0
08/03/2023 04:00 AM	0.0	0.0	0.0
08/03/2023 05:00 AM	0.0	0.0	0.0
08/03/2023 06:00 AM	0.0	0.0	0.0
08/03/2023 07:00 AM	0.0	0.0	0.0
08/03/2023 08:00 AM	1,996.6	0.0	1,649.3
08/03/2023 09:00 AM	1,696.0	1,657.1	1,676.9
08/03/2023 10:00 AM	1,661.6	1,629.2	1,644.4
08/03/2023 11:00 AM	1,630.2	1,596.4	1,612.9
08/03/2023 12:00 PM	1,598.2	1,563.3	1,579.5
08/03/2023 01:00 PM	1,563.9	1,537.2	1,550.5
08/03/2023 02:00 PM	1,539.3	0.0	102.6
08/03/2023 03:00 PM	0.0	0.0	0.0
08/03/2023 04:00 PM	0.0	0.0	0.0
08/03/2023 05:00 PM	0.0	0.0	0.0
08/03/2023 06:00 PM	0.0	0.0	0.0
08/03/2023 07:00 PM	0.0	0.0	0.0
08/03/2023 08:00 PM	0.0	0.0	0.0
08/03/2023 09:00 PM	0.0	0.0	0.0
08/03/2023 10:00 PM	0.0	0.0	0.0
08/03/2023 11:00 PM	0.0	0.0	0.0
08/04/2023 12:00 AM	0.0	0.0	0.0
08/04/2023 01:00 AM	0.0	0.0	0.0
08/04/2023 02:00 AM	0.0	0.0	0.0
08/04/2023 03:00 AM	0.0	0.0	0.0
08/04/2023 04:00 AM	0.0	0.0	0.0
08/04/2023 05:00 AM	0.0	0.0	0.0
08/04/2023 06:00 AM	0.0	0.0	0.0
08/04/2023 07:00 AM	0.0	0.0	0.0
08/04/2023 08:00 AM	0.0	0.0	0.0
08/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/04/2023 10:00 AM	0.0	0.0	0.0
08/04/2023 11:00 AM	0.0	0.0	0.0
08/04/2023 12:00 PM	0.0	0.0	0.0
08/04/2023 01:00 PM	0.0	0.0	0.0
08/04/2023 02:00 PM	0.0	0.0	0.0
08/04/2023 03:00 PM	0.0	0.0	0.0
08/04/2023 04:00 PM	0.0	0.0	0.0
08/04/2023 05:00 PM	0.0	0.0	0.0
08/04/2023 06:00 PM	0.0	0.0	0.0
08/04/2023 07:00 PM	0.0	0.0	0.0
08/04/2023 08:00 PM	0.0	0.0	0.0
08/04/2023 09:00 PM	0.0	0.0	0.0
08/04/2023 10:00 PM	0.0	0.0	0.0
08/04/2023 11:00 PM	0.0	0.0	0.0
08/05/2023 12:00 AM	0.0	0.0	0.0
08/05/2023 01:00 AM	0.0	0.0	0.0
08/05/2023 02:00 AM	0.0	0.0	0.0
08/05/2023 03:00 AM	0.0	0.0	0.0
08/05/2023 04:00 AM	0.0	0.0	0.0
08/05/2023 05:00 AM	0.0	0.0	0.0
08/05/2023 06:00 AM	0.0	0.0	0.0
08/05/2023 07:00 AM	0.0	0.0	0.0
08/05/2023 08:00 AM	0.0	0.0	0.0
08/05/2023 09:00 AM	0.0	0.0	0.0
08/05/2023 10:00 AM	0.0	0.0	0.0
08/05/2023 11:00 AM	0.0	0.0	0.0
08/05/2023 12:00 PM	0.0	0.0	0.0
08/05/2023 01:00 PM	0.0	0.0	0.0
08/05/2023 02:00 PM	0.0	0.0	0.0
08/05/2023 03:00 PM	0.0	0.0	0.0
08/05/2023 04:00 PM	0.0	0.0	0.0
08/05/2023 05:00 PM	0.0	0.0	0.0
08/05/2023 06:00 PM	0.0	0.0	0.0
08/05/2023 07:00 PM	0.0	0.0	0.0
08/05/2023 08:00 PM	0.0	0.0	0.0
08/05/2023 09:00 PM	0.0	0.0	0.0
08/05/2023 10:00 PM	0.0	0.0	0.0
08/05/2023 11:00 PM	0.0	0.0	0.0
08/06/2023 12:00 AM	0.0	0.0	0.0
08/06/2023 01:00 AM	0.0	0.0	0.0
08/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/06/2023 03:00 AM	0.0	0.0	0.0
08/06/2023 04:00 AM	0.0	0.0	0.0
08/06/2023 05:00 AM	0.0	0.0	0.0
08/06/2023 06:00 AM	0.0	0.0	0.0
08/06/2023 07:00 AM	0.0	0.0	0.0
08/06/2023 08:00 AM	0.0	0.0	0.0
08/06/2023 09:00 AM	0.0	0.0	0.0
08/06/2023 10:00 AM	0.0	0.0	0.0
08/06/2023 11:00 AM	0.0	0.0	0.0
08/06/2023 12:00 PM	0.0	0.0	0.0
08/06/2023 01:00 PM	0.0	0.0	0.0
08/06/2023 02:00 PM	0.0	0.0	0.0
08/06/2023 03:00 PM	0.0	0.0	0.0
08/06/2023 04:00 PM	0.0	0.0	0.0
08/06/2023 05:00 PM	0.0	0.0	0.0
08/06/2023 06:00 PM	0.0	0.0	0.0
08/06/2023 07:00 PM	0.0	0.0	0.0
08/06/2023 08:00 PM	0.0	0.0	0.0
08/06/2023 09:00 PM	0.0	0.0	0.0
08/06/2023 10:00 PM	0.0	0.0	0.0
08/06/2023 11:00 PM	0.0	0.0	0.0
08/07/2023 12:00 AM	0.0	0.0	0.0
08/07/2023 01:00 AM	0.0	0.0	0.0
08/07/2023 02:00 AM	0.0	0.0	0.0
08/07/2023 03:00 AM	0.0	0.0	0.0
08/07/2023 04:00 AM	0.0	0.0	0.0
08/07/2023 05:00 AM	0.0	0.0	0.0
08/07/2023 06:00 AM	0.0	0.0	0.0
08/07/2023 07:00 AM	0.0	0.0	0.0
08/07/2023 08:00 AM	0.0	0.0	0.0
08/07/2023 09:00 AM	0.0	0.0	0.0
08/07/2023 10:00 AM	0.0	0.0	0.0
08/07/2023 11:00 AM	0.0	0.0	0.0
08/07/2023 12:00 PM	0.0	0.0	0.0
08/07/2023 01:00 PM	0.0	0.0	0.0
08/07/2023 02:00 PM	0.0	0.0	0.0
08/07/2023 03:00 PM	0.0	0.0	0.0
08/07/2023 04:00 PM	0.0	0.0	0.0
08/07/2023 05:00 PM	0.0	0.0	0.0
08/07/2023 06:00 PM	0.0	0.0	0.0
08/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/07/2023 08:00 PM	0.0	0.0	0.0
08/07/2023 09:00 PM	0.0	0.0	0.0
08/07/2023 10:00 PM	0.0	0.0	0.0
08/07/2023 11:00 PM	0.0	0.0	0.0
08/08/2023 12:00 AM	0.0	0.0	0.0
08/08/2023 01:00 AM	0.0	0.0	0.0
08/08/2023 02:00 AM	0.0	0.0	0.0
08/08/2023 03:00 AM	0.0	0.0	0.0
08/08/2023 04:00 AM	0.0	0.0	0.0
08/08/2023 05:00 AM	0.0	0.0	0.0
08/08/2023 06:00 AM	0.0	0.0	0.0
08/08/2023 07:00 AM	0.0	0.0	0.0
08/08/2023 08:00 AM	1,671.3	0.0	1,566.4
08/08/2023 09:00 AM	1,655.8	1,623.6	1,637.0
08/08/2023 10:00 AM	1,625.6	1,617.7	1,621.7
08/08/2023 11:00 AM	1,621.9	1,613.2	1,617.4
08/08/2023 12:00 PM	1,615.1	1,604.4	1,610.7
08/08/2023 01:00 PM	1,605.0	1,592.0	1,599.3
08/08/2023 02:00 PM	1,593.4	0.0	79.5
08/08/2023 03:00 PM	0.0	0.0	0.0
08/08/2023 04:00 PM	0.0	0.0	0.0
08/08/2023 05:00 PM	0.0	0.0	0.0
08/08/2023 06:00 PM	0.0	0.0	0.0
08/08/2023 07:00 PM	0.0	0.0	0.0
08/08/2023 08:00 PM	0.0	0.0	0.0
08/08/2023 09:00 PM	0.0	0.0	0.0
08/08/2023 10:00 PM	0.0	0.0	0.0
08/08/2023 11:00 PM	0.0	0.0	0.0
08/09/2023 12:00 AM	0.0	0.0	0.0
08/09/2023 01:00 AM	0.0	0.0	0.0
08/09/2023 02:00 AM	0.0	0.0	0.0
08/09/2023 03:00 AM	0.0	0.0	0.0
08/09/2023 04:00 AM	0.0	0.0	0.0
08/09/2023 05:00 AM	0.0	0.0	0.0
08/09/2023 06:00 AM	0.0	0.0	0.0
08/09/2023 07:00 AM	0.0	0.0	0.0
08/09/2023 08:00 AM	0.0	0.0	0.0
08/09/2023 09:00 AM	0.0	0.0	0.0
08/09/2023 10:00 AM	0.0	0.0	0.0
08/09/2023 11:00 AM	0.0	0.0	0.0
08/09/2023 12:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/09/2023 01:00 PM	0.0	0.0	0.0
08/09/2023 02:00 PM	0.0	0.0	0.0
08/09/2023 03:00 PM	0.0	0.0	0.0
08/09/2023 04:00 PM	0.0	0.0	0.0
08/09/2023 05:00 PM	0.0	0.0	0.0
08/09/2023 06:00 PM	0.0	0.0	0.0
08/09/2023 07:00 PM	0.0	0.0	0.0
08/09/2023 08:00 PM	0.0	0.0	0.0
08/09/2023 09:00 PM	0.0	0.0	0.0
08/09/2023 10:00 PM	0.0	0.0	0.0
08/09/2023 11:00 PM	0.0	0.0	0.0
08/10/2023 12:00 AM	0.0	0.0	0.0
08/10/2023 01:00 AM	0.0	0.0	0.0
08/10/2023 02:00 AM	0.0	0.0	0.0
08/10/2023 03:00 AM	0.0	0.0	0.0
08/10/2023 04:00 AM	0.0	0.0	0.0
08/10/2023 05:00 AM	0.0	0.0	0.0
08/10/2023 06:00 AM	0.0	0.0	0.0
08/10/2023 07:00 AM	0.0	0.0	0.0
08/10/2023 08:00 AM	2,064.1	0.0	1,631.3
08/10/2023 09:00 AM	1,667.3	1,634.5	1,648.7
08/10/2023 10:00 AM	1,643.9	1,610.5	1,625.0
08/10/2023 11:00 AM	1,614.7	1,586.7	1,600.1
08/10/2023 12:00 PM	1,589.4	1,554.5	1,572.8
08/10/2023 01:00 PM	1,558.6	1,535.2	1,546.1
08/10/2023 02:00 PM	1,538.8	0.0	76.9
08/10/2023 03:00 PM	0.0	0.0	0.0
08/10/2023 04:00 PM	0.0	0.0	0.0
08/10/2023 05:00 PM	0.0	0.0	0.0
08/10/2023 06:00 PM	0.0	0.0	0.0
08/10/2023 07:00 PM	0.0	0.0	0.0
08/10/2023 08:00 PM	0.0	0.0	0.0
08/10/2023 09:00 PM	0.0	0.0	0.0
08/10/2023 10:00 PM	0.0	0.0	0.0
08/10/2023 11:00 PM	0.0	0.0	0.0
08/11/2023 12:00 AM	0.0	0.0	0.0
08/11/2023 01:00 AM	0.0	0.0	0.0
08/11/2023 02:00 AM	0.0	0.0	0.0
08/11/2023 03:00 AM	0.0	0.0	0.0
08/11/2023 04:00 AM	0.0	0.0	0.0
08/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/11/2023 06:00 AM	0.0	0.0	0.0
08/11/2023 07:00 AM	0.0	0.0	0.0
08/11/2023 08:00 AM	0.0	0.0	0.0
08/11/2023 09:00 AM	0.0	0.0	0.0
08/11/2023 10:00 AM	0.0	0.0	0.0
08/11/2023 11:00 AM	0.0	0.0	0.0
08/11/2023 12:00 PM	0.0	0.0	0.0
08/11/2023 01:00 PM	0.0	0.0	0.0
08/11/2023 02:00 PM	0.0	0.0	0.0
08/11/2023 03:00 PM	0.0	0.0	0.0
08/11/2023 04:00 PM	0.0	0.0	0.0
08/11/2023 05:00 PM	0.0	0.0	0.0
08/11/2023 06:00 PM	0.0	0.0	0.0
08/11/2023 07:00 PM	0.0	0.0	0.0
08/11/2023 08:00 PM	0.0	0.0	0.0
08/11/2023 09:00 PM	0.0	0.0	0.0
08/11/2023 10:00 PM	0.0	0.0	0.0
08/11/2023 11:00 PM	0.0	0.0	0.0
08/12/2023 12:00 AM	0.0	0.0	0.0
08/12/2023 01:00 AM	0.0	0.0	0.0
08/12/2023 02:00 AM	0.0	0.0	0.0
08/12/2023 03:00 AM	0.0	0.0	0.0
08/12/2023 04:00 AM	0.0	0.0	0.0
08/12/2023 05:00 AM	0.0	0.0	0.0
08/12/2023 06:00 AM	0.0	0.0	0.0
08/12/2023 07:00 AM	0.0	0.0	0.0
08/12/2023 08:00 AM	0.0	0.0	0.0
08/12/2023 09:00 AM	0.0	0.0	0.0
08/12/2023 10:00 AM	0.0	0.0	0.0
08/12/2023 11:00 AM	0.0	0.0	0.0
08/12/2023 12:00 PM	0.0	0.0	0.0
08/12/2023 01:00 PM	0.0	0.0	0.0
08/12/2023 02:00 PM	0.0	0.0	0.0
08/12/2023 03:00 PM	0.0	0.0	0.0
08/12/2023 04:00 PM	0.0	0.0	0.0
08/12/2023 05:00 PM	0.0	0.0	0.0
08/12/2023 06:00 PM	0.0	0.0	0.0
08/12/2023 07:00 PM	0.0	0.0	0.0
08/12/2023 08:00 PM	0.0	0.0	0.0
08/12/2023 09:00 PM	0.0	0.0	0.0
08/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/12/2023 11:00 PM	0.0	0.0	0.0
08/13/2023 12:00 AM	0.0	0.0	0.0
08/13/2023 01:00 AM	0.0	0.0	0.0
08/13/2023 02:00 AM	0.0	0.0	0.0
08/13/2023 03:00 AM	0.0	0.0	0.0
08/13/2023 04:00 AM	0.0	0.0	0.0
08/13/2023 05:00 AM	0.0	0.0	0.0
08/13/2023 06:00 AM	0.0	0.0	0.0
08/13/2023 07:00 AM	0.0	0.0	0.0
08/13/2023 08:00 AM	0.0	0.0	0.0
08/13/2023 09:00 AM	0.0	0.0	0.0
08/13/2023 10:00 AM	0.0	0.0	0.0
08/13/2023 11:00 AM	0.0	0.0	0.0
08/13/2023 12:00 PM	0.0	0.0	0.0
08/13/2023 01:00 PM	0.0	0.0	0.0
08/13/2023 02:00 PM	0.0	0.0	0.0
08/13/2023 03:00 PM	0.0	0.0	0.0
08/13/2023 04:00 PM	0.0	0.0	0.0
08/13/2023 05:00 PM	0.0	0.0	0.0
08/13/2023 06:00 PM	0.0	0.0	0.0
08/13/2023 07:00 PM	0.0	0.0	0.0
08/13/2023 08:00 PM	0.0	0.0	0.0
08/13/2023 09:00 PM	0.0	0.0	0.0
08/13/2023 10:00 PM	0.0	0.0	0.0
08/13/2023 11:00 PM	0.0	0.0	0.0
08/14/2023 12:00 AM	0.0	0.0	0.0
08/14/2023 01:00 AM	0.0	0.0	0.0
08/14/2023 02:00 AM	0.0	0.0	0.0
08/14/2023 03:00 AM	0.0	0.0	0.0
08/14/2023 04:00 AM	0.0	0.0	0.0
08/14/2023 05:00 AM	0.0	0.0	0.0
08/14/2023 06:00 AM	0.0	0.0	0.0
08/14/2023 07:00 AM	0.0	0.0	0.0
08/14/2023 08:00 AM	0.0	0.0	0.0
08/14/2023 09:00 AM	0.0	0.0	0.0
08/14/2023 10:00 AM	0.0	0.0	0.0
08/14/2023 11:00 AM	0.0	0.0	0.0
08/14/2023 12:00 PM	0.0	0.0	0.0
08/14/2023 01:00 PM	0.0	0.0	0.0
08/14/2023 02:00 PM	0.0	0.0	0.0
08/14/2023 03:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/14/2023 04:00 PM	0.0	0.0	0.0
08/14/2023 05:00 PM	0.0	0.0	0.0
08/14/2023 06:00 PM	0.0	0.0	0.0
08/14/2023 07:00 PM	0.0	0.0	0.0
08/14/2023 08:00 PM	0.0	0.0	0.0
08/14/2023 09:00 PM	0.0	0.0	0.0
08/14/2023 10:00 PM	0.0	0.0	0.0
08/14/2023 11:00 PM	0.0	0.0	0.0
08/15/2023 12:00 AM	0.0	0.0	0.0
08/15/2023 01:00 AM	0.0	0.0	0.0
08/15/2023 02:00 AM	0.0	0.0	0.0
08/15/2023 03:00 AM	0.0	0.0	0.0
08/15/2023 04:00 AM	0.0	0.0	0.0
08/15/2023 05:00 AM	0.0	0.0	0.0
08/15/2023 06:00 AM	0.0	0.0	0.0
08/15/2023 07:00 AM	0.0	0.0	0.0
08/15/2023 08:00 AM	1,667.3	0.0	1,565.4
08/15/2023 09:00 AM	1,646.8	1,626.9	1,636.1
08/15/2023 10:00 AM	1,631.6	1,624.4	1,627.0
08/15/2023 11:00 AM	1,632.9	1,619.1	1,625.6
08/15/2023 12:00 PM	1,625.0	1,608.4	1,617.4
08/15/2023 01:00 PM	1,614.4	1,594.7	1,605.3
08/15/2023 02:00 PM	1,599.2	0.0	79.9
08/15/2023 03:00 PM	0.0	0.0	0.0
08/15/2023 04:00 PM	0.0	0.0	0.0
08/15/2023 05:00 PM	0.0	0.0	0.0
08/15/2023 06:00 PM	0.0	0.0	0.0
08/15/2023 07:00 PM	0.0	0.0	0.0
08/15/2023 08:00 PM	0.0	0.0	0.0
08/15/2023 09:00 PM	0.0	0.0	0.0
08/15/2023 10:00 PM	0.0	0.0	0.0
08/15/2023 11:00 PM	0.0	0.0	0.0
08/16/2023 12:00 AM	0.0	0.0	0.0
08/16/2023 01:00 AM	0.0	0.0	0.0
08/16/2023 02:00 AM	0.0	0.0	0.0
08/16/2023 03:00 AM	0.0	0.0	0.0
08/16/2023 04:00 AM	0.0	0.0	0.0
08/16/2023 05:00 AM	0.0	0.0	0.0
08/16/2023 06:00 AM	0.0	0.0	0.0
08/16/2023 07:00 AM	0.0	0.0	0.0
08/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/16/2023 09:00 AM	0.0	0.0	0.0
08/16/2023 10:00 AM	0.0	0.0	0.0
08/16/2023 11:00 AM	0.0	0.0	0.0
08/16/2023 12:00 PM	0.0	0.0	0.0
08/16/2023 01:00 PM	0.0	0.0	0.0
08/16/2023 02:00 PM	0.0	0.0	0.0
08/16/2023 03:00 PM	0.0	0.0	0.0
08/16/2023 04:00 PM	0.0	0.0	0.0
08/16/2023 05:00 PM	0.0	0.0	0.0
08/16/2023 06:00 PM	0.0	0.0	0.0
08/16/2023 07:00 PM	0.0	0.0	0.0
08/16/2023 08:00 PM	0.0	0.0	0.0
08/16/2023 09:00 PM	0.0	0.0	0.0
08/16/2023 10:00 PM	0.0	0.0	0.0
08/16/2023 11:00 PM	0.0	0.0	0.0
08/17/2023 12:00 AM	0.0	0.0	0.0
08/17/2023 01:00 AM	0.0	0.0	0.0
08/17/2023 02:00 AM	0.0	0.0	0.0
08/17/2023 03:00 AM	0.0	0.0	0.0
08/17/2023 04:00 AM	0.0	0.0	0.0
08/17/2023 05:00 AM	0.0	0.0	0.0
08/17/2023 06:00 AM	0.0	0.0	0.0
08/17/2023 07:00 AM	0.0	0.0	0.0
08/17/2023 08:00 AM	1,788.9	0.0	1,629.1
08/17/2023 09:00 AM	1,681.1	1,644.7	1,662.3
08/17/2023 10:00 AM	1,645.7	1,616.1	1,630.0
08/17/2023 11:00 AM	1,616.1	1,587.5	1,603.0
08/17/2023 12:00 PM	1,590.1	1,561.6	1,576.2
08/17/2023 01:00 PM	1,568.6	1,541.8	1,553.6
08/17/2023 02:00 PM	1,544.3	0.0	77.1
08/17/2023 03:00 PM	0.0	0.0	0.0
08/17/2023 04:00 PM	0.0	0.0	0.0
08/17/2023 05:00 PM	0.0	0.0	0.0
08/17/2023 06:00 PM	0.0	0.0	0.0
08/17/2023 07:00 PM	0.0	0.0	0.0
08/17/2023 08:00 PM	0.0	0.0	0.0
08/17/2023 09:00 PM	0.0	0.0	0.0
08/17/2023 10:00 PM	0.0	0.0	0.0
08/17/2023 11:00 PM	0.0	0.0	0.0
08/18/2023 12:00 AM	0.0	0.0	0.0
08/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/18/2023 02:00 AM	0.0	0.0	0.0
08/18/2023 03:00 AM	0.0	0.0	0.0
08/18/2023 04:00 AM	0.0	0.0	0.0
08/18/2023 05:00 AM	0.0	0.0	0.0
08/18/2023 06:00 AM	0.0	0.0	0.0
08/18/2023 07:00 AM	0.0	0.0	0.0
08/18/2023 08:00 AM	0.0	0.0	0.0
08/18/2023 09:00 AM	0.0	0.0	0.0
08/18/2023 10:00 AM	0.0	0.0	0.0
08/18/2023 11:00 AM	0.0	0.0	0.0
08/18/2023 12:00 PM	0.0	0.0	0.0
08/18/2023 01:00 PM	0.0	0.0	0.0
08/18/2023 02:00 PM	0.0	0.0	0.0
08/18/2023 03:00 PM	0.0	0.0	0.0
08/18/2023 04:00 PM	0.0	0.0	0.0
08/18/2023 05:00 PM	0.0	0.0	0.0
08/18/2023 06:00 PM	0.0	0.0	0.0
08/18/2023 07:00 PM	0.0	0.0	0.0
08/18/2023 08:00 PM	0.0	0.0	0.0
08/18/2023 09:00 PM	0.0	0.0	0.0
08/18/2023 10:00 PM	0.0	0.0	0.0
08/18/2023 11:00 PM	0.0	0.0	0.0
08/19/2023 12:00 AM	0.0	0.0	0.0
08/19/2023 01:00 AM	0.0	0.0	0.0
08/19/2023 02:00 AM	0.0	0.0	0.0
08/19/2023 03:00 AM	0.0	0.0	0.0
08/19/2023 04:00 AM	0.0	0.0	0.0
08/19/2023 05:00 AM	0.0	0.0	0.0
08/19/2023 06:00 AM	0.0	0.0	0.0
08/19/2023 07:00 AM	0.0	0.0	0.0
08/19/2023 08:00 AM	0.0	0.0	0.0
08/19/2023 09:00 AM	0.0	0.0	0.0
08/19/2023 10:00 AM	0.0	0.0	0.0
08/19/2023 11:00 AM	0.0	0.0	0.0
08/19/2023 12:00 PM	0.0	0.0	0.0
08/19/2023 01:00 PM	0.0	0.0	0.0
08/19/2023 02:00 PM	0.0	0.0	0.0
08/19/2023 03:00 PM	0.0	0.0	0.0
08/19/2023 04:00 PM	0.0	0.0	0.0
08/19/2023 05:00 PM	0.0	0.0	0.0
08/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/19/2023 07:00 PM	0.0	0.0	0.0
08/19/2023 08:00 PM	0.0	0.0	0.0
08/19/2023 09:00 PM	0.0	0.0	0.0
08/19/2023 10:00 PM	0.0	0.0	0.0
08/19/2023 11:00 PM	0.0	0.0	0.0
08/20/2023 12:00 AM	0.0	0.0	0.0
08/20/2023 01:00 AM	0.0	0.0	0.0
08/20/2023 02:00 AM	0.0	0.0	0.0
08/20/2023 03:00 AM	0.0	0.0	0.0
08/20/2023 04:00 AM	0.0	0.0	0.0
08/20/2023 05:00 AM	0.0	0.0	0.0
08/20/2023 06:00 AM	0.0	0.0	0.0
08/20/2023 07:00 AM	0.0	0.0	0.0
08/20/2023 08:00 AM	0.0	0.0	0.0
08/20/2023 09:00 AM	0.0	0.0	0.0
08/20/2023 10:00 AM	0.0	0.0	0.0
08/20/2023 11:00 AM	0.0	0.0	0.0
08/20/2023 12:00 PM	0.0	0.0	0.0
08/20/2023 01:00 PM	0.0	0.0	0.0
08/20/2023 02:00 PM	0.0	0.0	0.0
08/20/2023 03:00 PM	0.0	0.0	0.0
08/20/2023 04:00 PM	0.0	0.0	0.0
08/20/2023 05:00 PM	0.0	0.0	0.0
08/20/2023 06:00 PM	0.0	0.0	0.0
08/20/2023 07:00 PM	0.0	0.0	0.0
08/20/2023 08:00 PM	0.0	0.0	0.0
08/20/2023 09:00 PM	0.0	0.0	0.0
08/20/2023 10:00 PM	0.0	0.0	0.0
08/20/2023 11:00 PM	0.0	0.0	0.0
08/21/2023 12:00 AM	0.0	0.0	0.0
08/21/2023 01:00 AM	0.0	0.0	0.0
08/21/2023 02:00 AM	0.0	0.0	0.0
08/21/2023 03:00 AM	0.0	0.0	0.0
08/21/2023 04:00 AM	0.0	0.0	0.0
08/21/2023 05:00 AM	0.0	0.0	0.0
08/21/2023 06:00 AM	0.0	0.0	0.0
08/21/2023 07:00 AM	0.0	0.0	0.0
08/21/2023 08:00 AM	0.0	0.0	0.0
08/21/2023 09:00 AM	0.0	0.0	0.0
08/21/2023 10:00 AM	0.0	0.0	0.0
08/21/2023 11:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/21/2023 12:00 PM	0.0	0.0	0.0
08/21/2023 01:00 PM	0.0	0.0	0.0
08/21/2023 02:00 PM	0.0	0.0	0.0
08/21/2023 03:00 PM	0.0	0.0	0.0
08/21/2023 04:00 PM	0.0	0.0	0.0
08/21/2023 05:00 PM	0.0	0.0	0.0
08/21/2023 06:00 PM	0.0	0.0	0.0
08/21/2023 07:00 PM	0.0	0.0	0.0
08/21/2023 08:00 PM	0.0	0.0	0.0
08/21/2023 09:00 PM	0.0	0.0	0.0
08/21/2023 10:00 PM	0.0	0.0	0.0
08/21/2023 11:00 PM	0.0	0.0	0.0
08/22/2023 12:00 AM	0.0	0.0	0.0
08/22/2023 01:00 AM	0.0	0.0	0.0
08/22/2023 02:00 AM	0.0	0.0	0.0
08/22/2023 03:00 AM	0.0	0.0	0.0
08/22/2023 04:00 AM	0.0	0.0	0.0
08/22/2023 05:00 AM	0.0	0.0	0.0
08/22/2023 06:00 AM	0.0	0.0	0.0
08/22/2023 07:00 AM	0.0	0.0	0.0
08/22/2023 08:00 AM	1,661.7	0.0	1,562.6
08/22/2023 09:00 AM	1,643.3	1,617.4	1,627.2
08/22/2023 10:00 AM	1,619.4	1,609.1	1,612.3
08/22/2023 11:00 AM	1,613.8	1,606.1	1,610.0
08/22/2023 12:00 PM	1,610.3	1,594.5	1,603.0
08/22/2023 01:00 PM	1,594.5	1,581.9	1,588.7
08/22/2023 02:00 PM	1,582.8	0.0	79.1
08/22/2023 03:00 PM	0.0	0.0	0.0
08/22/2023 04:00 PM	0.0	0.0	0.0
08/22/2023 05:00 PM	0.0	0.0	0.0
08/22/2023 06:00 PM	0.0	0.0	0.0
08/22/2023 07:00 PM	0.0	0.0	0.0
08/22/2023 08:00 PM	0.0	0.0	0.0
08/22/2023 09:00 PM	0.0	0.0	0.0
08/22/2023 10:00 PM	0.0	0.0	0.0
08/22/2023 11:00 PM	0.0	0.0	0.0
08/23/2023 12:00 AM	0.0	0.0	0.0
08/23/2023 01:00 AM	0.0	0.0	0.0
08/23/2023 02:00 AM	0.0	0.0	0.0
08/23/2023 03:00 AM	0.0	0.0	0.0
08/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/23/2023 05:00 AM	0.0	0.0	0.0
08/23/2023 06:00 AM	0.0	0.0	0.0
08/23/2023 07:00 AM	0.0	0.0	0.0
08/23/2023 08:00 AM	0.0	0.0	0.0
08/23/2023 09:00 AM	0.0	0.0	0.0
08/23/2023 10:00 AM	0.0	0.0	0.0
08/23/2023 11:00 AM	0.0	0.0	0.0
08/23/2023 12:00 PM	0.0	0.0	0.0
08/23/2023 01:00 PM	0.0	0.0	0.0
08/23/2023 02:00 PM	0.0	0.0	0.0
08/23/2023 03:00 PM	0.0	0.0	0.0
08/23/2023 04:00 PM	0.0	0.0	0.0
08/23/2023 05:00 PM	0.0	0.0	0.0
08/23/2023 06:00 PM	0.0	0.0	0.0
08/23/2023 07:00 PM	0.0	0.0	0.0
08/23/2023 08:00 PM	0.0	0.0	0.0
08/23/2023 09:00 PM	0.0	0.0	0.0
08/23/2023 10:00 PM	0.0	0.0	0.0
08/23/2023 11:00 PM	0.0	0.0	0.0
08/24/2023 12:00 AM	0.0	0.0	0.0
08/24/2023 01:00 AM	0.0	0.0	0.0
08/24/2023 02:00 AM	0.0	0.0	0.0
08/24/2023 03:00 AM	0.0	0.0	0.0
08/24/2023 04:00 AM	0.0	0.0	0.0
08/24/2023 05:00 AM	0.0	0.0	0.0
08/24/2023 06:00 AM	0.0	0.0	0.0
08/24/2023 07:00 AM	0.0	0.0	0.0
08/24/2023 08:00 AM	1,860.6	0.0	1,644.6
08/24/2023 09:00 AM	1,714.1	1,677.3	1,694.8
08/24/2023 10:00 AM	1,677.3	1,647.8	1,663.4
08/24/2023 11:00 AM	1,648.8	1,617.1	1,634.0
08/24/2023 12:00 PM	1,621.9	1,582.7	1,602.4
08/24/2023 01:00 PM	1,590.0	1,556.4	1,575.7
08/24/2023 02:00 PM	1,568.8	0.0	78.3
08/24/2023 03:00 PM	0.0	0.0	0.0
08/24/2023 04:00 PM	0.0	0.0	0.0
08/24/2023 05:00 PM	0.0	0.0	0.0
08/24/2023 06:00 PM	0.0	0.0	0.0
08/24/2023 07:00 PM	0.0	0.0	0.0
08/24/2023 08:00 PM	0.0	0.0	0.0
08/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/24/2023 10:00 PM	0.0	0.0	0.0
08/24/2023 11:00 PM	0.0	0.0	0.0
08/25/2023 12:00 AM	0.0	0.0	0.0
08/25/2023 01:00 AM	0.0	0.0	0.0
08/25/2023 02:00 AM	0.0	0.0	0.0
08/25/2023 03:00 AM	0.0	0.0	0.0
08/25/2023 04:00 AM	0.0	0.0	0.0
08/25/2023 05:00 AM	0.0	0.0	0.0
08/25/2023 06:00 AM	0.0	0.0	0.0
08/25/2023 07:00 AM	0.0	0.0	0.0
08/25/2023 08:00 AM	0.0	0.0	0.0
08/25/2023 09:00 AM	0.0	0.0	0.0
08/25/2023 10:00 AM	0.0	0.0	0.0
08/25/2023 11:00 AM	0.0	0.0	0.0
08/25/2023 12:00 PM	0.0	0.0	0.0
08/25/2023 01:00 PM	0.0	0.0	0.0
08/25/2023 02:00 PM	0.0	0.0	0.0
08/25/2023 03:00 PM	0.0	0.0	0.0
08/25/2023 04:00 PM	0.0	0.0	0.0
08/25/2023 05:00 PM	0.0	0.0	0.0
08/25/2023 06:00 PM	0.0	0.0	0.0
08/25/2023 07:00 PM	0.0	0.0	0.0
08/25/2023 08:00 PM	0.0	0.0	0.0
08/25/2023 09:00 PM	0.0	0.0	0.0
08/25/2023 10:00 PM	0.0	0.0	0.0
08/25/2023 11:00 PM	0.0	0.0	0.0
08/26/2023 12:00 AM	0.0	0.0	0.0
08/26/2023 01:00 AM	0.0	0.0	0.0
08/26/2023 02:00 AM	0.0	0.0	0.0
08/26/2023 03:00 AM	0.0	0.0	0.0
08/26/2023 04:00 AM	0.0	0.0	0.0
08/26/2023 05:00 AM	0.0	0.0	0.0
08/26/2023 06:00 AM	0.0	0.0	0.0
08/26/2023 07:00 AM	0.0	0.0	0.0
08/26/2023 08:00 AM	0.0	0.0	0.0
08/26/2023 09:00 AM	0.0	0.0	0.0
08/26/2023 10:00 AM	0.0	0.0	0.0
08/26/2023 11:00 AM	0.0	0.0	0.0
08/26/2023 12:00 PM	0.0	0.0	0.0
08/26/2023 01:00 PM	0.0	0.0	0.0
08/26/2023 02:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/26/2023 03:00 PM	0.0	0.0	0.0
08/26/2023 04:00 PM	0.0	0.0	0.0
08/26/2023 05:00 PM	0.0	0.0	0.0
08/26/2023 06:00 PM	0.0	0.0	0.0
08/26/2023 07:00 PM	0.0	0.0	0.0
08/26/2023 08:00 PM	0.0	0.0	0.0
08/26/2023 09:00 PM	0.0	0.0	0.0
08/26/2023 10:00 PM	0.0	0.0	0.0
08/26/2023 11:00 PM	0.0	0.0	0.0
08/27/2023 12:00 AM	0.0	0.0	0.0
08/27/2023 01:00 AM	0.0	0.0	0.0
08/27/2023 02:00 AM	0.0	0.0	0.0
08/27/2023 03:00 AM	0.0	0.0	0.0
08/27/2023 04:00 AM	0.0	0.0	0.0
08/27/2023 05:00 AM	0.0	0.0	0.0
08/27/2023 06:00 AM	0.0	0.0	0.0
08/27/2023 07:00 AM	0.0	0.0	0.0
08/27/2023 08:00 AM	0.0	0.0	0.0
08/27/2023 09:00 AM	0.0	0.0	0.0
08/27/2023 10:00 AM	0.0	0.0	0.0
08/27/2023 11:00 AM	0.0	0.0	0.0
08/27/2023 12:00 PM	0.0	0.0	0.0
08/27/2023 01:00 PM	0.0	0.0	0.0
08/27/2023 02:00 PM	0.0	0.0	0.0
08/27/2023 03:00 PM	0.0	0.0	0.0
08/27/2023 04:00 PM	0.0	0.0	0.0
08/27/2023 05:00 PM	0.0	0.0	0.0
08/27/2023 06:00 PM	0.0	0.0	0.0
08/27/2023 07:00 PM	0.0	0.0	0.0
08/27/2023 08:00 PM	0.0	0.0	0.0
08/27/2023 09:00 PM	0.0	0.0	0.0
08/27/2023 10:00 PM	0.0	0.0	0.0
08/27/2023 11:00 PM	0.0	0.0	0.0
08/28/2023 12:00 AM	0.0	0.0	0.0
08/28/2023 01:00 AM	0.0	0.0	0.0
08/28/2023 02:00 AM	0.0	0.0	0.0
08/28/2023 03:00 AM	0.0	0.0	0.0
08/28/2023 04:00 AM	0.0	0.0	0.0
08/28/2023 05:00 AM	0.0	0.0	0.0
08/28/2023 06:00 AM	0.0	0.0	0.0
08/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/28/2023 08:00 AM	0.0	0.0	0.0
08/28/2023 09:00 AM	0.0	0.0	0.0
08/28/2023 10:00 AM	0.0	0.0	0.0
08/28/2023 11:00 AM	0.0	0.0	0.0
08/28/2023 12:00 PM	0.0	0.0	0.0
08/28/2023 01:00 PM	0.0	0.0	0.0
08/28/2023 02:00 PM	0.0	0.0	0.0
08/28/2023 03:00 PM	0.0	0.0	0.0
08/28/2023 04:00 PM	0.0	0.0	0.0
08/28/2023 05:00 PM	0.0	0.0	0.0
08/28/2023 06:00 PM	0.0	0.0	0.0
08/28/2023 07:00 PM	0.0	0.0	0.0
08/28/2023 08:00 PM	0.0	0.0	0.0
08/28/2023 09:00 PM	0.0	0.0	0.0
08/28/2023 10:00 PM	0.0	0.0	0.0
08/28/2023 11:00 PM	0.0	0.0	0.0
08/29/2023 12:00 AM	0.0	0.0	0.0
08/29/2023 01:00 AM	0.0	0.0	0.0
08/29/2023 02:00 AM	0.0	0.0	0.0
08/29/2023 03:00 AM	0.0	0.0	0.0
08/29/2023 04:00 AM	0.0	0.0	0.0
08/29/2023 05:00 AM	0.0	0.0	0.0
08/29/2023 06:00 AM	0.0	0.0	0.0
08/29/2023 07:00 AM	0.0	0.0	0.0
08/29/2023 08:00 AM	2,000.4	0.0	1,719.8
08/29/2023 09:00 AM	1,768.1	1,677.1	1,708.9
08/29/2023 10:00 AM	1,680.5	1,659.9	1,672.0
08/29/2023 11:00 AM	1,670.6	1,641.6	1,655.6
08/29/2023 12:00 PM	1,651.8	1,626.5	1,637.8
08/29/2023 01:00 PM	1,627.6	1,599.3	1,612.1
08/29/2023 02:00 PM	1,601.4	0.0	80.0
08/29/2023 03:00 PM	0.0	0.0	0.0
08/29/2023 04:00 PM	0.0	0.0	0.0
08/29/2023 05:00 PM	0.0	0.0	0.0
08/29/2023 06:00 PM	0.0	0.0	0.0
08/29/2023 07:00 PM	0.0	0.0	0.0
08/29/2023 08:00 PM	0.0	0.0	0.0
08/29/2023 09:00 PM	0.0	0.0	0.0
08/29/2023 10:00 PM	0.0	0.0	0.0
08/29/2023 11:00 PM	0.0	0.0	0.0
08/30/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/30/2023 01:00 AM	0.0	0.0	0.0
08/30/2023 02:00 AM	0.0	0.0	0.0
08/30/2023 03:00 AM	0.0	0.0	0.0
08/30/2023 04:00 AM	0.0	0.0	0.0
08/30/2023 05:00 AM	0.0	0.0	0.0
08/30/2023 06:00 AM	0.0	0.0	0.0
08/30/2023 07:00 AM	0.0	0.0	0.0
08/30/2023 08:00 AM	0.0	0.0	0.0
08/30/2023 09:00 AM	0.0	0.0	0.0
08/30/2023 10:00 AM	0.0	0.0	0.0
08/30/2023 11:00 AM	0.0	0.0	0.0
08/30/2023 12:00 PM	0.0	0.0	0.0
08/30/2023 01:00 PM	0.0	0.0	0.0
08/30/2023 02:00 PM	0.0	0.0	0.0
08/30/2023 03:00 PM	0.0	0.0	0.0
08/30/2023 04:00 PM	0.0	0.0	0.0
08/30/2023 05:00 PM	0.0	0.0	0.0
08/30/2023 06:00 PM	0.0	0.0	0.0
08/30/2023 07:00 PM	0.0	0.0	0.0
08/30/2023 08:00 PM	0.0	0.0	0.0
08/30/2023 09:00 PM	0.0	0.0	0.0
08/30/2023 10:00 PM	0.0	0.0	0.0
08/30/2023 11:00 PM	0.0	0.0	0.0
08/31/2023 12:00 AM	0.0	0.0	0.0
08/31/2023 01:00 AM	0.0	0.0	0.0
08/31/2023 02:00 AM	0.0	0.0	0.0
08/31/2023 03:00 AM	0.0	0.0	0.0
08/31/2023 04:00 AM	0.0	0.0	0.0
08/31/2023 05:00 AM	0.0	0.0	0.0
08/31/2023 06:00 AM	0.0	0.0	0.0
08/31/2023 07:00 AM	0.0	0.0	0.0
08/31/2023 08:00 AM	2,063.4	0.0	1,664.9
08/31/2023 09:00 AM	1,687.8	1,651.5	1,668.7
08/31/2023 10:00 AM	1,655.9	1,632.4	1,643.0
08/31/2023 11:00 AM	1,636.0	1,596.1	1,615.7
08/31/2023 12:00 PM	1,604.4	1,570.8	1,586.9
08/31/2023 01:00 PM	1,576.2	1,548.5	1,563.0
08/31/2023 02:00 PM	1,554.4	0.0	77.6
08/31/2023 03:00 PM	0.0	0.0	0.0
08/31/2023 04:00 PM	0.0	0.0	0.0
08/31/2023 05:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
August 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
08/31/2023 06:00 PM	0.0	0.0	0.0
08/31/2023 07:00 PM	0.0	0.0	0.0
08/31/2023 08:00 PM	0.0	0.0	0.0
08/31/2023 09:00 PM	0.0	0.0	0.0
08/31/2023 10:00 PM	0.0	0.0	0.0
08/31/2023 11:00 PM	0.0	0.0	0.0

September 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
September 2023

Date	Raw Water	Finished Water
09/01/2023	341,463	341,256
09/02/2023	348,607	332,799
09/03/2023	338,855	334,344
09/04/2023	351,935	339,814
09/05/2023	369,906	369,314
09/06/2023	345,465	330,494
09/07/2023	285,880	270,407
09/08/2023	337,071	343,207
09/09/2023	353,306	339,966
09/10/2023	338,744	330,474
09/11/2023	340,283	340,812
09/12/2023	373,154	369,071
09/13/2023	350,806	338,080
09/14/2023	370,924	363,468
09/15/2023	341,775	344,773
09/16/2023	347,537	332,051
09/17/2023	337,099	339,532
09/18/2023	351,375	337,960
09/19/2023	370,865	363,661
09/20/2023	347,186	345,657
09/21/2023	358,958	348,184
09/22/2023	346,899	345,341
09/23/2023	340,127	330,156
09/24/2023	343,330	346,983
09/25/2023	348,122	332,759
09/26/2023	374,186	366,032
09/27/2023	340,324	344,033
09/28/2023	373,346	366,295
09/29/2023	348,983	334,860
09/30/2023	338,044	340,040
Totals:	**10,454,557**	**10,261,824**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
September 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
09/01/2023	8.4	5.9	8.4	8.3
09/02/2023	9.2	5.4	7.6	8.6
09/03/2023	8.6	5.6	7.7	8.6
09/04/2023	9.1	5.6	8.4	8.1
09/05/2023	8.7	6.8	9.9	8.1
09/06/2023	9.4	5.0	8.4	7.7
09/07/2023	7.6	4.4	7.7	5.3
09/08/2023	9.1	5.0	8.0	8.6
09/09/2023	7.8	7.0	7.7	8.7
09/10/2023	4.6	9.5	7.4	8.6
09/11/2023	5.9	8.3	7.9	8.6
09/12/2023	7.2	8.4	9.8	8.0
09/13/2023	4.6	10.1	8.3	8.0
09/14/2023	8.6	6.9	9.6	7.9
09/15/2023	8.4	5.9	8.2	8.5
09/16/2023	4.9	9.6	7.4	8.7
09/17/2023	5.3	8.7	7.8	8.6
09/18/2023	4.8	9.9	8.3	8.0
09/19/2023	8.6	6.9	9.5	8.0
09/20/2023	10.0	4.5	8.1	8.5
09/21/2023	9.9	5.1	7.5	9.3
09/22/2023	9.9	4.6	8.1	8.5
09/23/2023	9.9	4.3	7.3	8.7
09/24/2023	9.0	5.4	8.1	8.6
09/25/2023	4.8	9.7	8.3	7.7
09/26/2023	6.4	9.3	8.9	8.8
09/27/2023	4.9	9.3	8.3	8.3
09/28/2023	6.3	9.2	6.7	11.0
09/29/2023	4.6	10.0	7.6	8.6
09/30/2023	4.8	9.3	7.8	8.7
Totals:	**221.2**	**215.6**	**244.3**	**251.8**
	436.8		**496.1**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
September 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
09/01/2023	0.0	14.4	0.0	16.7
09/02/2023	0.0	14.7	0.0	16.3
09/03/2023	0.0	14.3	0.0	16.4
09/04/2023	0.0	14.8	0.0	16.6
09/05/2023	0.0	15.6	0.0	18.0
09/06/2023	0.0	14.5	0.0	16.2
09/07/2023	0.0	4.3	0.0	5.0
09/08/2023	0.0	14.0	0.0	14.0
09/09/2023	0.0	24.0	0.0	24.0
09/10/2023	0.0	19.0	0.0	20.0
09/11/2023	0.0	14.3	0.0	16.5
09/12/2023	0.0	15.6	0.0	17.8
09/13/2023	0.0	14.7	0.0	16.3
09/14/2023	0.0	15.6	0.0	17.5
09/15/2023	0.0	14.4	0.0	16.7
09/16/2023	0.0	14.6	0.0	16.1
09/17/2023	0.0	14.2	0.0	16.4
09/18/2023	0.0	14.7	0.0	16.3
09/19/2023	0.0	15.6	0.0	17.5
09/20/2023	0.0	14.6	0.0	16.7
09/21/2023	0.0	15.1	0.0	16.8
09/22/2023	0.0	14.6	0.0	16.7
09/23/2023	0.0	14.3	0.0	16.0
09/24/2023	0.0	14.4	0.0	16.8
09/25/2023	0.0	14.6	0.0	16.1
09/26/2023	0.0	15.7	0.0	17.7
09/27/2023	0.0	14.3	0.0	16.7
09/28/2023	0.0	15.7	0.0	17.8
09/29/2023	0.0	14.6	0.0	16.2
09/30/2023	0.0	14.2	0.0	16.5
Totals:	**0.0**	**445.2**	**0.0**	**498.2**
	445.2		**498.3**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
September 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
09/01/2023	0.0	0	24.0	339,161
09/02/2023	0.0	0	24.0	339,136
09/03/2023	0.0	0	24.0	339,166
09/04/2023	0.0	0	24.0	339,150
09/05/2023	6.0	30,026	24.0	339,171
09/06/2023	0.0	0	24.0	339,197
09/07/2023	2.0	7,824	19.0	267,754
09/08/2023	0.0	0	24.0	339,182
09/09/2023	0.0	0	24.0	339,201
09/10/2023	0.0	0	24.0	339,169
09/11/2023	0.0	0	24.0	339,180
09/12/2023	6.0	29,989	24.0	339,087
09/13/2023	0.0	0	24.0	338,972
09/14/2023	6.0	29,975	24.0	338,966
09/15/2023	0.0	0	24.0	339,070
09/16/2023	0.0	0	24.0	339,109
09/17/2023	0.0	0	24.0	339,077
09/18/2023	0.0	0	24.0	339,034
09/19/2023	6.0	30,020	24.0	339,119
09/20/2023	0.0	0	24.0	339,190
09/21/2023	4.0	18,044	24.0	339,057
09/22/2023	0.0	0	24.0	339,030
09/23/2023	0.0	0	24.0	339,142
09/24/2023	0.0	0	24.0	339,177
09/25/2023	0.0	0	24.0	339,172
09/26/2023	6.0	30,056	24.0	339,115
09/27/2023	0.0	0	24.0	339,133
09/28/2023	6.0	30,007	24.0	339,183
09/29/2023	0.0	0	24.0	339,188
09/30/2023	0.0	0	24.0	339,167
Totals:	**42.0**	**205,940**	**715.0**	**10,102,454**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/01/2023 12:00 AM	0.0	201.7	283.6	223.9
09/01/2023 01:00 AM	0.0	201.8	283.6	223.9
09/01/2023 02:00 AM	0.0	201.8	283.6	223.9
09/01/2023 03:00 AM	0.0	201.9	283.7	223.9
09/01/2023 04:00 AM	0.0	201.9	283.7	223.9
09/01/2023 05:00 AM	0.0	201.9	283.7	223.9
09/01/2023 06:00 AM	0.0	202.0	283.7	223.9
09/01/2023 07:00 AM	0.0	202.0	283.7	223.9
09/01/2023 08:00 AM	0.0	202.1	283.8	223.9
09/01/2023 09:00 AM	0.0	202.1	283.8	223.9
09/01/2023 10:00 AM	0.0	202.1	283.8	223.9
09/01/2023 11:00 AM	0.0	202.1	283.8	223.9
09/01/2023 12:00 PM	0.0	202.0	283.8	223.9
09/01/2023 01:00 PM	0.0	202.0	283.8	223.9
09/01/2023 02:00 PM	0.0	202.0	283.8	223.9
09/01/2023 03:00 PM	0.0	201.9	283.8	223.9
09/01/2023 04:00 PM	0.0	201.9	283.8	223.9
09/01/2023 05:00 PM	0.0	201.8	283.8	223.9
09/01/2023 06:00 PM	0.0	201.8	283.7	223.9
09/01/2023 07:00 PM	0.0	201.8	283.7	223.9
09/01/2023 08:00 PM	0.0	201.7	283.7	223.9
09/01/2023 09:00 PM	0.0	201.7	283.7	223.9
09/01/2023 10:00 PM	0.0	201.7	283.7	223.9
09/01/2023 11:00 PM	0.0	201.8	283.7	223.9
09/02/2023 12:00 AM	0.0	201.8	283.7	223.9
09/02/2023 01:00 AM	0.0	201.8	283.7	223.9
09/02/2023 02:00 AM	0.0	201.7	283.7	223.9
09/02/2023 03:00 AM	0.0	201.7	283.7	223.9
09/02/2023 04:00 AM	0.0	201.7	283.6	223.9
09/02/2023 05:00 AM	0.0	201.7	283.7	223.9
09/02/2023 06:00 AM	0.0	201.7	283.6	223.9
09/02/2023 07:00 AM	0.0	201.7	283.6	223.9
09/02/2023 08:00 AM	0.0	201.7	283.6	223.9
09/02/2023 09:00 AM	0.0	201.7	283.6	223.9
09/02/2023 10:00 AM	0.0	201.7	283.6	223.9
09/02/2023 11:00 AM	0.0	201.7	283.7	223.9
09/02/2023 12:00 PM	0.0	201.7	283.7	223.9
09/02/2023 01:00 PM	0.0	201.7	283.7	223.9
09/02/2023 02:00 PM	0.0	201.7	283.7	223.9
09/02/2023 03:00 PM	0.0	201.7	283.7	223.9
09/02/2023 04:00 PM	0.0	201.7	283.7	223.9
09/02/2023 05:00 PM	0.0	201.6	283.7	223.9
09/02/2023 06:00 PM	0.0	201.6	283.7	223.9
09/02/2023 07:00 PM	0.0	201.6	283.6	223.9
09/02/2023 08:00 PM	0.0	201.6	283.6	223.9
09/02/2023 09:00 PM	0.0	201.6	283.7	223.9
09/02/2023 10:00 PM	0.0	201.6	283.6	223.9
09/02/2023 11:00 PM	0.0	201.6	283.6	223.9
09/03/2023 12:00 AM	0.0	201.6	283.7	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/03/2023 01:00 AM	0.0	201.7	283.7	223.9
09/03/2023 02:00 AM	0.0	201.7	283.7	223.9
09/03/2023 03:00 AM	0.0	201.7	283.7	223.9
09/03/2023 04:00 AM	0.0	201.7	283.6	223.9
09/03/2023 05:00 AM	0.0	201.6	283.7	223.9
09/03/2023 06:00 AM	0.0	201.6	283.6	223.9
09/03/2023 07:00 AM	0.0	201.6	283.6	223.9
09/03/2023 08:00 AM	0.0	201.6	283.6	223.9
09/03/2023 09:00 AM	0.0	201.6	283.6	223.9
09/03/2023 10:00 AM	0.0	201.6	283.6	223.9
09/03/2023 11:00 AM	0.0	201.6	283.6	223.9
09/03/2023 12:00 PM	0.0	201.6	283.7	223.9
09/03/2023 01:00 PM	0.0	201.6	283.7	223.9
09/03/2023 02:00 PM	0.0	201.6	283.7	223.9
09/03/2023 03:00 PM	0.0	201.6	283.7	223.9
09/03/2023 04:00 PM	0.0	201.6	283.7	223.9
09/03/2023 05:00 PM	0.0	201.6	283.6	223.9
09/03/2023 06:00 PM	0.0	201.5	283.6	223.9
09/03/2023 07:00 PM	0.0	201.5	283.6	223.9
09/03/2023 08:00 PM	0.0	201.5	283.6	223.9
09/03/2023 09:00 PM	0.0	201.5	283.6	223.9
09/03/2023 10:00 PM	0.0	201.5	283.5	223.9
09/03/2023 11:00 PM	0.0	201.5	283.6	223.9
09/04/2023 12:00 AM	0.0	201.6	283.6	223.9
09/04/2023 01:00 AM	0.0	201.7	283.6	223.9
09/04/2023 02:00 AM	0.0	201.7	283.7	223.9
09/04/2023 03:00 AM	0.0	201.8	283.7	223.9
09/04/2023 04:00 AM	0.0	201.9	283.7	223.9
09/04/2023 05:00 AM	0.0	201.9	283.8	223.9
09/04/2023 06:00 AM	0.0	202.0	283.8	223.9
09/04/2023 07:00 AM	0.0	202.0	283.8	223.9
09/04/2023 08:00 AM	0.0	202.0	283.8	223.9
09/04/2023 09:00 AM	0.0	202.0	283.8	223.9
09/04/2023 10:00 AM	0.0	202.0	283.8	223.9
09/04/2023 11:00 AM	0.0	201.9	283.8	223.9
09/04/2023 12:00 PM	0.0	201.9	283.8	223.9
09/04/2023 01:00 PM	0.0	201.9	283.8	223.9
09/04/2023 02:00 PM	0.0	201.8	283.8	223.9
09/04/2023 03:00 PM	0.0	201.8	283.8	223.9
09/04/2023 04:00 PM	0.0	201.8	283.8	223.9
09/04/2023 05:00 PM	0.0	201.8	283.7	223.9
09/04/2023 06:00 PM	0.0	201.7	283.7	223.9
09/04/2023 07:00 PM	0.0	201.7	283.7	223.9
09/04/2023 08:00 PM	0.0	201.7	283.7	223.9
09/04/2023 09:00 PM	0.0	201.7	283.7	223.9
09/04/2023 10:00 PM	0.0	201.7	283.7	223.9
09/04/2023 11:00 PM	0.0	201.7	283.7	223.9
09/05/2023 12:00 AM	0.0	201.7	283.7	223.9
09/05/2023 01:00 AM	0.0	201.8	283.7	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/05/2023 02:00 AM	0.0	201.8	283.7	223.9
09/05/2023 03:00 AM	0.0	201.9	283.7	223.9
09/05/2023 04:00 AM	0.0	201.9	283.8	223.9
09/05/2023 05:00 AM	0.0	201.9	283.8	223.9
09/05/2023 06:00 AM	0.0	201.9	283.8	223.9
09/05/2023 07:00 AM	0.0	201.9	283.8	223.9
09/05/2023 08:00 AM	198.7	201.9	283.8	223.9
09/05/2023 09:00 AM	209.7	201.9	283.9	223.9
09/05/2023 10:00 AM	209.8	201.9	284.1	223.9
09/05/2023 11:00 AM	209.9	201.9	284.1	223.9
09/05/2023 12:00 PM	210.0	201.9	284.2	223.9
09/05/2023 01:00 PM	210.0	201.9	284.2	223.9
09/05/2023 02:00 PM	10.5	202.7	284.2	223.9
09/05/2023 03:00 PM	0.0	202.3	284.2	223.9
09/05/2023 04:00 PM	0.0	202.2	284.1	223.9
09/05/2023 05:00 PM	0.0	202.1	284.0	223.9
09/05/2023 06:00 PM	0.0	202.0	284.0	223.9
09/05/2023 07:00 PM	0.0	202.0	283.9	223.9
09/05/2023 08:00 PM	0.0	201.9	283.9	223.9
09/05/2023 09:00 PM	0.0	201.9	283.9	223.9
09/05/2023 10:00 PM	0.0	201.9	283.8	223.9
09/05/2023 11:00 PM	0.0	201.9	283.8	223.9
09/06/2023 12:00 AM	0.0	201.9	283.8	223.9
09/06/2023 01:00 AM	0.0	201.9	283.9	223.9
09/06/2023 02:00 AM	0.0	202.0	283.9	223.9
09/06/2023 03:00 AM	0.0	202.1	283.9	223.9
09/06/2023 04:00 AM	0.0	202.1	284.0	223.9
09/06/2023 05:00 AM	0.0	202.2	284.0	223.9
09/06/2023 06:00 AM	0.0	202.2	284.0	223.9
09/06/2023 07:00 AM	0.0	202.3	284.1	223.9
09/06/2023 08:00 AM	0.0	202.3	284.1	223.9
09/06/2023 09:00 AM	0.0	202.3	284.1	223.9
09/06/2023 10:00 AM	0.0	202.3	284.1	223.9
09/06/2023 11:00 AM	0.0	202.3	284.1	223.9
09/06/2023 12:00 PM	0.0	202.2	284.1	223.9
09/06/2023 01:00 PM	0.0	202.2	284.1	223.9
09/06/2023 02:00 PM	0.0	202.1	284.1	223.9
09/06/2023 03:00 PM	0.0	202.1	284.1	223.9
09/06/2023 04:00 PM	0.0	202.1	284.1	223.9
09/06/2023 05:00 PM	0.0	202.0	284.1	223.9
09/06/2023 06:00 PM	0.0	202.0	284.1	223.9
09/06/2023 07:00 PM	0.0	202.0	284.0	223.9
09/06/2023 08:00 PM	0.0	202.0	284.0	223.9
09/06/2023 09:00 PM	0.0	201.9	284.0	223.9
09/06/2023 10:00 PM	0.0	201.9	283.9	223.9
09/06/2023 11:00 PM	0.0	201.9	283.9	223.9
09/07/2023 12:00 AM	0.0	201.9	284.0	223.9
09/07/2023 01:00 AM	0.0	202.0	283.9	223.9
09/07/2023 02:00 AM	0.0	202.0	284.0	223.9

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/07/2023 03:00 AM	0.0	202.1	284.0	223.9
09/07/2023 04:00 AM	0.0	202.1	284.0	223.9
09/07/2023 05:00 AM	0.0	202.1	284.1	223.9
09/07/2023 06:00 AM	0.0	202.1	284.1	223.9
09/07/2023 07:00 AM	0.0	202.1	156.3	229.1
09/07/2023 08:00 AM	0.0	201.9	0.0	225.2
09/07/2023 09:00 AM	0.0	201.6	0.0	224.5
09/07/2023 10:00 AM	0.0	201.3	0.0	224.1
09/07/2023 11:00 AM	0.0	201.1	0.0	223.9
09/07/2023 12:00 PM	107.4	200.9	103.5	223.7
09/07/2023 01:00 PM	208.6	200.9	281.6	223.7
09/07/2023 02:00 PM	10.5	201.7	282.5	223.7
09/07/2023 03:00 PM	0.0	201.5	282.8	223.7
09/07/2023 04:00 PM	0.0	201.5	282.9	223.7
09/07/2023 05:00 PM	0.0	201.6	283.0	223.7
09/07/2023 06:00 PM	0.0	201.6	283.1	223.7
09/07/2023 07:00 PM	0.0	201.6	283.1	223.7
09/07/2023 08:00 PM	0.0	201.6	283.1	223.7
09/07/2023 09:00 PM	0.0	201.7	283.2	223.7
09/07/2023 10:00 PM	0.0	201.7	283.2	223.7
09/07/2023 11:00 PM	0.0	201.7	283.2	223.7
09/08/2023 12:00 AM	0.0	201.7	283.2	223.7
09/08/2023 01:00 AM	0.0	201.8	283.3	223.7
09/08/2023 02:00 AM	0.0	201.9	283.3	223.7
09/08/2023 03:00 AM	0.0	202.0	283.4	223.7
09/08/2023 04:00 AM	0.0	202.0	283.4	223.7
09/08/2023 05:00 AM	0.0	202.1	283.5	223.7
09/08/2023 06:00 AM	0.0	202.1	283.5	223.7
09/08/2023 07:00 AM	0.0	202.2	283.6	223.7
09/08/2023 08:00 AM	0.0	202.2	283.6	223.7
09/08/2023 09:00 AM	0.0	202.2	283.6	223.7
09/08/2023 10:00 AM	0.0	202.2	283.6	223.7
09/08/2023 11:00 AM	0.0	202.2	283.6	223.7
09/08/2023 12:00 PM	0.0	202.1	283.6	223.7
09/08/2023 01:00 PM	0.0	202.1	283.6	223.7
09/08/2023 02:00 PM	0.0	202.0	283.6	223.7
09/08/2023 03:00 PM	0.0	202.0	283.6	223.7
09/08/2023 04:00 PM	0.0	201.9	283.6	223.7
09/08/2023 05:00 PM	0.0	201.9	283.5	223.7
09/08/2023 06:00 PM	0.0	201.9	283.5	223.7
09/08/2023 07:00 PM	0.0	201.9	283.5	223.7
09/08/2023 08:00 PM	0.0	201.9	283.5	223.7
09/08/2023 09:00 PM	0.0	201.9	283.5	223.7
09/08/2023 10:00 PM	0.0	201.9	283.5	223.7
09/08/2023 11:00 PM	0.0	201.9	283.5	223.7
09/09/2023 12:00 AM	0.0	201.9	283.5	223.7
09/09/2023 01:00 AM	0.0	201.9	283.5	223.7
09/09/2023 02:00 AM	0.0	201.9	283.5	223.7
09/09/2023 03:00 AM	0.0	201.8	283.5	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/09/2023 04:00 AM	0.0	201.8	283.5	223.7
09/09/2023 05:00 AM	0.0	201.8	283.5	223.7
09/09/2023 06:00 AM	0.0	201.8	283.5	223.7
09/09/2023 07:00 AM	0.0	201.8	283.5	223.7
09/09/2023 08:00 AM	0.0	201.8	283.5	223.7
09/09/2023 09:00 AM	0.0	201.8	283.5	223.7
09/09/2023 10:00 AM	0.0	201.8	283.6	223.7
09/09/2023 11:00 AM	0.0	201.8	283.5	223.7
09/09/2023 12:00 PM	0.0	201.8	283.5	223.7
09/09/2023 01:00 PM	0.0	201.8	283.5	223.7
09/09/2023 02:00 PM	0.0	201.7	283.5	223.7
09/09/2023 03:00 PM	0.0	201.7	283.5	223.7
09/09/2023 04:00 PM	0.0	201.7	283.5	223.7
09/09/2023 05:00 PM	0.0	201.7	283.5	223.7
09/09/2023 06:00 PM	0.0	201.7	283.5	223.7
09/09/2023 07:00 PM	0.0	201.7	283.5	223.7
09/09/2023 08:00 PM	0.0	201.7	283.5	223.7
09/09/2023 09:00 PM	0.0	201.7	283.5	223.7
09/09/2023 10:00 PM	0.0	201.7	283.5	223.7
09/09/2023 11:00 PM	0.0	201.7	283.5	223.7
09/10/2023 12:00 AM	0.0	201.7	283.5	223.7
09/10/2023 01:00 AM	0.0	201.7	283.5	223.7
09/10/2023 02:00 AM	0.0	201.7	283.5	223.7
09/10/2023 03:00 AM	0.0	201.7	283.5	223.7
09/10/2023 04:00 AM	0.0	201.7	283.5	223.7
09/10/2023 05:00 AM	0.0	201.7	283.5	223.7
09/10/2023 06:00 AM	0.0	201.7	283.5	223.7
09/10/2023 07:00 AM	0.0	201.7	283.5	223.7
09/10/2023 08:00 AM	0.0	201.8	283.5	223.7
09/10/2023 09:00 AM	0.0	201.8	283.6	223.7
09/10/2023 10:00 AM	0.0	201.8	283.6	223.7
09/10/2023 11:00 AM	0.0	201.8	283.6	223.7
09/10/2023 12:00 PM	0.0	201.8	283.6	223.7
09/10/2023 01:00 PM	0.0	201.7	283.6	223.7
09/10/2023 02:00 PM	0.0	201.7	283.5	223.7
09/10/2023 03:00 PM	0.0	201.7	283.6	223.7
09/10/2023 04:00 PM	0.0	201.7	283.5	223.7
09/10/2023 05:00 PM	0.0	201.6	283.5	223.7
09/10/2023 06:00 PM	0.0	201.6	283.5	223.7
09/10/2023 07:00 PM	0.0	201.6	283.5	223.7
09/10/2023 08:00 PM	0.0	201.6	283.5	223.7
09/10/2023 09:00 PM	0.0	201.6	283.5	223.7
09/10/2023 10:00 PM	0.0	201.7	283.5	223.7
09/10/2023 11:00 PM	0.0	201.6	283.5	223.7
09/11/2023 12:00 AM	0.0	201.6	283.5	223.7
09/11/2023 01:00 AM	0.0	201.6	283.5	223.7
09/11/2023 02:00 AM	0.0	201.6	283.5	223.7
09/11/2023 03:00 AM	0.0	201.6	283.5	223.7
09/11/2023 04:00 AM	0.0	201.6	283.5	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/11/2023 05:00 AM	0.0	201.6	283.5	223.7
09/11/2023 06:00 AM	0.0	201.6	283.5	223.7
09/11/2023 07:00 AM	0.0	201.6	283.5	223.7
09/11/2023 08:00 AM	0.0	201.7	283.5	223.7
09/11/2023 09:00 AM	0.0	201.7	283.6	223.7
09/11/2023 10:00 AM	0.0	201.8	283.6	223.7
09/11/2023 11:00 AM	0.0	201.9	283.7	223.7
09/11/2023 12:00 PM	0.0	201.9	283.7	223.7
09/11/2023 01:00 PM	0.0	202.0	283.7	223.7
09/11/2023 02:00 PM	0.0	202.0	283.7	223.7
09/11/2023 03:00 PM	0.0	202.0	283.7	223.7
09/11/2023 04:00 PM	0.0	201.9	283.7	223.7
09/11/2023 05:00 PM	0.0	201.9	283.7	223.7
09/11/2023 06:00 PM	0.0	201.8	283.6	223.7
09/11/2023 07:00 PM	0.0	201.8	283.6	223.7
09/11/2023 08:00 PM	0.0	201.8	283.6	223.7
09/11/2023 09:00 PM	0.0	201.8	283.6	223.7
09/11/2023 10:00 PM	0.0	201.8	283.6	223.7
09/11/2023 11:00 PM	0.0	201.8	283.6	223.7
09/12/2023 12:00 AM	0.0	201.8	283.6	223.7
09/12/2023 01:00 AM	0.0	201.8	283.6	223.7
09/12/2023 02:00 AM	0.0	201.9	283.6	223.7
09/12/2023 03:00 AM	0.0	201.9	283.7	223.7
09/12/2023 04:00 AM	0.0	202.0	283.7	223.7
09/12/2023 05:00 AM	0.0	202.0	283.7	223.7
09/12/2023 06:00 AM	0.0	202.1	283.8	223.7
09/12/2023 07:00 AM	0.0	202.1	283.8	223.7
09/12/2023 08:00 AM	198.9	202.2	283.9	223.7
09/12/2023 09:00 AM	209.9	202.2	284.0	223.7
09/12/2023 10:00 AM	210.1	202.2	284.1	223.7
09/12/2023 11:00 AM	210.2	202.2	284.2	223.7
09/12/2023 12:00 PM	210.3	202.2	284.2	223.7
09/12/2023 01:00 PM	210.3	202.2	284.2	223.7
09/12/2023 02:00 PM	10.5	203.0	284.2	223.7
09/12/2023 03:00 PM	0.0	202.5	284.1	223.7
09/12/2023 04:00 PM	0.0	202.4	284.0	223.7
09/12/2023 05:00 PM	0.0	202.2	283.9	223.7
09/12/2023 06:00 PM	0.0	202.2	283.8	223.7
09/12/2023 07:00 PM	0.0	202.1	283.8	223.7
09/12/2023 08:00 PM	0.0	202.1	283.8	223.7
09/12/2023 09:00 PM	0.0	202.1	283.8	223.7
09/12/2023 10:00 PM	0.0	202.0	283.8	223.7
09/12/2023 11:00 PM	0.0	202.0	283.8	223.7
09/13/2023 12:00 AM	0.0	202.0	283.7	223.7
09/13/2023 01:00 AM	0.0	202.1	283.8	223.7
09/13/2023 02:00 AM	0.0	202.1	283.8	223.7
09/13/2023 03:00 AM	0.0	202.2	283.8	223.7
09/13/2023 04:00 AM	0.0	202.2	283.8	223.7
09/13/2023 05:00 AM	0.0	202.2	283.8	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/13/2023 06:00 AM	0.0	202.3	283.9	223.7
09/13/2023 07:00 AM	0.0	202.3	283.9	223.7
09/13/2023 08:00 AM	0.0	202.3	283.9	223.7
09/13/2023 09:00 AM	0.0	202.3	283.9	223.7
09/13/2023 10:00 AM	0.0	202.3	283.9	223.7
09/13/2023 11:00 AM	0.0	202.3	283.9	223.7
09/13/2023 12:00 PM	0.0	202.2	283.9	223.7
09/13/2023 01:00 PM	0.0	202.2	283.8	223.7
09/13/2023 02:00 PM	0.0	202.1	283.8	223.7
09/13/2023 03:00 PM	0.0	202.1	283.8	223.7
09/13/2023 04:00 PM	0.0	202.0	283.7	223.7
09/13/2023 05:00 PM	0.0	202.0	283.7	223.7
09/13/2023 06:00 PM	0.0	201.9	283.6	223.7
09/13/2023 07:00 PM	0.0	201.9	283.6	223.7
09/13/2023 08:00 PM	0.0	201.9	283.6	223.7
09/13/2023 09:00 PM	0.0	201.9	283.7	223.7
09/13/2023 10:00 PM	0.0	201.9	283.7	223.7
09/13/2023 11:00 PM	0.0	201.9	283.7	223.7
09/14/2023 12:00 AM	0.0	201.9	283.7	223.7
09/14/2023 01:00 AM	0.0	201.9	283.6	223.7
09/14/2023 02:00 AM	0.0	201.9	283.6	223.7
09/14/2023 03:00 AM	0.0	201.8	283.6	223.7
09/14/2023 04:00 AM	0.0	201.8	283.6	223.7
09/14/2023 05:00 AM	0.0	201.8	283.6	223.7
09/14/2023 06:00 AM	0.0	201.8	283.6	223.7
09/14/2023 07:00 AM	0.0	201.8	283.6	223.7
09/14/2023 08:00 AM	198.5	201.8	283.6	223.7
09/14/2023 09:00 AM	209.6	201.8	283.7	223.7
09/14/2023 10:00 AM	209.7	201.8	283.8	223.7
09/14/2023 11:00 AM	209.8	201.8	283.9	223.7
09/14/2023 12:00 PM	209.9	201.8	284.0	223.7
09/14/2023 01:00 PM	210.0	201.8	284.0	223.7
09/14/2023 02:00 PM	10.5	202.6	284.0	223.7
09/14/2023 03:00 PM	0.0	202.2	283.9	223.7
09/14/2023 04:00 PM	0.0	202.1	283.9	223.7
09/14/2023 05:00 PM	0.0	202.0	283.8	223.7
09/14/2023 06:00 PM	0.0	201.9	283.7	223.7
09/14/2023 07:00 PM	0.0	201.9	283.7	223.7
09/14/2023 08:00 PM	0.0	201.9	283.7	223.7
09/14/2023 09:00 PM	0.0	201.8	283.7	223.7
09/14/2023 10:00 PM	0.0	201.8	283.7	223.7
09/14/2023 11:00 PM	0.0	201.8	283.7	223.7
09/15/2023 12:00 AM	0.0	201.8	283.7	223.7
09/15/2023 01:00 AM	0.0	201.8	283.6	223.7
09/15/2023 02:00 AM	0.0	201.8	283.6	223.7
09/15/2023 03:00 AM	0.0	201.7	283.6	223.7
09/15/2023 04:00 AM	0.0	201.7	283.6	223.7
09/15/2023 05:00 AM	0.0	201.7	283.6	223.7
09/15/2023 06:00 AM	0.0	201.7	283.6	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/15/2023 07:00 AM	0.0	201.7	283.6	223.7
09/15/2023 08:00 AM	0.0	201.7	283.5	223.7
09/15/2023 09:00 AM	0.0	201.7	283.6	223.7
09/15/2023 10:00 AM	0.0	201.7	283.6	223.7
09/15/2023 11:00 AM	0.0	201.7	283.6	223.7
09/15/2023 12:00 PM	0.0	201.7	283.6	223.7
09/15/2023 01:00 PM	0.0	201.7	283.6	223.7
09/15/2023 02:00 PM	0.0	201.7	283.6	223.7
09/15/2023 03:00 PM	0.0	201.6	283.6	223.7
09/15/2023 04:00 PM	0.0	201.6	283.6	223.7
09/15/2023 05:00 PM	0.0	201.6	283.6	223.7
09/15/2023 06:00 PM	0.0	201.6	283.6	223.7
09/15/2023 07:00 PM	0.0	201.6	283.6	223.7
09/15/2023 08:00 PM	0.0	201.6	283.6	223.7
09/15/2023 09:00 PM	0.0	201.6	283.6	223.7
09/15/2023 10:00 PM	0.0	201.6	283.6	223.7
09/15/2023 11:00 PM	0.0	201.6	283.6	223.7
09/16/2023 12:00 AM	0.0	201.6	283.6	223.7
09/16/2023 01:00 AM	0.0	201.6	283.6	223.7
09/16/2023 02:00 AM	0.0	201.6	283.6	223.7
09/16/2023 03:00 AM	0.0	201.6	283.6	223.7
09/16/2023 04:00 AM	0.0	201.6	283.6	223.7
09/16/2023 05:00 AM	0.0	201.6	283.6	223.7
09/16/2023 06:00 AM	0.0	201.6	283.6	223.7
09/16/2023 07:00 AM	0.0	201.6	283.6	223.7
09/16/2023 08:00 AM	0.0	201.6	283.6	223.7
09/16/2023 09:00 AM	0.0	201.6	283.6	223.7
09/16/2023 10:00 AM	0.0	201.6	283.6	223.7
09/16/2023 11:00 AM	0.0	201.6	283.6	223.7
09/16/2023 12:00 PM	0.0	201.6	283.6	223.7
09/16/2023 01:00 PM	0.0	201.6	283.6	223.7
09/16/2023 02:00 PM	0.0	201.6	283.7	223.7
09/16/2023 03:00 PM	0.0	201.6	283.6	223.7
09/16/2023 04:00 PM	0.0	201.6	283.6	223.7
09/16/2023 05:00 PM	0.0	201.5	283.6	223.7
09/16/2023 06:00 PM	0.0	201.5	283.6	223.7
09/16/2023 07:00 PM	0.0	201.5	283.6	223.7
09/16/2023 08:00 PM	0.0	201.5	283.6	223.7
09/16/2023 09:00 PM	0.0	201.6	283.6	223.7
09/16/2023 10:00 PM	0.0	201.6	283.6	223.7
09/16/2023 11:00 PM	0.0	201.6	283.7	223.7
09/17/2023 12:00 AM	0.0	201.6	283.7	223.7
09/17/2023 01:00 AM	0.0	201.6	283.7	223.7
09/17/2023 02:00 AM	0.0	201.6	283.7	223.7
09/17/2023 03:00 AM	0.0	201.6	283.7	223.7
09/17/2023 04:00 AM	0.0	201.6	283.6	223.7
09/17/2023 05:00 AM	0.0	201.6	283.6	223.7
09/17/2023 06:00 AM	0.0	201.6	283.7	223.7
09/17/2023 07:00 AM	0.0	201.6	283.6	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/17/2023 08:00 AM	0.0	201.6	283.6	223.7
09/17/2023 09:00 AM	0.0	201.6	283.6	223.7
09/17/2023 10:00 AM	0.0	201.6	283.6	223.7
09/17/2023 11:00 AM	0.0	201.6	283.7	223.7
09/17/2023 12:00 PM	0.0	201.6	283.7	223.7
09/17/2023 01:00 PM	0.0	201.6	283.7	223.7
09/17/2023 02:00 PM	0.0	201.6	283.7	223.7
09/17/2023 03:00 PM	0.0	201.6	283.7	223.7
09/17/2023 04:00 PM	0.0	201.5	283.6	223.7
09/17/2023 05:00 PM	0.0	201.5	283.7	223.7
09/17/2023 06:00 PM	0.0	201.5	283.6	223.7
09/17/2023 07:00 PM	0.0	201.5	283.6	223.7
09/17/2023 08:00 PM	0.0	201.5	283.6	223.7
09/17/2023 09:00 PM	0.0	201.5	283.6	223.7
09/17/2023 10:00 PM	0.0	201.5	283.7	223.7
09/17/2023 11:00 PM	0.0	201.6	283.7	223.7
09/18/2023 12:00 AM	0.0	201.6	283.7	223.7
09/18/2023 01:00 AM	0.0	201.6	283.7	223.7
09/18/2023 02:00 AM	0.0	201.7	283.7	223.7
09/18/2023 03:00 AM	0.0	201.8	283.7	223.7
09/18/2023 04:00 AM	0.0	201.8	283.8	223.7
09/18/2023 05:00 AM	0.0	201.8	283.8	223.7
09/18/2023 06:00 AM	0.0	201.9	283.8	223.7
09/18/2023 07:00 AM	0.0	201.9	283.8	223.7
09/18/2023 08:00 AM	0.0	201.9	283.8	223.7
09/18/2023 09:00 AM	0.0	201.9	283.8	223.7
09/18/2023 10:00 AM	0.0	201.9	283.8	223.7
09/18/2023 11:00 AM	0.0	201.9	283.8	223.7
09/18/2023 12:00 PM	0.0	201.8	283.8	223.7
09/18/2023 01:00 PM	0.0	201.8	283.8	223.7
09/18/2023 02:00 PM	0.0	201.8	283.8	223.7
09/18/2023 03:00 PM	0.0	201.7	283.8	223.7
09/18/2023 04:00 PM	0.0	201.7	283.8	223.7
09/18/2023 05:00 PM	0.0	201.6	283.8	223.7
09/18/2023 06:00 PM	0.0	201.6	283.8	223.7
09/18/2023 07:00 PM	0.0	201.6	283.8	223.7
09/18/2023 08:00 PM	0.0	201.6	283.7	223.7
09/18/2023 09:00 PM	0.0	201.6	283.7	223.7
09/18/2023 10:00 PM	0.0	201.6	283.7	223.7
09/18/2023 11:00 PM	0.0	201.6	283.7	223.7
09/19/2023 12:00 AM	0.0	201.6	283.7	223.7
09/19/2023 01:00 AM	0.0	201.6	283.7	223.7
09/19/2023 02:00 AM	0.0	201.7	283.7	223.7
09/19/2023 03:00 AM	0.0	201.7	283.8	223.7
09/19/2023 04:00 AM	0.0	201.7	283.8	223.7
09/19/2023 05:00 AM	0.0	201.7	283.7	223.7
09/19/2023 06:00 AM	0.0	201.7	283.8	223.7
09/19/2023 07:00 AM	0.0	201.7	283.7	223.7
09/19/2023 08:00 AM	198.5	201.7	283.8	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/19/2023 09:00 AM	209.5	201.7	283.8	223.7
09/19/2023 10:00 AM	209.6	201.7	284.0	223.7
09/19/2023 11:00 AM	209.7	201.7	284.0	223.7
09/19/2023 12:00 PM	209.8	201.7	284.1	223.7
09/19/2023 01:00 PM	209.8	201.7	284.1	223.7
09/19/2023 02:00 PM	10.5	202.5	284.1	223.7
09/19/2023 03:00 PM	0.0	202.0	284.0	223.7
09/19/2023 04:00 PM	0.0	201.9	284.0	223.7
09/19/2023 05:00 PM	0.0	201.8	283.9	223.7
09/19/2023 06:00 PM	0.0	201.7	283.8	223.7
09/19/2023 07:00 PM	0.0	201.7	283.8	223.7
09/19/2023 08:00 PM	0.0	201.6	283.7	223.7
09/19/2023 09:00 PM	0.0	201.6	283.7	223.7
09/19/2023 10:00 PM	0.0	201.6	283.7	223.7
09/19/2023 11:00 PM	0.0	201.6	283.7	223.7
09/20/2023 12:00 AM	0.0	201.6	283.7	223.7
09/20/2023 01:00 AM	0.0	201.6	283.8	223.7
09/20/2023 02:00 AM	0.0	201.7	283.8	223.7
09/20/2023 03:00 AM	0.0	201.8	283.8	223.7
09/20/2023 04:00 AM	0.0	201.8	283.8	223.7
09/20/2023 05:00 AM	0.0	201.8	283.9	223.7
09/20/2023 06:00 AM	0.0	201.9	283.9	223.7
09/20/2023 07:00 AM	0.0	201.9	283.9	223.7
09/20/2023 08:00 AM	0.0	201.9	283.9	223.7
09/20/2023 09:00 AM	0.0	201.9	283.9	223.7
09/20/2023 10:00 AM	0.0	201.9	283.9	223.7
09/20/2023 11:00 AM	0.0	201.9	283.9	223.7
09/20/2023 12:00 PM	0.0	201.8	283.9	223.7
09/20/2023 01:00 PM	0.0	201.8	283.9	223.7
09/20/2023 02:00 PM	0.0	201.7	283.9	223.7
09/20/2023 03:00 PM	0.0	201.7	283.8	223.7
09/20/2023 04:00 PM	0.0	201.7	283.8	223.7
09/20/2023 05:00 PM	0.0	201.6	283.8	223.7
09/20/2023 06:00 PM	0.0	201.6	283.8	223.7
09/20/2023 07:00 PM	0.0	201.6	283.8	223.7
09/20/2023 08:00 PM	0.0	201.6	283.8	223.7
09/20/2023 09:00 PM	0.0	201.6	283.8	223.7
09/20/2023 10:00 PM	0.0	201.6	283.8	223.7
09/20/2023 11:00 PM	0.0	201.6	283.8	223.7
09/21/2023 12:00 AM	0.0	201.6	283.8	223.7
09/21/2023 01:00 AM	0.0	201.6	283.8	223.7
09/21/2023 02:00 AM	0.0	201.7	283.8	223.7
09/21/2023 03:00 AM	0.0	201.8	283.9	223.7
09/21/2023 04:00 AM	0.0	201.8	283.9	223.7
09/21/2023 05:00 AM	0.0	201.8	283.9	223.7
09/21/2023 06:00 AM	0.0	201.8	283.9	223.7
09/21/2023 07:00 AM	0.0	201.8	283.9	223.7
09/21/2023 08:00 AM	198.5	201.8	283.9	223.7
09/21/2023 09:00 AM	209.5	201.8	284.0	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/21/2023 10:00 AM	209.6	201.8	284.1	223.7
09/21/2023 11:00 AM	122.3	202.4	284.1	223.7
09/21/2023 12:00 PM	0.0	202.1	284.1	223.7
09/21/2023 01:00 PM	0.0	202.0	284.0	223.7
09/21/2023 02:00 PM	0.0	201.9	284.0	223.7
09/21/2023 03:00 PM	0.0	201.8	283.9	223.7
09/21/2023 04:00 PM	0.0	201.8	283.9	223.7
09/21/2023 05:00 PM	0.0	201.7	283.9	223.7
09/21/2023 06:00 PM	0.0	201.7	283.9	223.7
09/21/2023 07:00 PM	0.0	201.7	283.8	223.7
09/21/2023 08:00 PM	0.0	201.7	283.8	223.7
09/21/2023 09:00 PM	0.0	201.6	283.8	223.7
09/21/2023 10:00 PM	0.0	201.6	283.8	223.7
09/21/2023 11:00 PM	0.0	201.6	283.8	223.7
09/22/2023 12:00 AM	0.0	201.6	283.8	223.7
09/22/2023 01:00 AM	0.0	201.6	283.7	223.7
09/22/2023 02:00 AM	0.0	201.6	283.7	223.7
09/22/2023 03:00 AM	0.0	201.6	283.7	223.7
09/22/2023 04:00 AM	0.0	201.6	283.7	223.7
09/22/2023 05:00 AM	0.0	201.6	283.7	223.7
09/22/2023 06:00 AM	0.0	201.6	283.7	223.7
09/22/2023 07:00 AM	0.0	201.6	283.7	223.7
09/22/2023 08:00 AM	0.0	201.5	283.7	223.7
09/22/2023 09:00 AM	0.0	201.5	283.7	223.7
09/22/2023 10:00 AM	0.0	201.5	283.7	223.7
09/22/2023 11:00 AM	0.0	201.5	283.7	223.7
09/22/2023 12:00 PM	0.0	201.5	283.7	223.7
09/22/2023 01:00 PM	0.0	201.5	283.7	223.7
09/22/2023 02:00 PM	0.0	201.5	283.7	223.7
09/22/2023 03:00 PM	0.0	201.4	283.7	223.7
09/22/2023 04:00 PM	0.0	201.4	283.7	223.7
09/22/2023 05:00 PM	0.0	201.4	283.7	223.7
09/22/2023 06:00 PM	0.0	201.4	283.7	223.7
09/22/2023 07:00 PM	0.0	201.4	283.7	223.7
09/22/2023 08:00 PM	0.0	201.4	283.7	223.7
09/22/2023 09:00 PM	0.0	201.4	283.7	223.7
09/22/2023 10:00 PM	0.0	201.4	283.7	223.7
09/22/2023 11:00 PM	0.0	201.4	283.7	223.7
09/23/2023 12:00 AM	0.0	201.4	283.7	223.7
09/23/2023 01:00 AM	0.0	201.4	283.7	223.7
09/23/2023 02:00 AM	0.0	201.4	283.7	223.7
09/23/2023 03:00 AM	0.0	201.4	283.7	223.7
09/23/2023 04:00 AM	0.0	201.4	283.7	223.7
09/23/2023 05:00 AM	0.0	201.4	283.7	223.7
09/23/2023 06:00 AM	0.0	201.4	283.7	223.7
09/23/2023 07:00 AM	0.0	201.4	283.8	223.7
09/23/2023 08:00 AM	0.0	201.5	283.8	223.7
09/23/2023 09:00 AM	0.0	201.4	283.7	223.7
09/23/2023 10:00 AM	0.0	201.4	283.7	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/23/2023 11:00 AM	0.0	201.4	283.8	223.7
09/23/2023 12:00 PM	0.0	201.4	283.7	223.7
09/23/2023 01:00 PM	0.0	201.4	283.7	223.7
09/23/2023 02:00 PM	0.0	201.4	283.7	223.7
09/23/2023 03:00 PM	0.0	201.4	283.7	223.7
09/23/2023 04:00 PM	0.0	201.3	283.7	223.7
09/23/2023 05:00 PM	0.0	201.3	283.7	223.7
09/23/2023 06:00 PM	0.0	201.3	283.7	223.7
09/23/2023 07:00 PM	0.0	201.3	283.7	223.7
09/23/2023 08:00 PM	0.0	201.3	283.7	223.7
09/23/2023 09:00 PM	0.0	201.3	283.7	223.7
09/23/2023 10:00 PM	0.0	201.3	283.7	223.7
09/23/2023 11:00 PM	0.0	201.3	283.7	223.7
09/24/2023 12:00 AM	0.0	201.3	283.7	223.7
09/24/2023 01:00 AM	0.0	201.3	283.7	223.7
09/24/2023 02:00 AM	0.0	201.3	283.7	223.7
09/24/2023 03:00 AM	0.0	201.3	283.7	223.7
09/24/2023 04:00 AM	0.0	201.4	283.7	223.7
09/24/2023 05:00 AM	0.0	201.4	283.7	223.7
09/24/2023 06:00 AM	0.0	201.4	283.7	223.7
09/24/2023 07:00 AM	0.0	201.4	283.8	223.7
09/24/2023 08:00 AM	0.0	201.4	283.8	223.7
09/24/2023 09:00 AM	0.0	201.4	283.8	223.7
09/24/2023 10:00 AM	0.0	201.4	283.8	223.7
09/24/2023 11:00 AM	0.0	201.4	283.8	223.7
09/24/2023 12:00 PM	0.0	201.4	283.8	223.7
09/24/2023 01:00 PM	0.0	201.4	283.8	223.7
09/24/2023 02:00 PM	0.0	201.4	283.8	223.7
09/24/2023 03:00 PM	0.0	201.4	283.7	223.7
09/24/2023 04:00 PM	0.0	201.3	283.8	223.7
09/24/2023 05:00 PM	0.0	201.3	283.8	223.7
09/24/2023 06:00 PM	0.0	201.3	283.8	223.7
09/24/2023 07:00 PM	0.0	201.4	283.8	223.7
09/24/2023 08:00 PM	0.0	201.4	283.8	223.7
09/24/2023 09:00 PM	0.0	201.4	283.8	223.7
09/24/2023 10:00 PM	0.0	201.4	283.8	223.7
09/24/2023 11:00 PM	0.0	201.4	283.8	223.7
09/25/2023 12:00 AM	0.0	201.4	283.8	223.7
09/25/2023 01:00 AM	0.0	201.5	283.9	223.7
09/25/2023 02:00 AM	0.0	201.5	283.9	223.7
09/25/2023 03:00 AM	0.0	201.6	283.9	223.7
09/25/2023 04:00 AM	0.0	201.7	284.0	223.7
09/25/2023 05:00 AM	0.0	201.8	284.0	223.7
09/25/2023 06:00 AM	0.0	201.8	284.1	223.7
09/25/2023 07:00 AM	0.0	201.9	284.1	223.7
09/25/2023 08:00 AM	0.0	201.9	284.2	223.7
09/25/2023 09:00 AM	0.0	201.9	284.2	223.7
09/25/2023 10:00 AM	0.0	201.9	284.2	223.7
09/25/2023 11:00 AM	0.0	201.9	284.2	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/25/2023 12:00 PM	0.0	201.8	284.2	223.7
09/25/2023 01:00 PM	0.0	201.8	284.1	223.7
09/25/2023 02:00 PM	0.0	201.7	284.1	223.7
09/25/2023 03:00 PM	0.0	201.7	284.1	223.7
09/25/2023 04:00 PM	0.0	201.6	284.1	223.7
09/25/2023 05:00 PM	0.0	201.6	284.1	223.7
09/25/2023 06:00 PM	0.0	201.6	284.1	223.7
09/25/2023 07:00 PM	0.0	201.6	284.0	223.7
09/25/2023 08:00 PM	0.0	201.6	284.0	223.7
09/25/2023 09:00 PM	0.0	201.6	284.0	223.7
09/25/2023 10:00 PM	0.0	201.6	284.0	223.7
09/25/2023 11:00 PM	0.0	201.6	284.0	223.7
09/26/2023 12:00 AM	0.0	201.6	284.0	223.7
09/26/2023 01:00 AM	0.0	201.6	284.0	223.7
09/26/2023 02:00 AM	0.0	201.7	284.0	223.7
09/26/2023 03:00 AM	0.0	201.7	284.0	223.7
09/26/2023 04:00 AM	0.0	201.7	284.0	223.7
09/26/2023 05:00 AM	0.0	201.7	284.0	223.7
09/26/2023 06:00 AM	0.0	201.7	284.0	223.7
09/26/2023 07:00 AM	0.0	201.7	284.1	223.7
09/26/2023 08:00 AM	198.5	201.7	284.1	223.7
09/26/2023 09:00 AM	209.5	201.7	284.2	223.7
09/26/2023 10:00 AM	209.7	201.7	284.3	223.7
09/26/2023 11:00 AM	209.8	201.7	284.4	223.7
09/26/2023 12:00 PM	209.9	201.7	284.4	223.7
09/26/2023 01:00 PM	209.9	201.7	284.4	223.7
09/26/2023 02:00 PM	10.5	202.5	284.4	223.7
09/26/2023 03:00 PM	0.0	202.1	284.3	223.7
09/26/2023 04:00 PM	0.0	201.9	284.2	223.7
09/26/2023 05:00 PM	0.0	201.8	284.2	223.7
09/26/2023 06:00 PM	0.0	201.8	284.1	223.7
09/26/2023 07:00 PM	0.0	201.7	284.1	223.7
09/26/2023 08:00 PM	0.0	201.7	284.1	223.7
09/26/2023 09:00 PM	0.0	201.7	284.0	223.7
09/26/2023 10:00 PM	0.0	201.7	284.0	223.7
09/26/2023 11:00 PM	0.0	201.7	284.1	223.7
09/27/2023 12:00 AM	0.0	201.7	284.0	223.7
09/27/2023 01:00 AM	0.0	201.8	284.1	223.7
09/27/2023 02:00 AM	0.0	201.8	284.1	223.7
09/27/2023 03:00 AM	0.0	201.8	284.1	223.7
09/27/2023 04:00 AM	0.0	201.9	284.1	223.7
09/27/2023 05:00 AM	0.0	201.9	284.1	223.7
09/27/2023 06:00 AM	0.0	202.0	284.2	223.7
09/27/2023 07:00 AM	0.0	202.0	284.2	223.7
09/27/2023 08:00 AM	0.0	201.9	284.2	223.7
09/27/2023 09:00 AM	0.0	201.9	284.2	223.7
09/27/2023 10:00 AM	0.0	201.9	284.2	223.7
09/27/2023 11:00 AM	0.0	201.9	284.2	223.7
09/27/2023 12:00 PM	0.0	201.9	284.2	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/27/2023 01:00 PM	0.0	201.8	284.1	223.7
09/27/2023 02:00 PM	0.0	201.8	284.1	223.7
09/27/2023 03:00 PM	0.0	201.7	284.1	223.7
09/27/2023 04:00 PM	0.0	201.7	284.1	223.7
09/27/2023 05:00 PM	0.0	201.6	284.1	223.7
09/27/2023 06:00 PM	0.0	201.6	284.0	223.7
09/27/2023 07:00 PM	0.0	201.6	284.0	223.7
09/27/2023 08:00 PM	0.0	201.6	284.0	223.7
09/27/2023 09:00 PM	0.0	201.6	284.0	223.7
09/27/2023 10:00 PM	0.0	201.6	284.0	223.7
09/27/2023 11:00 PM	0.0	201.6	284.0	223.7
09/28/2023 12:00 AM	0.0	201.6	284.0	223.7
09/28/2023 01:00 AM	0.0	201.6	284.0	223.7
09/28/2023 02:00 AM	0.0	201.7	284.0	223.7
09/28/2023 03:00 AM	0.0	201.7	284.0	223.7
09/28/2023 04:00 AM	0.0	201.7	284.0	223.7
09/28/2023 05:00 AM	0.0	201.7	284.1	223.7
09/28/2023 06:00 AM	0.0	201.7	284.1	223.7
09/28/2023 07:00 AM	0.0	201.7	284.0	223.7
09/28/2023 08:00 AM	198.5	201.7	284.1	223.7
09/28/2023 09:00 AM	209.5	201.7	284.2	223.7
09/28/2023 10:00 AM	209.7	201.7	284.3	223.7
09/28/2023 11:00 AM	209.8	201.7	284.4	223.7
09/28/2023 12:00 PM	209.8	201.7	284.5	223.7
09/28/2023 01:00 PM	209.8	201.7	284.5	223.7
09/28/2023 02:00 PM	10.5	202.5	284.5	223.7
09/28/2023 03:00 PM	0.0	202.1	284.4	223.7
09/28/2023 04:00 PM	0.0	201.9	284.3	223.7
09/28/2023 05:00 PM	0.0	201.8	284.2	223.7
09/28/2023 06:00 PM	0.0	201.8	284.2	223.7
09/28/2023 07:00 PM	0.0	201.7	284.2	223.7
09/28/2023 08:00 PM	0.0	201.7	284.1	223.7
09/28/2023 09:00 PM	0.0	201.7	284.1	223.7
09/28/2023 10:00 PM	0.0	201.7	284.1	223.7
09/28/2023 11:00 PM	0.0	201.7	284.1	223.7
09/29/2023 12:00 AM	0.0	201.7	284.1	223.7
09/29/2023 01:00 AM	0.0	201.8	284.1	223.7
09/29/2023 02:00 AM	0.0	201.8	284.2	223.7
09/29/2023 03:00 AM	0.0	201.8	284.2	223.7
09/29/2023 04:00 AM	0.0	201.9	284.1	223.7
09/29/2023 05:00 AM	0.0	201.9	284.2	223.7
09/29/2023 06:00 AM	0.0	201.9	284.2	223.7
09/29/2023 07:00 AM	0.0	201.9	284.2	223.7
09/29/2023 08:00 AM	0.0	201.9	284.2	223.7
09/29/2023 09:00 AM	0.0	201.9	284.2	223.7
09/29/2023 10:00 AM	0.0	201.9	284.2	223.7
09/29/2023 11:00 AM	0.0	201.9	284.3	223.7
09/29/2023 12:00 PM	0.0	201.9	284.3	223.7
09/29/2023 01:00 PM	0.0	201.9	284.3	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
September 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
09/29/2023 02:00 PM	0.0	201.8	284.2	223.7
09/29/2023 03:00 PM	0.0	201.8	284.2	223.7
09/29/2023 04:00 PM	0.0	201.7	284.2	223.7
09/29/2023 05:00 PM	0.0	201.7	284.1	223.7
09/29/2023 06:00 PM	0.0	201.6	284.1	223.7
09/29/2023 07:00 PM	0.0	201.6	284.1	223.7
09/29/2023 08:00 PM	0.0	201.6	284.1	223.7
09/29/2023 09:00 PM	0.0	201.6	284.1	223.7
09/29/2023 10:00 PM	0.0	201.6	284.1	223.7
09/29/2023 11:00 PM	0.0	201.6	284.1	223.7
09/30/2023 12:00 AM	0.0	201.7	284.1	223.7
09/30/2023 01:00 AM	0.0	201.7	284.1	223.7
09/30/2023 02:00 AM	0.0	201.7	284.1	223.7
09/30/2023 03:00 AM	0.0	201.6	284.1	223.7
09/30/2023 04:00 AM	0.0	201.6	284.1	223.7
09/30/2023 05:00 AM	0.0	201.6	284.1	223.7
09/30/2023 06:00 AM	0.0	201.6	284.1	223.7
09/30/2023 07:00 AM	0.0	201.6	284.1	223.7
09/30/2023 08:00 AM	0.0	201.6	284.1	223.7
09/30/2023 09:00 AM	0.0	201.6	284.0	223.7
09/30/2023 10:00 AM	0.0	201.6	284.1	223.7
09/30/2023 11:00 AM	0.0	201.6	284.1	223.7
09/30/2023 12:00 PM	0.0	201.6	284.1	223.7
09/30/2023 01:00 PM	0.0	201.6	284.1	223.7
09/30/2023 02:00 PM	0.0	201.6	284.1	223.7
09/30/2023 03:00 PM	0.0	201.5	284.1	223.7
09/30/2023 04:00 PM	0.0	201.5	284.1	223.7
09/30/2023 05:00 PM	0.0	201.5	284.0	223.7
09/30/2023 06:00 PM	0.0	201.5	284.0	223.7
09/30/2023 07:00 PM	0.0	201.5	284.0	223.7
09/30/2023 08:00 PM	0.0	201.5	284.0	223.7
09/30/2023 09:00 PM	0.0	201.5	284.0	223.7
09/30/2023 10:00 PM	0.0	201.5	284.0	223.7
09/30/2023 11:00 PM	0.0	201.5	284.0	223.7

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/01/2023 12:00 AM	0.0	0.0	0.0
09/01/2023 01:00 AM	0.0	0.0	0.0
09/01/2023 02:00 AM	0.0	0.0	0.0
09/01/2023 03:00 AM	0.0	0.0	0.0
09/01/2023 04:00 AM	0.0	0.0	0.0
09/01/2023 05:00 AM	0.0	0.0	0.0
09/01/2023 06:00 AM	0.0	0.0	0.0
09/01/2023 07:00 AM	0.0	0.0	0.0
09/01/2023 08:00 AM	0.0	0.0	0.0
09/01/2023 09:00 AM	0.0	0.0	0.0
09/01/2023 10:00 AM	0.0	0.0	0.0
09/01/2023 11:00 AM	0.0	0.0	0.0
09/01/2023 12:00 PM	0.0	0.0	0.0
09/01/2023 01:00 PM	0.0	0.0	0.0
09/01/2023 02:00 PM	0.0	0.0	0.0
09/01/2023 03:00 PM	0.0	0.0	0.0
09/01/2023 04:00 PM	0.0	0.0	0.0
09/01/2023 05:00 PM	0.0	0.0	0.0
09/01/2023 06:00 PM	0.0	0.0	0.0
09/01/2023 07:00 PM	0.0	0.0	0.0
09/01/2023 08:00 PM	0.0	0.0	0.0
09/01/2023 09:00 PM	0.0	0.0	0.0
09/01/2023 10:00 PM	0.0	0.0	0.0
09/01/2023 11:00 PM	0.0	0.0	0.0
09/02/2023 12:00 AM	0.0	0.0	0.0
09/02/2023 01:00 AM	0.0	0.0	0.0
09/02/2023 02:00 AM	0.0	0.0	0.0
09/02/2023 03:00 AM	0.0	0.0	0.0
09/02/2023 04:00 AM	0.0	0.0	0.0
09/02/2023 05:00 AM	0.0	0.0	0.0
09/02/2023 06:00 AM	0.0	0.0	0.0
09/02/2023 07:00 AM	0.0	0.0	0.0
09/02/2023 08:00 AM	0.0	0.0	0.0
09/02/2023 09:00 AM	0.0	0.0	0.0
09/02/2023 10:00 AM	0.0	0.0	0.0
09/02/2023 11:00 AM	0.0	0.0	0.0
09/02/2023 12:00 PM	0.0	0.0	0.0
09/02/2023 01:00 PM	0.0	0.0	0.0
09/02/2023 02:00 PM	0.0	0.0	0.0
09/02/2023 03:00 PM	0.0	0.0	0.0
09/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/02/2023 05:00 PM	0.0	0.0	0.0
09/02/2023 06:00 PM	0.0	0.0	0.0
09/02/2023 07:00 PM	0.0	0.0	0.0
09/02/2023 08:00 PM	0.0	0.0	0.0
09/02/2023 09:00 PM	0.0	0.0	0.0
09/02/2023 10:00 PM	0.0	0.0	0.0
09/02/2023 11:00 PM	0.0	0.0	0.0
09/03/2023 12:00 AM	0.0	0.0	0.0
09/03/2023 01:00 AM	0.0	0.0	0.0
09/03/2023 02:00 AM	0.0	0.0	0.0
09/03/2023 03:00 AM	0.0	0.0	0.0
09/03/2023 04:00 AM	0.0	0.0	0.0
09/03/2023 05:00 AM	0.0	0.0	0.0
09/03/2023 06:00 AM	0.0	0.0	0.0
09/03/2023 07:00 AM	0.0	0.0	0.0
09/03/2023 08:00 AM	0.0	0.0	0.0
09/03/2023 09:00 AM	0.0	0.0	0.0
09/03/2023 10:00 AM	0.0	0.0	0.0
09/03/2023 11:00 AM	0.0	0.0	0.0
09/03/2023 12:00 PM	0.0	0.0	0.0
09/03/2023 01:00 PM	0.0	0.0	0.0
09/03/2023 02:00 PM	0.0	0.0	0.0
09/03/2023 03:00 PM	0.0	0.0	0.0
09/03/2023 04:00 PM	0.0	0.0	0.0
09/03/2023 05:00 PM	0.0	0.0	0.0
09/03/2023 06:00 PM	0.0	0.0	0.0
09/03/2023 07:00 PM	0.0	0.0	0.0
09/03/2023 08:00 PM	0.0	0.0	0.0
09/03/2023 09:00 PM	0.0	0.0	0.0
09/03/2023 10:00 PM	0.0	0.0	0.0
09/03/2023 11:00 PM	0.0	0.0	0.0
09/04/2023 12:00 AM	0.0	0.0	0.0
09/04/2023 01:00 AM	0.0	0.0	0.0
09/04/2023 02:00 AM	0.0	0.0	0.0
09/04/2023 03:00 AM	0.0	0.0	0.0
09/04/2023 04:00 AM	0.0	0.0	0.0
09/04/2023 05:00 AM	0.0	0.0	0.0
09/04/2023 06:00 AM	0.0	0.0	0.0
09/04/2023 07:00 AM	0.0	0.0	0.0
09/04/2023 08:00 AM	0.0	0.0	0.0
09/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/04/2023 10:00 AM	0.0	0.0	0.0
09/04/2023 11:00 AM	0.0	0.0	0.0
09/04/2023 12:00 PM	0.0	0.0	0.0
09/04/2023 01:00 PM	0.0	0.0	0.0
09/04/2023 02:00 PM	0.0	0.0	0.0
09/04/2023 03:00 PM	0.0	0.0	0.0
09/04/2023 04:00 PM	0.0	0.0	0.0
09/04/2023 05:00 PM	0.0	0.0	0.0
09/04/2023 06:00 PM	0.0	0.0	0.0
09/04/2023 07:00 PM	0.0	0.0	0.0
09/04/2023 08:00 PM	0.0	0.0	0.0
09/04/2023 09:00 PM	0.0	0.0	0.0
09/04/2023 10:00 PM	0.0	0.0	0.0
09/04/2023 11:00 PM	0.0	0.0	0.0
09/05/2023 12:00 AM	0.0	0.0	0.0
09/05/2023 01:00 AM	0.0	0.0	0.0
09/05/2023 02:00 AM	0.0	0.0	0.0
09/05/2023 03:00 AM	0.0	0.0	0.0
09/05/2023 04:00 AM	0.0	0.0	0.0
09/05/2023 05:00 AM	0.0	0.0	0.0
09/05/2023 06:00 AM	0.0	0.0	0.0
09/05/2023 07:00 AM	0.0	0.0	0.0
09/05/2023 08:00 AM	1,676.9	0.0	1,569.2
09/05/2023 09:00 AM	1,652.8	1,627.0	1,636.1
09/05/2023 10:00 AM	1,629.3	1,618.6	1,624.5
09/05/2023 11:00 AM	1,624.3	1,610.6	1,616.8
09/05/2023 12:00 PM	1,613.7	1,601.6	1,607.5
09/05/2023 01:00 PM	1,606.1	1,584.4	1,595.2
09/05/2023 02:00 PM	1,590.6	0.0	79.5
09/05/2023 03:00 PM	0.0	0.0	0.0
09/05/2023 04:00 PM	0.0	0.0	0.0
09/05/2023 05:00 PM	0.0	0.0	0.0
09/05/2023 06:00 PM	0.0	0.0	0.0
09/05/2023 07:00 PM	0.0	0.0	0.0
09/05/2023 08:00 PM	0.0	0.0	0.0
09/05/2023 09:00 PM	0.0	0.0	0.0
09/05/2023 10:00 PM	0.0	0.0	0.0
09/05/2023 11:00 PM	0.0	0.0	0.0
09/06/2023 12:00 AM	0.0	0.0	0.0
09/06/2023 01:00 AM	0.0	0.0	0.0
09/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/06/2023 03:00 AM	0.0	0.0	0.0
09/06/2023 04:00 AM	0.0	0.0	0.0
09/06/2023 05:00 AM	0.0	0.0	0.0
09/06/2023 06:00 AM	0.0	0.0	0.0
09/06/2023 07:00 AM	0.0	0.0	0.0
09/06/2023 08:00 AM	0.0	0.0	0.0
09/06/2023 09:00 AM	0.0	0.0	0.0
09/06/2023 10:00 AM	0.0	0.0	0.0
09/06/2023 11:00 AM	0.0	0.0	0.0
09/06/2023 12:00 PM	0.0	0.0	0.0
09/06/2023 01:00 PM	0.0	0.0	0.0
09/06/2023 02:00 PM	0.0	0.0	0.0
09/06/2023 03:00 PM	0.0	0.0	0.0
09/06/2023 04:00 PM	0.0	0.0	0.0
09/06/2023 05:00 PM	0.0	0.0	0.0
09/06/2023 06:00 PM	0.0	0.0	0.0
09/06/2023 07:00 PM	0.0	0.0	0.0
09/06/2023 08:00 PM	0.0	0.0	0.0
09/06/2023 09:00 PM	0.0	0.0	0.0
09/06/2023 10:00 PM	0.0	0.0	0.0
09/06/2023 11:00 PM	0.0	0.0	0.0
09/07/2023 12:00 AM	0.0	0.0	0.0
09/07/2023 01:00 AM	0.0	0.0	0.0
09/07/2023 02:00 AM	0.0	0.0	0.0
09/07/2023 03:00 AM	0.0	0.0	0.0
09/07/2023 04:00 AM	0.0	0.0	0.0
09/07/2023 05:00 AM	0.0	0.0	0.0
09/07/2023 06:00 AM	0.0	0.0	0.0
09/07/2023 07:00 AM	0.0	0.0	0.0
09/07/2023 08:00 AM	0.0	0.0	0.0
09/07/2023 09:00 AM	0.0	0.0	0.0
09/07/2023 10:00 AM	0.0	0.0	0.0
09/07/2023 11:00 AM	0.0	0.0	0.0
09/07/2023 12:00 PM	1,956.8	0.0	923.3
09/07/2023 01:00 PM	1,656.7	1,632.4	1,647.4
09/07/2023 02:00 PM	1,634.7	0.0	81.8
09/07/2023 03:00 PM	0.0	0.0	0.0
09/07/2023 04:00 PM	0.0	0.0	0.0
09/07/2023 05:00 PM	0.0	0.0	0.0
09/07/2023 06:00 PM	0.0	0.0	0.0
09/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/07/2023 08:00 PM	0.0	0.0	0.0
09/07/2023 09:00 PM	0.0	0.0	0.0
09/07/2023 10:00 PM	0.0	0.0	0.0
09/07/2023 11:00 PM	0.0	0.0	0.0
09/08/2023 12:00 AM	0.0	0.0	0.0
09/08/2023 01:00 AM	0.0	0.0	0.0
09/08/2023 02:00 AM	0.0	0.0	0.0
09/08/2023 03:00 AM	0.0	0.0	0.0
09/08/2023 04:00 AM	0.0	0.0	0.0
09/08/2023 05:00 AM	0.0	0.0	0.0
09/08/2023 06:00 AM	0.0	0.0	0.0
09/08/2023 07:00 AM	0.0	0.0	0.0
09/08/2023 08:00 AM	0.0	0.0	0.0
09/08/2023 09:00 AM	0.0	0.0	0.0
09/08/2023 10:00 AM	0.0	0.0	0.0
09/08/2023 11:00 AM	0.0	0.0	0.0
09/08/2023 12:00 PM	0.0	0.0	0.0
09/08/2023 01:00 PM	0.0	0.0	0.0
09/08/2023 02:00 PM	0.0	0.0	0.0
09/08/2023 03:00 PM	0.0	0.0	0.0
09/08/2023 04:00 PM	0.0	0.0	0.0
09/08/2023 05:00 PM	0.0	0.0	0.0
09/08/2023 06:00 PM	0.0	0.0	0.0
09/08/2023 07:00 PM	0.0	0.0	0.0
09/08/2023 08:00 PM	0.0	0.0	0.0
09/08/2023 09:00 PM	0.0	0.0	0.0
09/08/2023 10:00 PM	0.0	0.0	0.0
09/08/2023 11:00 PM	0.0	0.0	0.0
09/09/2023 12:00 AM	0.0	0.0	0.0
09/09/2023 01:00 AM	0.0	0.0	0.0
09/09/2023 02:00 AM	0.0	0.0	0.0
09/09/2023 03:00 AM	0.0	0.0	0.0
09/09/2023 04:00 AM	0.0	0.0	0.0
09/09/2023 05:00 AM	0.0	0.0	0.0
09/09/2023 06:00 AM	0.0	0.0	0.0
09/09/2023 07:00 AM	0.0	0.0	0.0
09/09/2023 08:00 AM	0.0	0.0	0.0
09/09/2023 09:00 AM	0.0	0.0	0.0
09/09/2023 10:00 AM	0.0	0.0	0.0
09/09/2023 11:00 AM	0.0	0.0	0.0
09/09/2023 12:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/09/2023 01:00 PM	0.0	0.0	0.0
09/09/2023 02:00 PM	0.0	0.0	0.0
09/09/2023 03:00 PM	0.0	0.0	0.0
09/09/2023 04:00 PM	0.0	0.0	0.0
09/09/2023 05:00 PM	0.0	0.0	0.0
09/09/2023 06:00 PM	0.0	0.0	0.0
09/09/2023 07:00 PM	0.0	0.0	0.0
09/09/2023 08:00 PM	0.0	0.0	0.0
09/09/2023 09:00 PM	0.0	0.0	0.0
09/09/2023 10:00 PM	0.0	0.0	0.0
09/09/2023 11:00 PM	0.0	0.0	0.0
09/10/2023 12:00 AM	0.0	0.0	0.0
09/10/2023 01:00 AM	0.0	0.0	0.0
09/10/2023 02:00 AM	0.0	0.0	0.0
09/10/2023 03:00 AM	0.0	0.0	0.0
09/10/2023 04:00 AM	0.0	0.0	0.0
09/10/2023 05:00 AM	0.0	0.0	0.0
09/10/2023 06:00 AM	0.0	0.0	0.0
09/10/2023 07:00 AM	0.0	0.0	0.0
09/10/2023 08:00 AM	0.0	0.0	0.0
09/10/2023 09:00 AM	0.0	0.0	0.0
09/10/2023 10:00 AM	0.0	0.0	0.0
09/10/2023 11:00 AM	0.0	0.0	0.0
09/10/2023 12:00 PM	0.0	0.0	0.0
09/10/2023 01:00 PM	0.0	0.0	0.0
09/10/2023 02:00 PM	0.0	0.0	0.0
09/10/2023 03:00 PM	0.0	0.0	0.0
09/10/2023 04:00 PM	0.0	0.0	0.0
09/10/2023 05:00 PM	0.0	0.0	0.0
09/10/2023 06:00 PM	0.0	0.0	0.0
09/10/2023 07:00 PM	0.0	0.0	0.0
09/10/2023 08:00 PM	0.0	0.0	0.0
09/10/2023 09:00 PM	0.0	0.0	0.0
09/10/2023 10:00 PM	0.0	0.0	0.0
09/10/2023 11:00 PM	0.0	0.0	0.0
09/11/2023 12:00 AM	0.0	0.0	0.0
09/11/2023 01:00 AM	0.0	0.0	0.0
09/11/2023 02:00 AM	0.0	0.0	0.0
09/11/2023 03:00 AM	0.0	0.0	0.0
09/11/2023 04:00 AM	0.0	0.0	0.0
09/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/11/2023 06:00 AM	0.0	0.0	0.0
09/11/2023 07:00 AM	0.0	0.0	0.0
09/11/2023 08:00 AM	0.0	0.0	0.0
09/11/2023 09:00 AM	0.0	0.0	0.0
09/11/2023 10:00 AM	0.0	0.0	0.0
09/11/2023 11:00 AM	0.0	0.0	0.0
09/11/2023 12:00 PM	0.0	0.0	0.0
09/11/2023 01:00 PM	0.0	0.0	0.0
09/11/2023 02:00 PM	0.0	0.0	0.0
09/11/2023 03:00 PM	0.0	0.0	0.0
09/11/2023 04:00 PM	0.0	0.0	0.0
09/11/2023 05:00 PM	0.0	0.0	0.0
09/11/2023 06:00 PM	0.0	0.0	0.0
09/11/2023 07:00 PM	0.0	0.0	0.0
09/11/2023 08:00 PM	0.0	0.0	0.0
09/11/2023 09:00 PM	0.0	0.0	0.0
09/11/2023 10:00 PM	0.0	0.0	0.0
09/11/2023 11:00 PM	0.0	0.0	0.0
09/12/2023 12:00 AM	0.0	0.0	0.0
09/12/2023 01:00 AM	0.0	0.0	0.0
09/12/2023 02:00 AM	0.0	0.0	0.0
09/12/2023 03:00 AM	0.0	0.0	0.0
09/12/2023 04:00 AM	0.0	0.0	0.0
09/12/2023 05:00 AM	0.0	0.0	0.0
09/12/2023 06:00 AM	0.0	0.0	0.0
09/12/2023 07:00 AM	0.0	0.0	0.0
09/12/2023 08:00 AM	1,741.6	0.0	1,567.8
09/12/2023 09:00 AM	1,637.6	1,609.1	1,619.9
09/12/2023 10:00 AM	1,617.5	1,604.8	1,611.5
09/12/2023 11:00 AM	1,615.3	1,602.6	1,607.7
09/12/2023 12:00 PM	1,607.8	1,598.4	1,602.2
09/12/2023 01:00 PM	1,602.2	1,592.9	1,595.9
09/12/2023 02:00 PM	1,596.0	0.0	79.8
09/12/2023 03:00 PM	0.0	0.0	0.0
09/12/2023 04:00 PM	0.0	0.0	0.0
09/12/2023 05:00 PM	0.0	0.0	0.0
09/12/2023 06:00 PM	0.0	0.0	0.0
09/12/2023 07:00 PM	0.0	0.0	0.0
09/12/2023 08:00 PM	0.0	0.0	0.0
09/12/2023 09:00 PM	0.0	0.0	0.0
09/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/12/2023 11:00 PM	0.0	0.0	0.0
09/13/2023 12:00 AM	0.0	0.0	0.0
09/13/2023 01:00 AM	0.0	0.0	0.0
09/13/2023 02:00 AM	0.0	0.0	0.0
09/13/2023 03:00 AM	0.0	0.0	0.0
09/13/2023 04:00 AM	0.0	0.0	0.0
09/13/2023 05:00 AM	0.0	0.0	0.0
09/13/2023 06:00 AM	0.0	0.0	0.0
09/13/2023 07:00 AM	0.0	0.0	0.0
09/13/2023 08:00 AM	0.0	0.0	0.0
09/13/2023 09:00 AM	0.0	0.0	0.0
09/13/2023 10:00 AM	0.0	0.0	0.0
09/13/2023 11:00 AM	0.0	0.0	0.0
09/13/2023 12:00 PM	0.0	0.0	0.0
09/13/2023 01:00 PM	0.0	0.0	0.0
09/13/2023 02:00 PM	0.0	0.0	0.0
09/13/2023 03:00 PM	0.0	0.0	0.0
09/13/2023 04:00 PM	0.0	0.0	0.0
09/13/2023 05:00 PM	0.0	0.0	0.0
09/13/2023 06:00 PM	0.0	0.0	0.0
09/13/2023 07:00 PM	0.0	0.0	0.0
09/13/2023 08:00 PM	0.0	0.0	0.0
09/13/2023 09:00 PM	0.0	0.0	0.0
09/13/2023 10:00 PM	0.0	0.0	0.0
09/13/2023 11:00 PM	0.0	0.0	0.0
09/14/2023 12:00 AM	0.0	0.0	0.0
09/14/2023 01:00 AM	0.0	0.0	0.0
09/14/2023 02:00 AM	0.0	0.0	0.0
09/14/2023 03:00 AM	0.0	0.0	0.0
09/14/2023 04:00 AM	0.0	0.0	0.0
09/14/2023 05:00 AM	0.0	0.0	0.0
09/14/2023 06:00 AM	0.0	0.0	0.0
09/14/2023 07:00 AM	0.0	0.0	0.0
09/14/2023 08:00 AM	1,867.3	0.0	1,656.3
09/14/2023 09:00 AM	1,724.1	1,682.9	1,700.3
09/14/2023 10:00 AM	1,683.1	1,658.4	1,671.3
09/14/2023 11:00 AM	1,658.4	1,632.8	1,645.3
09/14/2023 12:00 PM	1,634.6	1,611.3	1,623.4
09/14/2023 01:00 PM	1,616.0	1,598.8	1,608.0
09/14/2023 02:00 PM	1,607.1	0.0	80.1
09/14/2023 03:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/14/2023 04:00 PM	0.0	0.0	0.0
09/14/2023 05:00 PM	0.0	0.0	0.0
09/14/2023 06:00 PM	0.0	0.0	0.0
09/14/2023 07:00 PM	0.0	0.0	0.0
09/14/2023 08:00 PM	0.0	0.0	0.0
09/14/2023 09:00 PM	0.0	0.0	0.0
09/14/2023 10:00 PM	0.0	0.0	0.0
09/14/2023 11:00 PM	0.0	0.0	0.0
09/15/2023 12:00 AM	0.0	0.0	0.0
09/15/2023 01:00 AM	0.0	0.0	0.0
09/15/2023 02:00 AM	0.0	0.0	0.0
09/15/2023 03:00 AM	0.0	0.0	0.0
09/15/2023 04:00 AM	0.0	0.0	0.0
09/15/2023 05:00 AM	0.0	0.0	0.0
09/15/2023 06:00 AM	0.0	0.0	0.0
09/15/2023 07:00 AM	0.0	0.0	0.0
09/15/2023 08:00 AM	0.0	0.0	0.0
09/15/2023 09:00 AM	0.0	0.0	0.0
09/15/2023 10:00 AM	0.0	0.0	0.0
09/15/2023 11:00 AM	0.0	0.0	0.0
09/15/2023 12:00 PM	0.0	0.0	0.0
09/15/2023 01:00 PM	0.0	0.0	0.0
09/15/2023 02:00 PM	0.0	0.0	0.0
09/15/2023 03:00 PM	0.0	0.0	0.0
09/15/2023 04:00 PM	0.0	0.0	0.0
09/15/2023 05:00 PM	0.0	0.0	0.0
09/15/2023 06:00 PM	0.0	0.0	0.0
09/15/2023 07:00 PM	0.0	0.0	0.0
09/15/2023 08:00 PM	0.0	0.0	0.0
09/15/2023 09:00 PM	0.0	0.0	0.0
09/15/2023 10:00 PM	0.0	0.0	0.0
09/15/2023 11:00 PM	0.0	0.0	0.0
09/16/2023 12:00 AM	0.0	0.0	0.0
09/16/2023 01:00 AM	0.0	0.0	0.0
09/16/2023 02:00 AM	0.0	0.0	0.0
09/16/2023 03:00 AM	0.0	0.0	0.0
09/16/2023 04:00 AM	0.0	0.0	0.0
09/16/2023 05:00 AM	0.0	0.0	0.0
09/16/2023 06:00 AM	0.0	0.0	0.0
09/16/2023 07:00 AM	0.0	0.0	0.0
09/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/16/2023 09:00 AM	0.0	0.0	0.0
09/16/2023 10:00 AM	0.0	0.0	0.0
09/16/2023 11:00 AM	0.0	0.0	0.0
09/16/2023 12:00 PM	0.0	0.0	0.0
09/16/2023 01:00 PM	0.0	0.0	0.0
09/16/2023 02:00 PM	0.0	0.0	0.0
09/16/2023 03:00 PM	0.0	0.0	0.0
09/16/2023 04:00 PM	0.0	0.0	0.0
09/16/2023 05:00 PM	0.0	0.0	0.0
09/16/2023 06:00 PM	0.0	0.0	0.0
09/16/2023 07:00 PM	0.0	0.0	0.0
09/16/2023 08:00 PM	0.0	0.0	0.0
09/16/2023 09:00 PM	0.0	0.0	0.0
09/16/2023 10:00 PM	0.0	0.0	0.0
09/16/2023 11:00 PM	0.0	0.0	0.0
09/17/2023 12:00 AM	0.0	0.0	0.0
09/17/2023 01:00 AM	0.0	0.0	0.0
09/17/2023 02:00 AM	0.0	0.0	0.0
09/17/2023 03:00 AM	0.0	0.0	0.0
09/17/2023 04:00 AM	0.0	0.0	0.0
09/17/2023 05:00 AM	0.0	0.0	0.0
09/17/2023 06:00 AM	0.0	0.0	0.0
09/17/2023 07:00 AM	0.0	0.0	0.0
09/17/2023 08:00 AM	0.0	0.0	0.0
09/17/2023 09:00 AM	0.0	0.0	0.0
09/17/2023 10:00 AM	0.0	0.0	0.0
09/17/2023 11:00 AM	0.0	0.0	0.0
09/17/2023 12:00 PM	0.0	0.0	0.0
09/17/2023 01:00 PM	0.0	0.0	0.0
09/17/2023 02:00 PM	0.0	0.0	0.0
09/17/2023 03:00 PM	0.0	0.0	0.0
09/17/2023 04:00 PM	0.0	0.0	0.0
09/17/2023 05:00 PM	0.0	0.0	0.0
09/17/2023 06:00 PM	0.0	0.0	0.0
09/17/2023 07:00 PM	0.0	0.0	0.0
09/17/2023 08:00 PM	0.0	0.0	0.0
09/17/2023 09:00 PM	0.0	0.0	0.0
09/17/2023 10:00 PM	0.0	0.0	0.0
09/17/2023 11:00 PM	0.0	0.0	0.0
09/18/2023 12:00 AM	0.0	0.0	0.0
09/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/18/2023 02:00 AM	0.0	0.0	0.0
09/18/2023 03:00 AM	0.0	0.0	0.0
09/18/2023 04:00 AM	0.0	0.0	0.0
09/18/2023 05:00 AM	0.0	0.0	0.0
09/18/2023 06:00 AM	0.0	0.0	0.0
09/18/2023 07:00 AM	0.0	0.0	0.0
09/18/2023 08:00 AM	0.0	0.0	0.0
09/18/2023 09:00 AM	0.0	0.0	0.0
09/18/2023 10:00 AM	0.0	0.0	0.0
09/18/2023 11:00 AM	0.0	0.0	0.0
09/18/2023 12:00 PM	0.0	0.0	0.0
09/18/2023 01:00 PM	0.0	0.0	0.0
09/18/2023 02:00 PM	0.0	0.0	0.0
09/18/2023 03:00 PM	0.0	0.0	0.0
09/18/2023 04:00 PM	0.0	0.0	0.0
09/18/2023 05:00 PM	0.0	0.0	0.0
09/18/2023 06:00 PM	0.0	0.0	0.0
09/18/2023 07:00 PM	0.0	0.0	0.0
09/18/2023 08:00 PM	0.0	0.0	0.0
09/18/2023 09:00 PM	0.0	0.0	0.0
09/18/2023 10:00 PM	0.0	0.0	0.0
09/18/2023 11:00 PM	0.0	0.0	0.0
09/19/2023 12:00 AM	0.0	0.0	0.0
09/19/2023 01:00 AM	0.0	0.0	0.0
09/19/2023 02:00 AM	0.0	0.0	0.0
09/19/2023 03:00 AM	0.0	0.0	0.0
09/19/2023 04:00 AM	0.0	0.0	0.0
09/19/2023 05:00 AM	0.0	0.0	0.0
09/19/2023 06:00 AM	0.0	0.0	0.0
09/19/2023 07:00 AM	0.0	0.0	0.0
09/19/2023 08:00 AM	1,999.7	0.0	1,670.8
09/19/2023 09:00 AM	1,716.3	1,679.4	1,694.2
09/19/2023 10:00 AM	1,681.3	1,663.8	1,671.4
09/19/2023 11:00 AM	1,666.2	1,651.5	1,659.5
09/19/2023 12:00 PM	1,654.7	1,636.6	1,645.4
09/19/2023 01:00 PM	1,662.9	1,625.9	1,642.2
09/19/2023 02:00 PM	1,657.1	0.0	82.9
09/19/2023 03:00 PM	0.0	0.0	0.0
09/19/2023 04:00 PM	0.0	0.0	0.0
09/19/2023 05:00 PM	0.0	0.0	0.0
09/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/19/2023 07:00 PM	0.0	0.0	0.0
09/19/2023 08:00 PM	0.0	0.0	0.0
09/19/2023 09:00 PM	0.0	0.0	0.0
09/19/2023 10:00 PM	0.0	0.0	0.0
09/19/2023 11:00 PM	0.0	0.0	0.0
09/20/2023 12:00 AM	0.0	0.0	0.0
09/20/2023 01:00 AM	0.0	0.0	0.0
09/20/2023 02:00 AM	0.0	0.0	0.0
09/20/2023 03:00 AM	0.0	0.0	0.0
09/20/2023 04:00 AM	0.0	0.0	0.0
09/20/2023 05:00 AM	0.0	0.0	0.0
09/20/2023 06:00 AM	0.0	0.0	0.0
09/20/2023 07:00 AM	0.0	0.0	0.0
09/20/2023 08:00 AM	0.0	0.0	0.0
09/20/2023 09:00 AM	0.0	0.0	0.0
09/20/2023 10:00 AM	0.0	0.0	0.0
09/20/2023 11:00 AM	0.0	0.0	0.0
09/20/2023 12:00 PM	0.0	0.0	0.0
09/20/2023 01:00 PM	0.0	0.0	0.0
09/20/2023 02:00 PM	0.0	0.0	0.0
09/20/2023 03:00 PM	0.0	0.0	0.0
09/20/2023 04:00 PM	0.0	0.0	0.0
09/20/2023 05:00 PM	0.0	0.0	0.0
09/20/2023 06:00 PM	0.0	0.0	0.0
09/20/2023 07:00 PM	0.0	0.0	0.0
09/20/2023 08:00 PM	0.0	0.0	0.0
09/20/2023 09:00 PM	0.0	0.0	0.0
09/20/2023 10:00 PM	0.0	0.0	0.0
09/20/2023 11:00 PM	0.0	0.0	0.0
09/21/2023 12:00 AM	0.0	0.0	0.0
09/21/2023 01:00 AM	0.0	0.0	0.0
09/21/2023 02:00 AM	0.0	0.0	0.0
09/21/2023 03:00 AM	0.0	0.0	0.0
09/21/2023 04:00 AM	0.0	0.0	0.0
09/21/2023 05:00 AM	0.0	0.0	0.0
09/21/2023 06:00 AM	0.0	0.0	0.0
09/21/2023 07:00 AM	0.0	0.0	0.0
09/21/2023 08:00 AM	1,875.4	0.0	1,673.2
09/21/2023 09:00 AM	1,747.1	1,705.0	1,723.1
09/21/2023 10:00 AM	1,705.0	1,665.0	1,688.7
09/21/2023 11:00 AM	1,666.0	0.0	966.5

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/21/2023 12:00 PM	0.0	0.0	0.0
09/21/2023 01:00 PM	0.0	0.0	0.0
09/21/2023 02:00 PM	0.0	0.0	0.0
09/21/2023 03:00 PM	0.0	0.0	0.0
09/21/2023 04:00 PM	0.0	0.0	0.0
09/21/2023 05:00 PM	0.0	0.0	0.0
09/21/2023 06:00 PM	0.0	0.0	0.0
09/21/2023 07:00 PM	0.0	0.0	0.0
09/21/2023 08:00 PM	0.0	0.0	0.0
09/21/2023 09:00 PM	0.0	0.0	0.0
09/21/2023 10:00 PM	0.0	0.0	0.0
09/21/2023 11:00 PM	0.0	0.0	0.0
09/22/2023 12:00 AM	0.0	0.0	0.0
09/22/2023 01:00 AM	0.0	0.0	0.0
09/22/2023 02:00 AM	0.0	0.0	0.0
09/22/2023 03:00 AM	0.0	0.0	0.0
09/22/2023 04:00 AM	0.0	0.0	0.0
09/22/2023 05:00 AM	0.0	0.0	0.0
09/22/2023 06:00 AM	0.0	0.0	0.0
09/22/2023 07:00 AM	0.0	0.0	0.0
09/22/2023 08:00 AM	0.0	0.0	0.0
09/22/2023 09:00 AM	0.0	0.0	0.0
09/22/2023 10:00 AM	0.0	0.0	0.0
09/22/2023 11:00 AM	0.0	0.0	0.0
09/22/2023 12:00 PM	0.0	0.0	0.0
09/22/2023 01:00 PM	0.0	0.0	0.0
09/22/2023 02:00 PM	0.0	0.0	0.0
09/22/2023 03:00 PM	0.0	0.0	0.0
09/22/2023 04:00 PM	0.0	0.0	0.0
09/22/2023 05:00 PM	0.0	0.0	0.0
09/22/2023 06:00 PM	0.0	0.0	0.0
09/22/2023 07:00 PM	0.0	0.0	0.0
09/22/2023 08:00 PM	0.0	0.0	0.0
09/22/2023 09:00 PM	0.0	0.0	0.0
09/22/2023 10:00 PM	0.0	0.0	0.0
09/22/2023 11:00 PM	0.0	0.0	0.0
09/23/2023 12:00 AM	0.0	0.0	0.0
09/23/2023 01:00 AM	0.0	0.0	0.0
09/23/2023 02:00 AM	0.0	0.0	0.0
09/23/2023 03:00 AM	0.0	0.0	0.0
09/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/23/2023 05:00 AM	0.0	0.0	0.0
09/23/2023 06:00 AM	0.0	0.0	0.0
09/23/2023 07:00 AM	0.0	0.0	0.0
09/23/2023 08:00 AM	0.0	0.0	0.0
09/23/2023 09:00 AM	0.0	0.0	0.0
09/23/2023 10:00 AM	0.0	0.0	0.0
09/23/2023 11:00 AM	0.0	0.0	0.0
09/23/2023 12:00 PM	0.0	0.0	0.0
09/23/2023 01:00 PM	0.0	0.0	0.0
09/23/2023 02:00 PM	0.0	0.0	0.0
09/23/2023 03:00 PM	0.0	0.0	0.0
09/23/2023 04:00 PM	0.0	0.0	0.0
09/23/2023 05:00 PM	0.0	0.0	0.0
09/23/2023 06:00 PM	0.0	0.0	0.0
09/23/2023 07:00 PM	0.0	0.0	0.0
09/23/2023 08:00 PM	0.0	0.0	0.0
09/23/2023 09:00 PM	0.0	0.0	0.0
09/23/2023 10:00 PM	0.0	0.0	0.0
09/23/2023 11:00 PM	0.0	0.0	0.0
09/24/2023 12:00 AM	0.0	0.0	0.0
09/24/2023 01:00 AM	0.0	0.0	0.0
09/24/2023 02:00 AM	0.0	0.0	0.0
09/24/2023 03:00 AM	0.0	0.0	0.0
09/24/2023 04:00 AM	0.0	0.0	0.0
09/24/2023 05:00 AM	0.0	0.0	0.0
09/24/2023 06:00 AM	0.0	0.0	0.0
09/24/2023 07:00 AM	0.0	0.0	0.0
09/24/2023 08:00 AM	0.0	0.0	0.0
09/24/2023 09:00 AM	0.0	0.0	0.0
09/24/2023 10:00 AM	0.0	0.0	0.0
09/24/2023 11:00 AM	0.0	0.0	0.0
09/24/2023 12:00 PM	0.0	0.0	0.0
09/24/2023 01:00 PM	0.0	0.0	0.0
09/24/2023 02:00 PM	0.0	0.0	0.0
09/24/2023 03:00 PM	0.0	0.0	0.0
09/24/2023 04:00 PM	0.0	0.0	0.0
09/24/2023 05:00 PM	0.0	0.0	0.0
09/24/2023 06:00 PM	0.0	0.0	0.0
09/24/2023 07:00 PM	0.0	0.0	0.0
09/24/2023 08:00 PM	0.0	0.0	0.0
09/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/24/2023 10:00 PM	0.0	0.0	0.0
09/24/2023 11:00 PM	0.0	0.0	0.0
09/25/2023 12:00 AM	0.0	0.0	0.0
09/25/2023 01:00 AM	0.0	0.0	0.0
09/25/2023 02:00 AM	0.0	0.0	0.0
09/25/2023 03:00 AM	0.0	0.0	0.0
09/25/2023 04:00 AM	0.0	0.0	0.0
09/25/2023 05:00 AM	0.0	0.0	0.0
09/25/2023 06:00 AM	0.0	0.0	0.0
09/25/2023 07:00 AM	0.0	0.0	0.0
09/25/2023 08:00 AM	0.0	0.0	0.0
09/25/2023 09:00 AM	0.0	0.0	0.0
09/25/2023 10:00 AM	0.0	0.0	0.0
09/25/2023 11:00 AM	0.0	0.0	0.0
09/25/2023 12:00 PM	0.0	0.0	0.0
09/25/2023 01:00 PM	0.0	0.0	0.0
09/25/2023 02:00 PM	0.0	0.0	0.0
09/25/2023 03:00 PM	0.0	0.0	0.0
09/25/2023 04:00 PM	0.0	0.0	0.0
09/25/2023 05:00 PM	0.0	0.0	0.0
09/25/2023 06:00 PM	0.0	0.0	0.0
09/25/2023 07:00 PM	0.0	0.0	0.0
09/25/2023 08:00 PM	0.0	0.0	0.0
09/25/2023 09:00 PM	0.0	0.0	0.0
09/25/2023 10:00 PM	0.0	0.0	0.0
09/25/2023 11:00 PM	0.0	0.0	0.0
09/26/2023 12:00 AM	0.0	0.0	0.0
09/26/2023 01:00 AM	0.0	0.0	0.0
09/26/2023 02:00 AM	0.0	0.0	0.0
09/26/2023 03:00 AM	0.0	0.0	0.0
09/26/2023 04:00 AM	0.0	0.0	0.0
09/26/2023 05:00 AM	0.0	0.0	0.0
09/26/2023 06:00 AM	0.0	0.0	0.0
09/26/2023 07:00 AM	0.0	0.0	0.0
09/26/2023 08:00 AM	1,777.3	0.0	1,672.3
09/26/2023 09:00 AM	1,759.1	1,701.0	1,725.7
09/26/2023 10:00 AM	1,706.6	1,687.2	1,696.0
09/26/2023 11:00 AM	1,691.3	1,675.2	1,682.1
09/26/2023 12:00 PM	1,675.5	1,662.9	1,669.1
09/26/2023 01:00 PM	1,663.8	1,646.7	1,655.8
09/26/2023 02:00 PM	1,650.6	0.0	82.4

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/26/2023 03:00 PM	0.0	0.0	0.0
09/26/2023 04:00 PM	0.0	0.0	0.0
09/26/2023 05:00 PM	0.0	0.0	0.0
09/26/2023 06:00 PM	0.0	0.0	0.0
09/26/2023 07:00 PM	0.0	0.0	0.0
09/26/2023 08:00 PM	0.0	0.0	0.0
09/26/2023 09:00 PM	0.0	0.0	0.0
09/26/2023 10:00 PM	0.0	0.0	0.0
09/26/2023 11:00 PM	0.0	0.0	0.0
09/27/2023 12:00 AM	0.0	0.0	0.0
09/27/2023 01:00 AM	0.0	0.0	0.0
09/27/2023 02:00 AM	0.0	0.0	0.0
09/27/2023 03:00 AM	0.0	0.0	0.0
09/27/2023 04:00 AM	0.0	0.0	0.0
09/27/2023 05:00 AM	0.0	0.0	0.0
09/27/2023 06:00 AM	0.0	0.0	0.0
09/27/2023 07:00 AM	0.0	0.0	0.0
09/27/2023 08:00 AM	0.0	0.0	0.0
09/27/2023 09:00 AM	0.0	0.0	0.0
09/27/2023 10:00 AM	0.0	0.0	0.0
09/27/2023 11:00 AM	0.0	0.0	0.0
09/27/2023 12:00 PM	0.0	0.0	0.0
09/27/2023 01:00 PM	0.0	0.0	0.0
09/27/2023 02:00 PM	0.0	0.0	0.0
09/27/2023 03:00 PM	0.0	0.0	0.0
09/27/2023 04:00 PM	0.0	0.0	0.0
09/27/2023 05:00 PM	0.0	0.0	0.0
09/27/2023 06:00 PM	0.0	0.0	0.0
09/27/2023 07:00 PM	0.0	0.0	0.0
09/27/2023 08:00 PM	0.0	0.0	0.0
09/27/2023 09:00 PM	0.0	0.0	0.0
09/27/2023 10:00 PM	0.0	0.0	0.0
09/27/2023 11:00 PM	0.0	0.0	0.0
09/28/2023 12:00 AM	0.0	0.0	0.0
09/28/2023 01:00 AM	0.0	0.0	0.0
09/28/2023 02:00 AM	0.0	0.0	0.0
09/28/2023 03:00 AM	0.0	0.0	0.0
09/28/2023 04:00 AM	0.0	0.0	0.0
09/28/2023 05:00 AM	0.0	0.0	0.0
09/28/2023 06:00 AM	0.0	0.0	0.0
09/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/28/2023 08:00 AM	1,784.4	0.0	1,667.2
09/28/2023 09:00 AM	1,744.2	1,695.8	1,717.9
09/28/2023 10:00 AM	1,699.3	1,666.1	1,683.6
09/28/2023 11:00 AM	1,667.4	1,633.8	1,651.2
09/28/2023 12:00 PM	1,639.4	1,611.2	1,624.8
09/28/2023 01:00 PM	1,621.2	1,595.9	1,608.0
09/28/2023 02:00 PM	1,606.5	0.0	80.3
09/28/2023 03:00 PM	0.0	0.0	0.0
09/28/2023 04:00 PM	0.0	0.0	0.0
09/28/2023 05:00 PM	0.0	0.0	0.0
09/28/2023 06:00 PM	0.0	0.0	0.0
09/28/2023 07:00 PM	0.0	0.0	0.0
09/28/2023 08:00 PM	0.0	0.0	0.0
09/28/2023 09:00 PM	0.0	0.0	0.0
09/28/2023 10:00 PM	0.0	0.0	0.0
09/28/2023 11:00 PM	0.0	0.0	0.0
09/29/2023 12:00 AM	0.0	0.0	0.0
09/29/2023 01:00 AM	0.0	0.0	0.0
09/29/2023 02:00 AM	0.0	0.0	0.0
09/29/2023 03:00 AM	0.0	0.0	0.0
09/29/2023 04:00 AM	0.0	0.0	0.0
09/29/2023 05:00 AM	0.0	0.0	0.0
09/29/2023 06:00 AM	0.0	0.0	0.0
09/29/2023 07:00 AM	0.0	0.0	0.0
09/29/2023 08:00 AM	0.0	0.0	0.0
09/29/2023 09:00 AM	0.0	0.0	0.0
09/29/2023 10:00 AM	0.0	0.0	0.0
09/29/2023 11:00 AM	0.0	0.0	0.0
09/29/2023 12:00 PM	0.0	0.0	0.0
09/29/2023 01:00 PM	0.0	0.0	0.0
09/29/2023 02:00 PM	0.0	0.0	0.0
09/29/2023 03:00 PM	0.0	0.0	0.0
09/29/2023 04:00 PM	0.0	0.0	0.0
09/29/2023 05:00 PM	0.0	0.0	0.0
09/29/2023 06:00 PM	0.0	0.0	0.0
09/29/2023 07:00 PM	0.0	0.0	0.0
09/29/2023 08:00 PM	0.0	0.0	0.0
09/29/2023 09:00 PM	0.0	0.0	0.0
09/29/2023 10:00 PM	0.0	0.0	0.0
09/29/2023 11:00 PM	0.0	0.0	0.0
09/30/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
September 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
09/30/2023 01:00 AM	0.0	0.0	0.0
09/30/2023 02:00 AM	0.0	0.0	0.0
09/30/2023 03:00 AM	0.0	0.0	0.0
09/30/2023 04:00 AM	0.0	0.0	0.0
09/30/2023 05:00 AM	0.0	0.0	0.0
09/30/2023 06:00 AM	0.0	0.0	0.0
09/30/2023 07:00 AM	0.0	0.0	0.0
09/30/2023 08:00 AM	0.0	0.0	0.0
09/30/2023 09:00 AM	0.0	0.0	0.0
09/30/2023 10:00 AM	0.0	0.0	0.0
09/30/2023 11:00 AM	0.0	0.0	0.0
09/30/2023 12:00 PM	0.0	0.0	0.0
09/30/2023 01:00 PM	0.0	0.0	0.0
09/30/2023 02:00 PM	0.0	0.0	0.0
09/30/2023 03:00 PM	0.0	0.0	0.0
09/30/2023 04:00 PM	0.0	0.0	0.0
09/30/2023 05:00 PM	0.0	0.0	0.0
09/30/2023 06:00 PM	0.0	0.0	0.0
09/30/2023 07:00 PM	0.0	0.0	0.0
09/30/2023 08:00 PM	0.0	0.0	0.0
09/30/2023 09:00 PM	0.0	0.0	0.0
09/30/2023 10:00 PM	0.0	0.0	0.0
09/30/2023 11:00 PM	0.0	0.0	0.0

October 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
October 2023

Date	Raw Water	Finished Water
10/01/2023	350,066	336,314
10/02/2023	337,819	337,395
10/03/2023	380,671	368,526
10/04/2023	337,883	337,113
10/05/2023	377,925	373,045
10/06/2023	345,467	330,922
10/07/2023	343,650	345,370
10/08/2023	344,510	334,005
10/09/2023	337,777	339,802
10/10/2023	373,984	370,595
10/11/2023	351,274	338,176
10/12/2023	372,111	365,046
10/13/2023	346,786	345,936
10/14/2023	340,108	331,030
10/15/2023	349,502	345,689
10/16/2023	337,987	333,900
10/17/2023	375,317	377,179
10/18/2023	348,448	332,844
10/19/2023	368,903	368,113
10/20/2023	350,540	342,825
10/21/2023	337,171	335,741
10/22/2023	350,129	341,883
10/23/2023	336,652	337,132
10/24/2023	377,320	374,105
10/25/2023	345,900	332,608
10/26/2023	370,902	368,091
10/27/2023	349,760	342,565
10/28/2023	336,585	336,180
10/29/2023	350,506	340,322
10/30/2023	340,911	334,400
10/31/2023	369,380	373,849
Totals:	**10,935,943**	**10,770,702**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
October 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
10/01/2023	4.8	9.8	8.3	7.9
10/02/2023	4.8	9.3	8.3	8.0
10/03/2023	6.1	9.8	6.2	11.7
10/04/2023	5.0	9.1	7.6	8.6
10/05/2023	8.0	7.8	10.0	7.9
10/06/2023	10.4	4.1	8.4	7.5
10/07/2023	9.8	4.5	8.2	8.4
10/08/2023	5.5	8.8	7.4	8.7
10/09/2023	5.0	9.1	7.7	8.6
10/10/2023	6.4	9.2	10.0	7.8
10/11/2023	4.9	9.8	8.4	7.9
10/12/2023	8.5	7.1	9.4	8.1
10/13/2023	9.5	5.0	8.1	8.5
10/14/2023	9.8	4.4	7.3	8.7
10/15/2023	10.0	4.6	8.4	8.2
10/16/2023	10.0	4.1	8.4	7.7
10/17/2023	8.4	7.3	7.1	11.1
10/18/2023	4.7	9.9	7.4	8.7
10/19/2023	8.7	6.7	7.6	10.1
10/20/2023	9.9	4.7	8.4	8.1
10/21/2023	9.7	4.4	8.4	7.8
10/22/2023	10.3	4.4	7.8	8.7
10/23/2023	9.3	4.8	7.6	8.7
10/24/2023	8.4	7.4	10.0	7.9
10/25/2023	4.5	9.9	8.3	7.7
10/26/2023	8.2	7.3	8.4	9.4
10/27/2023	10.4	4.3	7.8	8.7
10/28/2023	9.7	4.4	7.6	8.6
10/29/2023	10.1	4.6	8.4	8.0
10/30/2023	5.1	9.1	8.1	8.0
10/31/2023	8.0	7.4	7.5	10.6
Totals:	**244.0**	**212.9**	**252.6**	**266.3**
	456.9		**518.9**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
October 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
10/01/2023	0.0	14.7	0.0	16.3
10/02/2023	0.0	14.2	0.0	16.3
10/03/2023	0.0	16.0	0.0	17.9
10/04/2023	0.0	14.2	0.0	16.3
10/05/2023	0.0	15.9	0.0	18.0
10/06/2023	0.0	14.5	0.0	16.0
10/07/2023	0.0	14.5	0.0	16.7
10/08/2023	0.0	14.4	0.0	16.1
10/09/2023	0.0	14.2	0.0	16.4
10/10/2023	0.0	15.7	0.0	17.8
10/11/2023	0.0	14.7	0.0	16.3
10/12/2023	0.0	15.6	0.0	17.6
10/13/2023	0.0	14.6	0.0	16.7
10/14/2023	0.0	14.3	0.0	16.0
10/15/2023	0.0	14.7	0.0	16.7
10/16/2023	0.0	14.2	0.0	16.1
10/17/2023	0.0	15.8	0.0	18.2
10/18/2023	0.0	14.6	0.0	16.1
10/19/2023	0.0	15.5	0.0	17.8
10/20/2023	0.0	14.8	0.0	16.5
10/21/2023	0.0	14.2	0.0	16.2
10/22/2023	0.0	14.7	0.0	16.5
10/23/2023	0.0	14.2	0.0	16.3
10/24/2023	0.0	15.8	0.0	18.0
10/25/2023	0.0	14.5	0.0	16.0
10/26/2023	0.0	15.6	0.0	17.8
10/27/2023	0.0	14.7	0.0	16.5
10/28/2023	0.0	14.2	0.0	16.3
10/29/2023	0.0	14.8	0.0	16.4
10/30/2023	0.0	14.3	0.0	16.2
10/31/2023	0.0	15.5	0.0	18.1
Totals:	**0.0**	**459.6**	**0.0**	**520.2**
	459.6		**520.2**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
October 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
10/01/2023	0.0	0	24.0	339,147
10/02/2023	0.0	0	24.0	339,174
10/03/2023	6.0	30,038	24.0	339,152
10/04/2023	0.0	0	24.0	339,227
10/05/2023	6.0	29,948	24.0	339,227
10/06/2023	0.0	0	24.0	339,208
10/07/2023	0.0	0	24.0	339,187
10/08/2023	0.0	0	24.0	339,175
10/09/2023	0.0	0	24.0	339,180
10/10/2023	6.0	29,987	24.0	339,222
10/11/2023	0.0	0	24.0	339,217
10/12/2023	6.0	29,941	24.0	339,220
10/13/2023	0.0	0	24.0	339,224
10/14/2023	0.0	0	24.0	339,235
10/15/2023	0.0	0	24.0	339,217
10/16/2023	0.0	0	24.0	339,214
10/17/2023	6.0	29,844	24.0	339,204
10/18/2023	0.0	0	24.0	339,203
10/19/2023	6.0	29,905	24.0	339,261
10/20/2023	0.0	0	24.0	339,236
10/21/2023	0.0	0	24.0	339,255
10/22/2023	0.0	0	24.0	339,218
10/23/2023	0.0	0	24.0	339,185
10/24/2023	6.0	29,982	24.0	339,111
10/25/2023	0.0	0	24.0	339,018
10/26/2023	6.0	29,914	24.0	339,076
10/27/2023	0.0	0	24.0	339,107
10/28/2023	0.0	0	24.0	339,149
10/29/2023	0.0	0	24.0	339,182
10/30/2023	0.0	0	24.0	339,187
10/31/2023	6.0	30,034	24.0	339,191
Totals:	**54.0**	**269,593**	**744.0**	**10,514,807**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/01/2023 12:00 AM	0.0	201.5	284.0	223.7
10/01/2023 01:00 AM	0.0	201.5	284.1	223.7
10/01/2023 02:00 AM	0.0	201.5	284.0	223.7
10/01/2023 03:00 AM	0.0	201.5	284.0	223.7
10/01/2023 04:00 AM	0.0	201.5	284.0	223.7
10/01/2023 05:00 AM	0.0	201.5	284.0	223.7
10/01/2023 06:00 AM	0.0	201.5	284.0	223.7
10/01/2023 07:00 AM	0.0	201.5	284.0	223.7
10/01/2023 08:00 AM	0.0	201.5	284.0	223.7
10/01/2023 09:00 AM	0.0	201.5	284.0	223.7
10/01/2023 10:00 AM	0.0	201.5	284.0	223.7
10/01/2023 11:00 AM	0.0	201.5	284.0	223.7
10/01/2023 12:00 PM	0.0	201.5	284.0	223.7
10/01/2023 01:00 PM	0.0	201.5	284.0	223.7
10/01/2023 02:00 PM	0.0	201.5	284.0	223.7
10/01/2023 03:00 PM	0.0	201.5	284.0	223.7
10/01/2023 04:00 PM	0.0	201.4	284.0	223.7
10/01/2023 05:00 PM	0.0	201.4	284.1	223.7
10/01/2023 06:00 PM	0.0	201.4	284.0	223.7
10/01/2023 07:00 PM	0.0	201.4	284.0	223.7
10/01/2023 08:00 PM	0.0	201.4	284.0	223.7
10/01/2023 09:00 PM	0.0	201.4	284.0	223.7
10/01/2023 10:00 PM	0.0	201.4	284.0	223.7
10/01/2023 11:00 PM	0.0	201.4	284.0	223.7
10/02/2023 12:00 AM	0.0	201.5	284.1	223.7
10/02/2023 01:00 AM	0.0	201.5	284.1	223.7
10/02/2023 02:00 AM	0.0	201.6	284.1	223.7
10/02/2023 03:00 AM	0.0	201.7	284.2	223.7
10/02/2023 04:00 AM	0.0	201.7	284.2	223.7
10/02/2023 05:00 AM	0.0	201.7	284.2	223.7
10/02/2023 06:00 AM	0.0	201.8	284.2	223.7
10/02/2023 07:00 AM	0.0	201.7	284.2	223.7
10/02/2023 08:00 AM	0.0	201.7	284.2	223.7
10/02/2023 09:00 AM	0.0	201.7	284.2	223.7
10/02/2023 10:00 AM	0.0	201.7	284.1	223.7
10/02/2023 11:00 AM	0.0	201.6	284.1	223.7
10/02/2023 12:00 PM	0.0	201.6	284.1	223.7
10/02/2023 01:00 PM	0.0	201.6	284.1	223.7
10/02/2023 02:00 PM	0.0	201.5	284.1	223.7
10/02/2023 03:00 PM	0.0	201.5	284.1	223.7
10/02/2023 04:00 PM	0.0	201.5	284.1	223.7
10/02/2023 05:00 PM	0.0	201.5	284.1	223.7
10/02/2023 06:00 PM	0.0	201.4	284.0	223.7
10/02/2023 07:00 PM	0.0	201.4	284.0	223.7
10/02/2023 08:00 PM	0.0	201.4	284.0	223.7
10/02/2023 09:00 PM	0.0	201.4	284.0	223.7
10/02/2023 10:00 PM	0.0	201.4	284.0	223.7
10/02/2023 11:00 PM	0.0	201.4	284.0	223.7
10/03/2023 12:00 AM	0.0	201.4	284.0	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/03/2023 01:00 AM	0.0	201.5	284.1	223.7
10/03/2023 02:00 AM	0.0	201.6	284.1	223.7
10/03/2023 03:00 AM	0.0	201.6	284.1	223.7
10/03/2023 04:00 AM	0.0	201.6	284.1	223.7
10/03/2023 05:00 AM	0.0	201.6	284.1	223.7
10/03/2023 06:00 AM	0.0	201.6	284.1	223.7
10/03/2023 07:00 AM	0.0	201.6	284.1	223.7
10/03/2023 08:00 AM	198.4	201.6	284.1	223.7
10/03/2023 09:00 AM	209.3	201.6	284.2	223.7
10/03/2023 10:00 AM	209.5	201.6	284.3	223.7
10/03/2023 11:00 AM	209.6	201.6	284.4	223.7
10/03/2023 12:00 PM	209.7	201.6	284.5	223.7
10/03/2023 01:00 PM	209.7	201.6	284.5	223.7
10/03/2023 02:00 PM	10.5	202.4	284.5	223.7
10/03/2023 03:00 PM	0.0	202.0	284.5	223.7
10/03/2023 04:00 PM	0.0	201.9	284.4	223.7
10/03/2023 05:00 PM	0.0	201.8	284.4	223.7
10/03/2023 06:00 PM	0.0	201.7	284.3	223.7
10/03/2023 07:00 PM	0.0	201.7	284.3	223.7
10/03/2023 08:00 PM	0.0	201.6	284.2	223.7
10/03/2023 09:00 PM	0.0	201.6	284.2	223.7
10/03/2023 10:00 PM	0.0	201.6	284.2	223.7
10/03/2023 11:00 PM	0.0	201.6	284.2	223.7
10/04/2023 12:00 AM	0.0	201.7	284.2	223.7
10/04/2023 01:00 AM	0.0	201.7	284.2	223.7
10/04/2023 02:00 AM	0.0	201.8	284.3	223.7
10/04/2023 03:00 AM	0.0	201.8	284.3	223.7
10/04/2023 04:00 AM	0.0	201.9	284.3	223.7
10/04/2023 05:00 AM	0.0	201.9	284.3	223.7
10/04/2023 06:00 AM	0.0	202.0	284.4	223.7
10/04/2023 07:00 AM	0.0	201.9	284.4	223.7
10/04/2023 08:00 AM	0.0	201.9	284.4	223.7
10/04/2023 09:00 AM	0.0	201.9	284.3	223.7
10/04/2023 10:00 AM	0.0	201.8	284.3	223.7
10/04/2023 11:00 AM	0.0	201.8	284.3	223.7
10/04/2023 12:00 PM	0.0	201.8	284.3	223.7
10/04/2023 01:00 PM	0.0	201.7	284.3	223.7
10/04/2023 02:00 PM	0.0	201.7	284.3	223.7
10/04/2023 03:00 PM	0.0	201.7	284.3	223.7
10/04/2023 04:00 PM	0.0	201.7	284.3	223.7
10/04/2023 05:00 PM	0.0	201.7	284.3	223.7
10/04/2023 06:00 PM	0.0	201.7	284.3	223.7
10/04/2023 07:00 PM	0.0	201.7	284.2	223.7
10/04/2023 08:00 PM	0.0	201.7	284.3	223.7
10/04/2023 09:00 PM	0.0	201.7	284.3	223.7
10/04/2023 10:00 PM	0.0	201.7	284.3	223.7
10/04/2023 11:00 PM	0.0	201.7	284.3	223.7
10/05/2023 12:00 AM	0.0	201.7	284.3	223.7
10/05/2023 01:00 AM	0.0	201.8	284.3	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/05/2023 02:00 AM	0.0	201.8	284.4	223.7
10/05/2023 03:00 AM	0.0	201.9	284.4	223.7
10/05/2023 04:00 AM	0.0	201.9	284.4	223.7
10/05/2023 05:00 AM	0.0	201.9	284.4	223.7
10/05/2023 06:00 AM	0.0	201.9	284.4	223.7
10/05/2023 07:00 AM	0.0	201.9	284.4	223.7
10/05/2023 08:00 AM	198.6	201.9	284.5	223.7
10/05/2023 09:00 AM	209.6	201.9	284.6	223.7
10/05/2023 10:00 AM	209.8	201.9	284.6	223.7
10/05/2023 11:00 AM	209.9	201.9	284.7	223.7
10/05/2023 12:00 PM	209.9	201.9	284.8	223.7
10/05/2023 01:00 PM	210.0	201.9	284.8	223.7
10/05/2023 02:00 PM	10.5	202.7	284.8	223.7
10/05/2023 03:00 PM	0.0	202.3	284.8	223.7
10/05/2023 04:00 PM	0.0	202.1	284.7	223.7
10/05/2023 05:00 PM	0.0	202.1	284.7	223.7
10/05/2023 06:00 PM	0.0	202.0	284.6	223.7
10/05/2023 07:00 PM	0.0	202.0	284.5	223.7
10/05/2023 08:00 PM	0.0	201.9	284.5	223.7
10/05/2023 09:00 PM	0.0	201.9	284.5	223.7
10/05/2023 10:00 PM	0.0	201.9	284.5	223.7
10/05/2023 11:00 PM	0.0	201.9	284.5	223.7
10/06/2023 12:00 AM	0.0	201.9	284.5	223.7
10/06/2023 01:00 AM	0.0	202.0	284.5	223.7
10/06/2023 02:00 AM	0.0	202.0	284.6	223.7
10/06/2023 03:00 AM	0.0	202.1	284.6	223.7
10/06/2023 04:00 AM	0.0	202.1	284.6	223.7
10/06/2023 05:00 AM	0.0	202.2	284.6	223.7
10/06/2023 06:00 AM	0.0	202.2	284.7	223.7
10/06/2023 07:00 AM	0.0	202.2	284.7	223.7
10/06/2023 08:00 AM	0.0	202.2	284.7	223.7
10/06/2023 09:00 AM	0.0	202.2	284.6	223.7
10/06/2023 10:00 AM	0.0	202.2	284.6	223.7
10/06/2023 11:00 AM	0.0	202.1	284.6	223.7
10/06/2023 12:00 PM	0.0	202.1	284.6	223.7
10/06/2023 01:00 PM	0.0	202.1	284.6	223.7
10/06/2023 02:00 PM	0.0	202.0	284.6	223.7
10/06/2023 03:00 PM	0.0	202.0	284.6	223.7
10/06/2023 04:00 PM	0.0	202.0	284.6	223.7
10/06/2023 05:00 PM	0.0	201.9	284.6	223.7
10/06/2023 06:00 PM	0.0	201.9	284.5	223.7
10/06/2023 07:00 PM	0.0	201.9	284.5	223.7
10/06/2023 08:00 PM	0.0	201.9	284.5	223.7
10/06/2023 09:00 PM	0.0	201.9	284.5	223.7
10/06/2023 10:00 PM	0.0	201.9	284.5	223.7
10/06/2023 11:00 PM	0.0	201.9	284.6	223.7
10/07/2023 12:00 AM	0.0	201.9	284.5	223.7
10/07/2023 01:00 AM	0.0	201.9	284.5	223.7
10/07/2023 02:00 AM	0.0	201.9	284.5	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/07/2023 03:00 AM	0.0	201.9	284.5	223.7
10/07/2023 04:00 AM	0.0	201.9	284.5	223.7
10/07/2023 05:00 AM	0.0	201.9	284.5	223.7
10/07/2023 06:00 AM	0.0	201.9	284.5	223.7
10/07/2023 07:00 AM	0.0	201.9	284.5	223.7
10/07/2023 08:00 AM	0.0	201.9	284.5	223.7
10/07/2023 09:00 AM	0.0	201.9	284.5	223.7
10/07/2023 10:00 AM	0.0	201.9	284.5	223.7
10/07/2023 11:00 AM	0.0	201.9	284.5	223.7
10/07/2023 12:00 PM	0.0	201.9	284.5	223.7
10/07/2023 01:00 PM	0.0	201.8	284.5	223.7
10/07/2023 02:00 PM	0.0	201.8	284.5	223.7
10/07/2023 03:00 PM	0.0	201.8	284.5	223.7
10/07/2023 04:00 PM	0.0	201.8	284.5	223.7
10/07/2023 05:00 PM	0.0	201.8	284.5	223.7
10/07/2023 06:00 PM	0.0	201.8	284.5	223.7
10/07/2023 07:00 PM	0.0	201.8	284.5	223.7
10/07/2023 08:00 PM	0.0	201.8	284.5	223.7
10/07/2023 09:00 PM	0.0	201.8	284.5	223.7
10/07/2023 10:00 PM	0.0	201.8	284.5	223.7
10/07/2023 11:00 PM	0.0	201.8	284.5	223.7
10/08/2023 12:00 AM	0.0	201.8	284.4	223.7
10/08/2023 01:00 AM	0.0	201.8	284.5	223.7
10/08/2023 02:00 AM	0.0	201.8	284.4	223.7
10/08/2023 03:00 AM	0.0	201.8	284.4	223.7
10/08/2023 04:00 AM	0.0	201.8	284.4	223.7
10/08/2023 05:00 AM	0.0	201.8	284.4	223.7
10/08/2023 06:00 AM	0.0	201.8	284.4	223.7
10/08/2023 07:00 AM	0.0	201.8	284.4	223.7
10/08/2023 08:00 AM	0.0	201.8	284.4	223.7
10/08/2023 09:00 AM	0.0	201.8	284.4	223.7
10/08/2023 10:00 AM	0.0	201.8	284.4	223.7
10/08/2023 11:00 AM	0.0	201.7	284.4	223.7
10/08/2023 12:00 PM	0.0	201.7	284.4	223.7
10/08/2023 01:00 PM	0.0	201.7	284.4	223.7
10/08/2023 02:00 PM	0.0	201.7	284.4	223.7
10/08/2023 03:00 PM	0.0	201.7	284.4	223.7
10/08/2023 04:00 PM	0.0	201.6	284.4	223.7
10/08/2023 05:00 PM	0.0	201.6	284.3	223.7
10/08/2023 06:00 PM	0.0	201.6	284.3	223.7
10/08/2023 07:00 PM	0.0	201.6	284.4	223.7
10/08/2023 08:00 PM	0.0	201.6	284.3	223.7
10/08/2023 09:00 PM	0.0	201.6	284.3	223.7
10/08/2023 10:00 PM	0.0	201.6	284.4	223.7
10/08/2023 11:00 PM	0.0	201.6	284.4	223.7
10/09/2023 12:00 AM	0.0	201.6	284.4	223.7
10/09/2023 01:00 AM	0.0	201.6	284.3	223.7
10/09/2023 02:00 AM	0.0	201.6	284.3	223.7
10/09/2023 03:00 AM	0.0	201.6	284.3	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/09/2023 04:00 AM	0.0	201.6	284.3	223.7
10/09/2023 05:00 AM	0.0	201.6	284.3	223.7
10/09/2023 06:00 AM	0.0	201.6	284.3	223.7
10/09/2023 07:00 AM	0.0	201.6	284.3	223.7
10/09/2023 08:00 AM	0.0	201.6	284.3	223.7
10/09/2023 09:00 AM	0.0	201.6	284.3	223.7
10/09/2023 10:00 AM	0.0	201.6	284.3	223.7
10/09/2023 11:00 AM	0.0	201.6	284.3	223.7
10/09/2023 12:00 PM	0.0	201.6	284.3	223.7
10/09/2023 01:00 PM	0.0	201.6	284.3	223.7
10/09/2023 02:00 PM	0.0	201.6	284.3	223.7
10/09/2023 03:00 PM	0.0	201.6	284.3	223.7
10/09/2023 04:00 PM	0.0	201.5	284.3	223.7
10/09/2023 05:00 PM	0.0	201.5	284.3	223.7
10/09/2023 06:00 PM	0.0	201.5	284.3	223.7
10/09/2023 07:00 PM	0.0	201.5	284.3	223.7
10/09/2023 08:00 PM	0.0	201.5	284.3	223.7
10/09/2023 09:00 PM	0.0	201.5	284.2	223.7
10/09/2023 10:00 PM	0.0	201.5	284.3	223.7
10/09/2023 11:00 PM	0.0	201.5	284.3	223.7
10/10/2023 12:00 AM	0.0	201.6	284.3	223.7
10/10/2023 01:00 AM	0.0	201.6	284.3	223.7
10/10/2023 02:00 AM	0.0	201.6	284.3	223.7
10/10/2023 03:00 AM	0.0	201.7	284.4	223.7
10/10/2023 04:00 AM	0.0	201.7	284.4	223.7
10/10/2023 05:00 AM	0.0	201.7	284.4	223.7
10/10/2023 06:00 AM	0.0	201.7	284.3	223.7
10/10/2023 07:00 AM	0.0	201.7	284.4	223.7
10/10/2023 08:00 AM	198.5	201.7	284.4	223.7
10/10/2023 09:00 AM	209.5	201.7	284.5	223.7
10/10/2023 10:00 AM	209.6	201.7	284.6	223.7
10/10/2023 11:00 AM	209.7	201.7	284.7	223.7
10/10/2023 12:00 PM	209.8	201.7	284.7	223.7
10/10/2023 01:00 PM	209.8	201.7	284.7	223.7
10/10/2023 02:00 PM	10.5	202.5	284.7	223.7
10/10/2023 03:00 PM	0.0	202.0	284.6	223.7
10/10/2023 04:00 PM	0.0	201.9	284.5	223.7
10/10/2023 05:00 PM	0.0	201.8	284.5	223.7
10/10/2023 06:00 PM	0.0	201.7	284.4	223.7
10/10/2023 07:00 PM	0.0	201.7	284.4	223.7
10/10/2023 08:00 PM	0.0	201.7	284.4	223.7
10/10/2023 09:00 PM	0.0	201.7	284.4	223.7
10/10/2023 10:00 PM	0.0	201.7	284.4	223.7
10/10/2023 11:00 PM	0.0	201.7	284.3	223.7
10/11/2023 12:00 AM	0.0	201.7	284.4	223.7
10/11/2023 01:00 AM	0.0	201.7	284.4	223.7
10/11/2023 02:00 AM	0.0	201.8	284.4	223.7
10/11/2023 03:00 AM	0.0	201.8	284.4	223.7
10/11/2023 04:00 AM	0.0	201.9	284.5	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/11/2023 05:00 AM	0.0	201.9	284.5	223.7
10/11/2023 06:00 AM	0.0	201.9	284.5	223.7
10/11/2023 07:00 AM	0.0	201.9	284.5	223.7
10/11/2023 08:00 AM	0.0	201.9	284.5	223.7
10/11/2023 09:00 AM	0.0	201.9	284.5	223.7
10/11/2023 10:00 AM	0.0	201.9	284.5	223.7
10/11/2023 11:00 AM	0.0	201.9	284.5	223.7
10/11/2023 12:00 PM	0.0	201.9	284.5	223.7
10/11/2023 01:00 PM	0.0	201.8	284.4	223.7
10/11/2023 02:00 PM	0.0	201.8	284.4	223.7
10/11/2023 03:00 PM	0.0	201.7	284.4	223.7
10/11/2023 04:00 PM	0.0	201.7	284.4	223.7
10/11/2023 05:00 PM	0.0	201.7	284.4	223.7
10/11/2023 06:00 PM	0.0	201.6	284.4	223.7
10/11/2023 07:00 PM	0.0	201.6	284.4	223.7
10/11/2023 08:00 PM	0.0	201.6	284.4	223.7
10/11/2023 09:00 PM	0.0	201.7	284.4	223.7
10/11/2023 10:00 PM	0.0	201.7	284.4	223.7
10/11/2023 11:00 PM	0.0	201.7	284.4	223.7
10/12/2023 12:00 AM	0.0	201.7	284.4	223.7
10/12/2023 01:00 AM	0.0	201.7	284.4	223.7
10/12/2023 02:00 AM	0.0	201.8	284.4	223.7
10/12/2023 03:00 AM	0.0	201.8	284.5	223.7
10/12/2023 04:00 AM	0.0	201.8	284.5	223.7
10/12/2023 05:00 AM	0.0	201.8	284.5	223.7
10/12/2023 06:00 AM	0.0	201.8	284.5	223.7
10/12/2023 07:00 AM	0.0	201.9	284.5	223.7
10/12/2023 08:00 AM	198.6	201.9	284.5	223.7
10/12/2023 09:00 AM	209.6	201.9	284.7	223.7
10/12/2023 10:00 AM	209.8	201.9	284.8	223.7
10/12/2023 11:00 AM	209.9	201.9	284.9	223.7
10/12/2023 12:00 PM	210.0	201.9	284.9	223.7
10/12/2023 01:00 PM	210.0	201.9	285.0	223.7
10/12/2023 02:00 PM	10.5	202.7	284.9	223.7
10/12/2023 03:00 PM	0.0	202.3	284.9	223.7
10/12/2023 04:00 PM	0.0	202.2	284.8	223.7
10/12/2023 05:00 PM	0.0	202.1	284.7	223.7
10/12/2023 06:00 PM	0.0	202.0	284.7	223.7
10/12/2023 07:00 PM	0.0	202.0	284.7	223.7
10/12/2023 08:00 PM	0.0	202.0	284.7	223.7
10/12/2023 09:00 PM	0.0	202.0	284.7	223.7
10/12/2023 10:00 PM	0.0	202.0	284.7	223.7
10/12/2023 11:00 PM	0.0	202.0	284.7	223.7
10/13/2023 12:00 AM	0.0	202.1	284.7	223.7
10/13/2023 01:00 AM	0.0	202.1	284.7	223.7
10/13/2023 02:00 AM	0.0	202.2	284.8	223.7
10/13/2023 03:00 AM	0.0	202.2	284.9	223.7
10/13/2023 04:00 AM	0.0	202.3	284.8	223.7
10/13/2023 05:00 AM	0.0	202.3	284.9	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/13/2023 06:00 AM	0.0	202.4	284.9	223.7
10/13/2023 07:00 AM	0.0	202.4	284.9	223.7
10/13/2023 08:00 AM	0.0	202.4	285.0	223.7
10/13/2023 09:00 AM	0.0	202.4	285.0	223.7
10/13/2023 10:00 AM	0.0	202.4	285.0	223.7
10/13/2023 11:00 AM	0.0	202.4	285.0	223.7
10/13/2023 12:00 PM	0.0	202.4	285.0	223.7
10/13/2023 01:00 PM	0.0	202.4	285.0	223.7
10/13/2023 02:00 PM	0.0	202.3	285.0	223.7
10/13/2023 03:00 PM	0.0	202.3	285.0	223.7
10/13/2023 04:00 PM	0.0	202.3	285.0	223.7
10/13/2023 05:00 PM	0.0	202.3	285.1	223.7
10/13/2023 06:00 PM	0.0	202.2	285.0	223.7
10/13/2023 07:00 PM	0.0	202.2	285.0	223.7
10/13/2023 08:00 PM	0.0	202.3	285.0	223.7
10/13/2023 09:00 PM	0.0	202.3	285.0	223.7
10/13/2023 10:00 PM	0.0	202.3	285.0	223.7
10/13/2023 11:00 PM	0.0	202.3	285.0	223.7
10/14/2023 12:00 AM	0.0	202.3	285.1	223.7
10/14/2023 01:00 AM	0.0	202.3	285.0	223.7
10/14/2023 02:00 AM	0.0	202.3	285.0	223.7
10/14/2023 03:00 AM	0.0	202.3	285.0	223.7
10/14/2023 04:00 AM	0.0	202.2	285.0	223.7
10/14/2023 05:00 AM	0.0	202.2	284.9	223.7
10/14/2023 06:00 AM	0.0	202.2	284.9	223.7
10/14/2023 07:00 AM	0.0	202.2	285.0	223.7
10/14/2023 08:00 AM	0.0	202.3	285.0	223.7
10/14/2023 09:00 AM	0.0	202.3	285.0	223.7
10/14/2023 10:00 AM	0.0	202.3	285.0	223.7
10/14/2023 11:00 AM	0.0	202.3	285.1	223.7
10/14/2023 12:00 PM	0.0	202.3	285.1	223.7
10/14/2023 01:00 PM	0.0	202.3	285.1	223.7
10/14/2023 02:00 PM	0.0	202.3	285.1	223.7
10/14/2023 03:00 PM	0.0	202.3	285.1	223.7
10/14/2023 04:00 PM	0.0	202.2	285.1	223.7
10/14/2023 05:00 PM	0.0	202.2	285.1	223.7
10/14/2023 06:00 PM	0.0	202.2	285.0	223.7
10/14/2023 07:00 PM	0.0	202.2	285.0	223.7
10/14/2023 08:00 PM	0.0	202.2	285.1	223.7
10/14/2023 09:00 PM	0.0	202.3	285.1	223.7
10/14/2023 10:00 PM	0.0	202.3	285.1	223.7
10/14/2023 11:00 PM	0.0	202.3	285.1	223.7
10/15/2023 12:00 AM	0.0	202.3	285.1	223.7
10/15/2023 01:00 AM	0.0	202.3	285.1	223.7
10/15/2023 02:00 AM	0.0	202.3	285.1	223.7
10/15/2023 03:00 AM	0.0	202.3	285.1	223.7
10/15/2023 04:00 AM	0.0	202.3	285.0	223.7
10/15/2023 05:00 AM	0.0	202.2	285.0	223.7
10/15/2023 06:00 AM	0.0	202.2	285.0	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/15/2023 07:00 AM	0.0	202.2	285.0	223.7
10/15/2023 08:00 AM	0.0	202.2	285.0	223.7
10/15/2023 09:00 AM	0.0	202.2	285.0	223.7
10/15/2023 10:00 AM	0.0	202.3	285.0	223.7
10/15/2023 11:00 AM	0.0	202.3	285.1	223.7
10/15/2023 12:00 PM	0.0	202.3	285.1	223.7
10/15/2023 01:00 PM	0.0	202.2	285.1	223.7
10/15/2023 02:00 PM	0.0	202.2	285.1	223.7
10/15/2023 03:00 PM	0.0	202.2	285.1	223.7
10/15/2023 04:00 PM	0.0	202.2	285.0	223.7
10/15/2023 05:00 PM	0.0	202.2	285.0	223.7
10/15/2023 06:00 PM	0.0	202.2	285.0	223.7
10/15/2023 07:00 PM	0.0	202.2	285.0	223.7
10/15/2023 08:00 PM	0.0	202.2	285.0	223.7
10/15/2023 09:00 PM	0.0	202.2	285.0	223.7
10/15/2023 10:00 PM	0.0	202.2	285.0	223.7
10/15/2023 11:00 PM	0.0	202.2	285.1	223.7
10/16/2023 12:00 AM	0.0	202.3	285.1	223.7
10/16/2023 01:00 AM	0.0	202.3	285.1	223.7
10/16/2023 02:00 AM	0.0	202.4	285.1	223.7
10/16/2023 03:00 AM	0.0	202.5	285.1	223.7
10/16/2023 04:00 AM	0.0	202.5	285.2	223.7
10/16/2023 05:00 AM	0.0	202.5	285.2	223.7
10/16/2023 06:00 AM	0.0	202.5	285.2	223.7
10/16/2023 07:00 AM	0.0	202.6	285.2	223.7
10/16/2023 08:00 AM	0.0	202.6	285.2	223.7
10/16/2023 09:00 AM	0.0	202.6	285.2	223.7
10/16/2023 10:00 AM	0.0	202.5	285.2	223.7
10/16/2023 11:00 AM	0.0	202.5	285.2	223.7
10/16/2023 12:00 PM	0.0	202.5	285.3	223.7
10/16/2023 01:00 PM	0.0	202.4	285.2	223.7
10/16/2023 02:00 PM	0.0	202.4	285.2	223.7
10/16/2023 03:00 PM	0.0	202.4	285.2	223.7
10/16/2023 04:00 PM	0.0	202.3	285.1	223.7
10/16/2023 05:00 PM	0.0	202.3	285.1	223.7
10/16/2023 06:00 PM	0.0	202.2	285.1	223.7
10/16/2023 07:00 PM	0.0	202.2	285.0	223.7
10/16/2023 08:00 PM	0.0	202.2	285.1	223.7
10/16/2023 09:00 PM	0.0	202.2	285.1	223.7
10/16/2023 10:00 PM	0.0	202.2	285.1	223.7
10/16/2023 11:00 PM	0.0	202.2	285.0	223.7
10/17/2023 12:00 AM	0.0	202.2	285.1	223.7
10/17/2023 01:00 AM	0.0	202.3	285.1	223.7
10/17/2023 02:00 AM	0.0	202.3	285.1	223.7
10/17/2023 03:00 AM	0.0	202.3	285.1	223.7
10/17/2023 04:00 AM	0.0	202.3	285.1	223.7
10/17/2023 05:00 AM	0.0	202.3	285.0	223.7
10/17/2023 06:00 AM	0.0	202.3	285.0	223.7
10/17/2023 07:00 AM	0.0	202.3	285.0	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/17/2023 08:00 AM	199.0	202.2	285.0	223.7
10/17/2023 09:00 AM	210.0	202.2	285.2	223.7
10/17/2023 10:00 AM	210.2	202.2	285.3	223.7
10/17/2023 11:00 AM	210.2	202.2	285.3	223.7
10/17/2023 12:00 PM	210.3	202.2	285.4	223.7
10/17/2023 01:00 PM	210.3	202.2	285.4	223.7
10/17/2023 02:00 PM	10.5	203.1	285.4	223.7
10/17/2023 03:00 PM	0.0	202.6	285.3	223.7
10/17/2023 04:00 PM	0.0	202.5	285.3	223.7
10/17/2023 05:00 PM	0.0	202.4	285.2	223.7
10/17/2023 06:00 PM	0.0	202.3	285.1	223.7
10/17/2023 07:00 PM	0.0	202.3	285.0	223.7
10/17/2023 08:00 PM	0.0	202.2	285.0	223.7
10/17/2023 09:00 PM	0.0	202.2	285.0	223.7
10/17/2023 10:00 PM	0.0	202.2	285.0	223.7
10/17/2023 11:00 PM	0.0	202.2	285.0	223.7
10/18/2023 12:00 AM	0.0	202.2	285.0	223.7
10/18/2023 01:00 AM	0.0	202.3	285.0	223.7
10/18/2023 02:00 AM	0.0	202.3	285.0	223.7
10/18/2023 03:00 AM	0.0	202.4	285.0	223.7
10/18/2023 04:00 AM	0.0	202.4	285.1	223.7
10/18/2023 05:00 AM	0.0	202.4	285.1	223.7
10/18/2023 06:00 AM	0.0	202.4	285.1	223.7
10/18/2023 07:00 AM	0.0	202.4	285.1	223.7
10/18/2023 08:00 AM	0.0	202.4	285.0	223.7
10/18/2023 09:00 AM	0.0	202.4	285.1	223.7
10/18/2023 10:00 AM	0.0	202.4	285.1	223.7
10/18/2023 11:00 AM	0.0	202.4	285.1	223.7
10/18/2023 12:00 PM	0.0	202.3	285.0	223.7
10/18/2023 01:00 PM	0.0	202.3	285.0	223.7
10/18/2023 02:00 PM	0.0	202.2	285.0	223.7
10/18/2023 03:00 PM	0.0	202.2	285.0	223.7
10/18/2023 04:00 PM	0.0	202.2	285.0	223.7
10/18/2023 05:00 PM	0.0	202.1	285.0	223.7
10/18/2023 06:00 PM	0.0	202.1	285.0	223.7
10/18/2023 07:00 PM	0.0	202.1	284.9	223.7
10/18/2023 08:00 PM	0.0	202.1	284.9	223.7
10/18/2023 09:00 PM	0.0	202.1	284.9	223.7
10/18/2023 10:00 PM	0.0	202.1	284.9	223.7
10/18/2023 11:00 PM	0.0	202.1	285.0	223.7
10/19/2023 12:00 AM	0.0	202.1	285.0	223.7
10/19/2023 01:00 AM	0.0	202.2	285.0	223.7
10/19/2023 02:00 AM	0.0	202.2	285.0	223.7
10/19/2023 03:00 AM	0.0	202.3	285.0	223.7
10/19/2023 04:00 AM	0.0	202.3	285.0	223.7
10/19/2023 05:00 AM	0.0	202.3	285.1	223.7
10/19/2023 06:00 AM	0.0	202.2	285.0	223.7
10/19/2023 07:00 AM	0.0	202.2	285.0	223.7
10/19/2023 08:00 AM	195.5	202.2	285.1	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/19/2023 09:00 AM	209.9	202.2	285.1	223.7
10/19/2023 10:00 AM	210.1	202.2	285.3	223.7
10/19/2023 11:00 AM	210.2	202.2	285.3	223.7
10/19/2023 12:00 PM	210.2	202.2	285.4	223.7
10/19/2023 01:00 PM	210.2	202.2	285.4	223.7
10/19/2023 02:00 PM	10.5	203.0	285.4	223.7
10/19/2023 03:00 PM	0.0	202.5	285.3	223.7
10/19/2023 04:00 PM	0.0	202.4	285.2	223.7
10/19/2023 05:00 PM	0.0	202.3	285.2	223.7
10/19/2023 06:00 PM	0.0	202.2	285.1	223.7
10/19/2023 07:00 PM	0.0	202.2	285.1	223.7
10/19/2023 08:00 PM	0.0	202.2	285.1	223.7
10/19/2023 09:00 PM	0.0	202.1	285.0	223.7
10/19/2023 10:00 PM	0.0	202.1	285.0	223.7
10/19/2023 11:00 PM	0.0	202.1	285.0	223.7
10/20/2023 12:00 AM	0.0	202.1	285.0	223.7
10/20/2023 01:00 AM	0.0	202.2	285.0	223.7
10/20/2023 02:00 AM	0.0	202.2	285.0	223.7
10/20/2023 03:00 AM	0.0	202.3	285.1	223.7
10/20/2023 04:00 AM	0.0	202.4	285.1	223.7
10/20/2023 05:00 AM	0.0	202.4	285.1	223.7
10/20/2023 06:00 AM	0.0	202.4	285.1	223.7
10/20/2023 07:00 AM	0.0	202.4	285.1	223.7
10/20/2023 08:00 AM	0.0	202.4	285.1	223.7
10/20/2023 09:00 AM	0.0	202.3	285.1	223.7
10/20/2023 10:00 AM	0.0	202.3	285.1	223.7
10/20/2023 11:00 AM	0.0	202.3	285.1	223.7
10/20/2023 12:00 PM	0.0	202.2	285.1	223.7
10/20/2023 01:00 PM	0.0	202.2	285.0	223.7
10/20/2023 02:00 PM	0.0	202.1	285.0	223.7
10/20/2023 03:00 PM	0.0	202.1	285.0	223.7
10/20/2023 04:00 PM	0.0	202.1	285.0	223.7
10/20/2023 05:00 PM	0.0	202.1	285.0	223.7
10/20/2023 06:00 PM	0.0	202.0	284.9	223.7
10/20/2023 07:00 PM	0.0	202.0	284.9	223.7
10/20/2023 08:00 PM	0.0	202.0	284.9	223.7
10/20/2023 09:00 PM	0.0	202.0	284.9	223.7
10/20/2023 10:00 PM	0.0	202.0	284.9	223.7
10/20/2023 11:00 PM	0.0	202.0	284.9	223.7
10/21/2023 12:00 AM	0.0	202.0	284.9	223.7
10/21/2023 01:00 AM	0.0	202.0	284.9	223.7
10/21/2023 02:00 AM	0.0	202.0	284.9	223.7
10/21/2023 03:00 AM	0.0	201.9	284.9	223.7
10/21/2023 04:00 AM	0.0	201.9	284.9	223.7
10/21/2023 05:00 AM	0.0	201.9	284.8	223.7
10/21/2023 06:00 AM	0.0	201.9	284.8	223.7
10/21/2023 07:00 AM	0.0	201.9	284.8	223.7
10/21/2023 08:00 AM	0.0	201.9	284.8	223.7
10/21/2023 09:00 AM	0.0	201.9	284.8	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/21/2023 10:00 AM	0.0	201.8	284.8	223.7
10/21/2023 11:00 AM	0.0	201.8	284.8	223.7
10/21/2023 12:00 PM	0.0	201.8	284.8	223.7
10/21/2023 01:00 PM	0.0	201.8	284.8	223.7
10/21/2023 02:00 PM	0.0	201.7	284.7	223.7
10/21/2023 03:00 PM	0.0	201.7	284.8	223.7
10/21/2023 04:00 PM	0.0	201.7	284.7	223.7
10/21/2023 05:00 PM	0.0	201.7	284.7	223.7
10/21/2023 06:00 PM	0.0	201.7	284.7	223.7
10/21/2023 07:00 PM	0.0	201.7	284.7	223.7
10/21/2023 08:00 PM	0.0	201.7	284.7	223.7
10/21/2023 09:00 PM	0.0	201.7	284.7	223.7
10/21/2023 10:00 PM	0.0	201.7	284.7	223.7
10/21/2023 11:00 PM	0.0	201.7	284.7	223.7
10/22/2023 12:00 AM	0.0	201.7	284.7	223.7
10/22/2023 01:00 AM	0.0	201.7	284.7	223.7
10/22/2023 02:00 AM	0.0	201.7	284.7	223.7
10/22/2023 03:00 AM	0.0	201.7	284.7	223.7
10/22/2023 04:00 AM	0.0	201.7	284.7	223.7
10/22/2023 05:00 AM	0.0	201.7	284.7	223.7
10/22/2023 06:00 AM	0.0	201.7	284.7	223.7
10/22/2023 07:00 AM	0.0	201.7	284.7	223.7
10/22/2023 08:00 AM	0.0	201.7	284.7	223.7
10/22/2023 09:00 AM	0.0	201.7	284.7	223.7
10/22/2023 10:00 AM	0.0	201.7	284.7	223.7
10/22/2023 11:00 AM	0.0	201.6	284.6	223.7
10/22/2023 12:00 PM	0.0	201.6	284.7	223.7
10/22/2023 01:00 PM	0.0	201.6	284.7	223.7
10/22/2023 02:00 PM	0.0	201.5	284.6	223.7
10/22/2023 03:00 PM	0.0	201.5	284.6	223.7
10/22/2023 04:00 PM	0.0	201.5	284.6	223.7
10/22/2023 05:00 PM	0.0	201.5	284.6	223.7
10/22/2023 06:00 PM	0.0	201.5	284.6	223.7
10/22/2023 07:00 PM	0.0	201.5	284.6	223.7
10/22/2023 08:00 PM	0.0	201.5	284.6	223.7
10/22/2023 09:00 PM	0.0	201.5	284.6	223.7
10/22/2023 10:00 PM	0.0	201.5	284.6	223.7
10/22/2023 11:00 PM	0.0	201.5	284.5	223.7
10/23/2023 12:00 AM	0.0	201.5	284.6	223.7
10/23/2023 01:00 AM	0.0	201.6	284.6	223.7
10/23/2023 02:00 AM	0.0	201.6	284.6	223.7
10/23/2023 03:00 AM	0.0	201.7	284.6	223.7
10/23/2023 04:00 AM	0.0	201.8	284.7	223.7
10/23/2023 05:00 AM	0.0	201.8	284.7	223.7
10/23/2023 06:00 AM	0.0	201.8	284.7	223.7
10/23/2023 07:00 AM	0.0	201.8	284.7	223.7
10/23/2023 08:00 AM	0.0	201.8	284.8	223.7
10/23/2023 09:00 AM	0.0	201.8	284.7	223.7
10/23/2023 10:00 AM	0.0	201.8	284.7	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/23/2023 11:00 AM	0.0	201.7	284.7	223.7
10/23/2023 12:00 PM	0.0	201.6	284.7	223.7
10/23/2023 01:00 PM	0.0	201.6	284.6	223.7
10/23/2023 02:00 PM	0.0	201.5	284.6	223.7
10/23/2023 03:00 PM	0.0	201.5	284.6	223.7
10/23/2023 04:00 PM	0.0	201.5	284.6	223.7
10/23/2023 05:00 PM	0.0	201.5	284.6	223.7
10/23/2023 06:00 PM	0.0	201.4	284.6	223.7
10/23/2023 07:00 PM	0.0	201.4	284.6	223.7
10/23/2023 08:00 PM	0.0	201.4	284.5	223.7
10/23/2023 09:00 PM	0.0	201.4	284.5	223.7
10/23/2023 10:00 PM	0.0	201.4	284.5	223.7
10/23/2023 11:00 PM	0.0	201.4	284.5	223.7
10/24/2023 12:00 AM	0.0	201.4	284.5	223.7
10/24/2023 01:00 AM	0.0	201.5	284.6	223.7
10/24/2023 02:00 AM	0.0	201.5	284.6	223.7
10/24/2023 03:00 AM	0.0	201.6	284.6	223.7
10/24/2023 04:00 AM	0.0	201.6	284.6	223.7
10/24/2023 05:00 AM	0.0	201.6	284.6	223.7
10/24/2023 06:00 AM	0.0	201.6	284.6	223.7
10/24/2023 07:00 AM	0.0	201.6	284.6	223.7
10/24/2023 08:00 AM	198.4	201.6	284.7	223.7
10/24/2023 09:00 AM	209.4	201.6	284.8	223.7
10/24/2023 10:00 AM	209.6	201.6	284.9	223.7
10/24/2023 11:00 AM	209.7	201.6	284.9	223.7
10/24/2023 12:00 PM	209.7	201.6	285.0	223.7
10/24/2023 01:00 PM	209.7	201.6	285.0	223.7
10/24/2023 02:00 PM	10.5	202.5	285.1	223.7
10/24/2023 03:00 PM	0.0	202.0	284.9	223.7
10/24/2023 04:00 PM	0.0	201.9	284.9	223.7
10/24/2023 05:00 PM	0.0	201.8	284.8	223.7
10/24/2023 06:00 PM	0.0	201.8	284.8	223.7
10/24/2023 07:00 PM	0.0	201.7	284.7	223.7
10/24/2023 08:00 PM	0.0	201.7	284.7	223.7
10/24/2023 09:00 PM	0.0	201.7	284.7	223.7
10/24/2023 10:00 PM	0.0	201.7	284.7	223.7
10/24/2023 11:00 PM	0.0	201.7	284.7	223.7
10/25/2023 12:00 AM	0.0	201.7	284.7	223.7
10/25/2023 01:00 AM	0.0	201.7	284.7	223.7
10/25/2023 02:00 AM	0.0	201.8	284.7	223.7
10/25/2023 03:00 AM	0.0	201.8	284.7	223.7
10/25/2023 04:00 AM	0.0	201.9	284.8	223.7
10/25/2023 05:00 AM	0.0	201.9	284.8	223.7
10/25/2023 06:00 AM	0.0	201.9	284.8	223.7
10/25/2023 07:00 AM	0.0	201.9	284.8	223.7
10/25/2023 08:00 AM	0.0	201.9	284.8	223.7
10/25/2023 09:00 AM	0.0	201.9	284.8	223.7
10/25/2023 10:00 AM	0.0	201.9	284.8	223.7
10/25/2023 11:00 AM	0.0	201.8	284.8	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/25/2023 12:00 PM	0.0	201.8	284.7	223.7
10/25/2023 01:00 PM	0.0	201.7	284.7	223.7
10/25/2023 02:00 PM				
10/25/2023 03:00 PM				
10/25/2023 04:00 PM			284.6	223.7
10/25/2023 05:00 PM				
10/25/2023 06:00 PM	0.0	201.6	284.7	223.7
10/25/2023 07:00 PM	0.0	201.6	284.6	223.7
10/25/2023 08:00 PM	0.0	201.6	284.6	223.7
10/25/2023 09:00 PM	0.0	201.6	284.6	223.7
10/25/2023 10:00 PM	0.0	201.6	284.7	223.7
10/25/2023 11:00 PM	0.0	201.6	284.7	223.7
10/26/2023 12:00 AM	0.0	201.6	284.7	223.7
10/26/2023 01:00 AM	0.0	201.6	284.7	223.7
10/26/2023 02:00 AM	0.0	201.6	284.7	223.7
10/26/2023 03:00 AM	0.0	201.7	284.7	223.7
10/26/2023 04:00 AM	0.0	201.7	284.7	223.7
10/26/2023 05:00 AM	0.0	201.7	284.7	223.7
10/26/2023 06:00 AM	0.0	201.6	284.7	223.7
10/26/2023 07:00 AM	0.0	201.6	284.7	223.7
10/26/2023 08:00 AM	198.4	201.6	284.7	223.7
10/26/2023 09:00 AM	209.4	201.6	284.8	223.7
10/26/2023 10:00 AM	209.5	201.6	284.9	223.7
10/26/2023 11:00 AM	209.6	201.6	285.0	223.7
10/26/2023 12:00 PM	209.7	201.6	285.0	223.7
10/26/2023 01:00 PM	209.6	201.6	285.0	223.7
10/26/2023 02:00 PM	209.6	201.6	285.0	223.7
10/26/2023 03:00 PM	66.4	201.9	285.0	223.7
10/26/2023 04:00 PM	0.0	201.8	284.9	223.7
10/26/2023 05:00 PM	0.0	201.7	284.9	223.7
10/26/2023 06:00 PM	0.0	201.7	284.8	223.7
10/26/2023 07:00 PM	0.0	201.7	284.8	223.7
10/26/2023 08:00 PM	0.0	201.7	284.8	223.7
10/26/2023 09:00 PM	0.0	201.6	284.8	223.7
10/26/2023 10:00 PM	0.0	201.6	284.8	223.7
10/26/2023 11:00 PM	0.0	201.6	284.8	223.7
10/27/2023 12:00 AM	0.0	201.7	284.8	223.7
10/27/2023 01:00 AM	0.0	201.7	284.8	223.7
10/27/2023 02:00 AM	0.0	201.7	284.8	223.7
10/27/2023 03:00 AM	0.0	201.8	284.8	223.7
10/27/2023 04:00 AM	0.0	201.8	284.8	223.7
10/27/2023 05:00 AM	0.0	201.8	284.8	223.7
10/27/2023 06:00 AM	0.0	201.9	284.9	223.7
10/27/2023 07:00 AM	0.0	201.9	284.8	223.7
10/27/2023 08:00 AM	0.0	201.8	284.9	223.7
10/27/2023 09:00 AM	0.0	201.8	284.8	223.7
10/27/2023 10:00 AM	0.0	201.8	284.9	223.7
10/27/2023 11:00 AM	0.0	201.8	284.9	223.7
10/27/2023 12:00 PM	0.0	201.8	284.9	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/27/2023 01:00 PM	0.0	201.8	284.9	223.7
10/27/2023 02:00 PM	0.0	201.6	284.7	223.7
10/27/2023 03:00 PM	0.0	201.6	284.7	223.7
10/27/2023 04:00 PM	0.0	201.6	284.7	223.7
10/27/2023 05:00 PM	0.0	201.5	284.7	223.7
10/27/2023 06:00 PM	0.0	201.5	284.6	223.7
10/27/2023 07:00 PM	0.0	201.5	284.7	223.7
10/27/2023 08:00 PM	0.0	201.5	284.7	223.7
10/27/2023 09:00 PM	0.0	201.5	284.7	223.7
10/27/2023 10:00 PM	0.0	201.5	284.7	223.7
10/27/2023 11:00 PM	0.0	201.5	284.7	223.7
10/28/2023 12:00 AM	0.0	201.5	284.7	223.7
10/28/2023 01:00 AM	0.0	201.5	284.7	223.7
10/28/2023 02:00 AM	0.0	201.4	284.7	223.7
10/28/2023 03:00 AM	0.0	201.4	284.6	223.7
10/28/2023 04:00 AM	0.0	201.4	284.6	223.7
10/28/2023 05:00 AM	0.0	201.4	284.6	223.7
10/28/2023 06:00 AM	0.0	201.3	284.5	223.7
10/28/2023 07:00 AM	0.0	201.3	284.5	223.7
10/28/2023 08:00 AM	0.0	201.3	284.5	223.7
10/28/2023 09:00 AM	0.0	201.3	284.5	223.7
10/28/2023 10:00 AM	0.0	201.3	284.6	223.7
10/28/2023 11:00 AM	0.0	201.3	284.6	223.7
10/28/2023 12:00 PM	0.0	201.3	284.5	223.7
10/28/2023 01:00 PM	0.0	201.3	284.5	223.7
10/28/2023 02:00 PM	0.0	201.3	284.5	223.7
10/28/2023 03:00 PM	0.0	201.3	284.5	223.7
10/28/2023 04:00 PM	0.0	201.2	284.5	223.7
10/28/2023 05:00 PM	0.0	201.2	284.5	223.7
10/28/2023 06:00 PM	0.0	201.2	284.5	223.7
10/28/2023 07:00 PM	0.0	201.2	284.5	223.7
10/28/2023 08:00 PM	0.0	201.2	284.5	223.7
10/28/2023 09:00 PM	0.0	201.2	284.5	223.7
10/28/2023 10:00 PM	0.0	201.2	284.5	223.7
10/28/2023 11:00 PM	0.0	201.3	284.5	223.7
10/29/2023 12:00 AM	0.0	201.3	284.6	223.7
10/29/2023 01:00 AM	0.0	201.3	284.5	223.7
10/29/2023 02:00 AM	0.0	201.2	284.5	223.7
10/29/2023 03:00 AM	0.0	201.2	284.5	223.7
10/29/2023 04:00 AM	0.0	201.2	284.5	223.7
10/29/2023 05:00 AM	0.0	201.2	284.5	223.7
10/29/2023 06:00 AM	0.0	201.2	284.5	223.7
10/29/2023 07:00 AM	0.0	201.2	284.4	223.7
10/29/2023 08:00 AM	0.0	201.2	284.5	223.7
10/29/2023 09:00 AM	0.0	201.2	284.4	223.7
10/29/2023 10:00 AM	0.0	201.2	284.5	223.7
10/29/2023 11:00 AM	0.0	201.2	284.5	223.7
10/29/2023 12:00 PM	0.0	201.2	284.5	223.7
10/29/2023 01:00 PM	0.0	201.2	284.5	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/29/2023 02:00 PM	0.0	201.2	284.5	223.7
10/29/2023 03:00 PM	0.0	201.2	284.5	223.7
10/29/2023 04:00 PM	0.0	201.1	284.5	223.7
10/29/2023 05:00 PM	0.0	201.1	284.5	223.7
10/29/2023 06:00 PM	0.0	201.1	284.5	223.7
10/29/2023 07:00 PM	0.0	201.1	284.5	223.7
10/29/2023 08:00 PM	0.0	201.2	284.5	223.7
10/29/2023 09:00 PM	0.0	201.2	284.6	223.7
10/29/2023 10:00 PM	0.0	201.2	284.6	223.7
10/29/2023 11:00 PM	0.0	201.3	284.6	223.7
10/30/2023 12:00 AM	0.0	201.3	284.7	223.7
10/30/2023 01:00 AM	0.0	201.4	284.7	223.7
10/30/2023 02:00 AM	0.0	201.5	284.8	223.7
10/30/2023 03:00 AM	0.0	201.6	284.8	223.7
10/30/2023 04:00 AM	0.0	201.6	284.8	223.7
10/30/2023 05:00 AM	0.0	201.6	284.9	223.7
10/30/2023 06:00 AM	0.0	201.7	284.9	223.7
10/30/2023 07:00 AM	0.0	201.7	284.9	223.7
10/30/2023 08:00 AM	0.0	201.7	284.9	223.7
10/30/2023 09:00 AM	0.0	201.6	284.9	223.7
10/30/2023 10:00 AM	0.0	201.6	284.9	223.7
10/30/2023 11:00 AM	0.0	201.6	284.9	223.7
10/30/2023 12:00 PM	0.0	201.6	284.9	223.7
10/30/2023 01:00 PM	0.0	201.6	284.9	223.7
10/30/2023 02:00 PM	0.0	201.5	284.9	223.7
10/30/2023 03:00 PM	0.0	201.5	284.8	223.7
10/30/2023 04:00 PM	0.0	201.4	284.8	223.7
10/30/2023 05:00 PM	0.0	201.4	284.8	223.7
10/30/2023 06:00 PM	0.0	201.4	284.7	223.7
10/30/2023 07:00 PM	0.0	201.4	284.7	223.7
10/30/2023 08:00 PM	0.0	201.4	284.7	223.7
10/30/2023 09:00 PM	0.0	201.4	284.8	223.7
10/30/2023 10:00 PM	0.0	201.4	284.8	223.7
10/30/2023 11:00 PM	0.0	201.4	284.8	223.7
10/31/2023 12:00 AM	0.0	201.4	284.7	223.7
10/31/2023 01:00 AM	0.0	201.4	284.8	223.7
10/31/2023 02:00 AM	0.0	201.4	284.8	223.7
10/31/2023 03:00 AM	0.0	201.3	284.8	223.7
10/31/2023 04:00 AM	0.0	201.3	284.7	223.7
10/31/2023 05:00 AM	0.0	201.3	284.7	223.7
10/31/2023 06:00 AM	0.0	201.3	284.7	223.7
10/31/2023 07:00 AM	0.0	201.3	284.7	223.7
10/31/2023 08:00 AM	198.1	201.3	284.7	223.7
10/31/2023 09:00 AM	209.0	201.3	284.8	223.7
10/31/2023 10:00 AM	209.0	201.3	284.8	223.7
10/31/2023 11:00 AM	209.0	201.3	284.8	223.7
10/31/2023 12:00 PM	209.0	201.3	284.8	223.7
10/31/2023 01:00 PM	209.5	201.3	285.1	223.7
10/31/2023 02:00 PM	10.5	202.2	285.1	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
October 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
10/31/2023 03:00 PM	0.0	201.7	285.0	223.7
10/31/2023 04:00 PM	0.0	201.6	284.9	223.7
10/31/2023 05:00 PM	0.0	201.5	284.8	223.7
10/31/2023 06:00 PM	0.0	201.4	284.8	223.7
10/31/2023 07:00 PM	0.0	201.4	284.8	223.7
10/31/2023 08:00 PM	0.0	201.4	284.8	223.7
10/31/2023 09:00 PM	0.0	201.3	284.8	223.7
10/31/2023 10:00 PM	0.0	201.3	284.7	223.7
10/31/2023 11:00 PM	0.0	201.3	284.7	223.7

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/01/2023 12:00 AM	0.0	0.0	0.0
10/01/2023 01:00 AM	0.0	0.0	0.0
10/01/2023 02:00 AM	0.0	0.0	0.0
10/01/2023 03:00 AM	0.0	0.0	0.0
10/01/2023 04:00 AM	0.0	0.0	0.0
10/01/2023 05:00 AM	0.0	0.0	0.0
10/01/2023 06:00 AM	0.0	0.0	0.0
10/01/2023 07:00 AM	0.0	0.0	0.0
10/01/2023 08:00 AM	0.0	0.0	0.0
10/01/2023 09:00 AM	0.0	0.0	0.0
10/01/2023 10:00 AM	0.0	0.0	0.0
10/01/2023 11:00 AM	0.0	0.0	0.0
10/01/2023 12:00 PM	0.0	0.0	0.0
10/01/2023 01:00 PM	0.0	0.0	0.0
10/01/2023 02:00 PM	0.0	0.0	0.0
10/01/2023 03:00 PM	0.0	0.0	0.0
10/01/2023 04:00 PM	0.0	0.0	0.0
10/01/2023 05:00 PM	0.0	0.0	0.0
10/01/2023 06:00 PM	0.0	0.0	0.0
10/01/2023 07:00 PM	0.0	0.0	0.0
10/01/2023 08:00 PM	0.0	0.0	0.0
10/01/2023 09:00 PM	0.0	0.0	0.0
10/01/2023 10:00 PM	0.0	0.0	0.0
10/01/2023 11:00 PM	0.0	0.0	0.0
10/02/2023 12:00 AM	0.0	0.0	0.0
10/02/2023 01:00 AM	0.0	0.0	0.0
10/02/2023 02:00 AM	0.0	0.0	0.0
10/02/2023 03:00 AM	0.0	0.0	0.0
10/02/2023 04:00 AM	0.0	0.0	0.0
10/02/2023 05:00 AM	0.0	0.0	0.0
10/02/2023 06:00 AM	0.0	0.0	0.0
10/02/2023 07:00 AM	0.0	0.0	0.0
10/02/2023 08:00 AM	0.0	0.0	0.0
10/02/2023 09:00 AM	0.0	0.0	0.0
10/02/2023 10:00 AM	0.0	0.0	0.0
10/02/2023 11:00 AM	0.0	0.0	0.0
10/02/2023 12:00 PM	0.0	0.0	0.0
10/02/2023 01:00 PM	0.0	0.0	0.0
10/02/2023 02:00 PM	0.0	0.0	0.0
10/02/2023 03:00 PM	0.0	0.0	0.0
10/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/02/2023 05:00 PM	0.0	0.0	0.0
10/02/2023 06:00 PM	0.0	0.0	0.0
10/02/2023 07:00 PM	0.0	0.0	0.0
10/02/2023 08:00 PM	0.0	0.0	0.0
10/02/2023 09:00 PM	0.0	0.0	0.0
10/02/2023 10:00 PM	0.0	0.0	0.0
10/02/2023 11:00 PM	0.0	0.0	0.0
10/03/2023 12:00 AM	0.0	0.0	0.0
10/03/2023 01:00 AM	0.0	0.0	0.0
10/03/2023 02:00 AM	0.0	0.0	0.0
10/03/2023 03:00 AM	0.0	0.0	0.0
10/03/2023 04:00 AM	0.0	0.0	0.0
10/03/2023 05:00 AM	0.0	0.0	0.0
10/03/2023 06:00 AM	0.0	0.0	0.0
10/03/2023 07:00 AM	0.0	0.0	0.0
10/03/2023 08:00 AM	2,057.5	0.0	1,725.7
10/03/2023 09:00 AM	1,792.5	1,719.5	1,747.5
10/03/2023 10:00 AM	1,721.1	1,691.5	1,707.1
10/03/2023 11:00 AM	1,696.7	1,672.9	1,682.6
10/03/2023 12:00 PM	1,679.3	1,660.0	1,668.3
10/03/2023 01:00 PM	1,661.7	1,645.5	1,653.5
10/03/2023 02:00 PM	1,649.8	0.0	82.4
10/03/2023 03:00 PM	0.0	0.0	0.0
10/03/2023 04:00 PM	0.0	0.0	0.0
10/03/2023 05:00 PM	0.0	0.0	0.0
10/03/2023 06:00 PM	0.0	0.0	0.0
10/03/2023 07:00 PM	0.0	0.0	0.0
10/03/2023 08:00 PM	0.0	0.0	0.0
10/03/2023 09:00 PM	0.0	0.0	0.0
10/03/2023 10:00 PM	0.0	0.0	0.0
10/03/2023 11:00 PM	0.0	0.0	0.0
10/04/2023 12:00 AM	0.0	0.0	0.0
10/04/2023 01:00 AM	0.0	0.0	0.0
10/04/2023 02:00 AM	0.0	0.0	0.0
10/04/2023 03:00 AM	0.0	0.0	0.0
10/04/2023 04:00 AM	0.0	0.0	0.0
10/04/2023 05:00 AM	0.0	0.0	0.0
10/04/2023 06:00 AM	0.0	0.0	0.0
10/04/2023 07:00 AM	0.0	0.0	0.0
10/04/2023 08:00 AM	0.0	0.0	0.0
10/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/04/2023 10:00 AM	0.0	0.0	0.0
10/04/2023 11:00 AM	0.0	0.0	0.0
10/04/2023 12:00 PM	0.0	0.0	0.0
10/04/2023 01:00 PM	0.0	0.0	0.0
10/04/2023 02:00 PM	0.0	0.0	0.0
10/04/2023 03:00 PM	0.0	0.0	0.0
10/04/2023 04:00 PM	0.0	0.0	0.0
10/04/2023 05:00 PM	0.0	0.0	0.0
10/04/2023 06:00 PM	0.0	0.0	0.0
10/04/2023 07:00 PM	0.0	0.0	0.0
10/04/2023 08:00 PM	0.0	0.0	0.0
10/04/2023 09:00 PM	0.0	0.0	0.0
10/04/2023 10:00 PM	0.0	0.0	0.0
10/04/2023 11:00 PM	0.0	0.0	0.0
10/05/2023 12:00 AM	0.0	0.0	0.0
10/05/2023 01:00 AM	0.0	0.0	0.0
10/05/2023 02:00 AM	0.0	0.0	0.0
10/05/2023 03:00 AM	0.0	0.0	0.0
10/05/2023 04:00 AM	0.0	0.0	0.0
10/05/2023 05:00 AM	0.0	0.0	0.0
10/05/2023 06:00 AM	0.0	0.0	0.0
10/05/2023 07:00 AM	0.0	0.0	0.0
10/05/2023 08:00 AM	1,812.5	0.0	1,688.9
10/05/2023 09:00 AM	1,762.0	1,720.3	1,738.1
10/05/2023 10:00 AM	1,721.3	1,689.7	1,707.0
10/05/2023 11:00 AM	1,690.1	1,657.4	1,672.3
10/05/2023 12:00 PM	1,659.5	1,625.5	1,639.6
10/05/2023 01:00 PM	1,628.0	1,607.1	1,618.5
10/05/2023 02:00 PM	1,613.3	0.0	80.6
10/05/2023 03:00 PM	0.0	0.0	0.0
10/05/2023 04:00 PM	0.0	0.0	0.0
10/05/2023 05:00 PM	0.0	0.0	0.0
10/05/2023 06:00 PM	0.0	0.0	0.0
10/05/2023 07:00 PM	0.0	0.0	0.0
10/05/2023 08:00 PM	0.0	0.0	0.0
10/05/2023 09:00 PM	0.0	0.0	0.0
10/05/2023 10:00 PM	0.0	0.0	0.0
10/05/2023 11:00 PM	0.0	0.0	0.0
10/06/2023 12:00 AM	0.0	0.0	0.0
10/06/2023 01:00 AM	0.0	0.0	0.0
10/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/06/2023 03:00 AM	0.0	0.0	0.0
10/06/2023 04:00 AM	0.0	0.0	0.0
10/06/2023 05:00 AM	0.0	0.0	0.0
10/06/2023 06:00 AM	0.0	0.0	0.0
10/06/2023 07:00 AM	0.0	0.0	0.0
10/06/2023 08:00 AM	0.0	0.0	0.0
10/06/2023 09:00 AM	0.0	0.0	0.0
10/06/2023 10:00 AM	0.0	0.0	0.0
10/06/2023 11:00 AM	0.0	0.0	0.0
10/06/2023 12:00 PM	0.0	0.0	0.0
10/06/2023 01:00 PM	0.0	0.0	0.0
10/06/2023 02:00 PM	0.0	0.0	0.0
10/06/2023 03:00 PM	0.0	0.0	0.0
10/06/2023 04:00 PM	0.0	0.0	0.0
10/06/2023 05:00 PM	0.0	0.0	0.0
10/06/2023 06:00 PM	0.0	0.0	0.0
10/06/2023 07:00 PM	0.0	0.0	0.0
10/06/2023 08:00 PM	0.0	0.0	0.0
10/06/2023 09:00 PM	0.0	0.0	0.0
10/06/2023 10:00 PM	0.0	0.0	0.0
10/06/2023 11:00 PM	0.0	0.0	0.0
10/07/2023 12:00 AM	0.0	0.0	0.0
10/07/2023 01:00 AM	0.0	0.0	0.0
10/07/2023 02:00 AM	0.0	0.0	0.0
10/07/2023 03:00 AM	0.0	0.0	0.0
10/07/2023 04:00 AM	0.0	0.0	0.0
10/07/2023 05:00 AM	0.0	0.0	0.0
10/07/2023 06:00 AM	0.0	0.0	0.0
10/07/2023 07:00 AM	0.0	0.0	0.0
10/07/2023 08:00 AM	0.0	0.0	0.0
10/07/2023 09:00 AM	0.0	0.0	0.0
10/07/2023 10:00 AM	0.0	0.0	0.0
10/07/2023 11:00 AM	0.0	0.0	0.0
10/07/2023 12:00 PM	0.0	0.0	0.0
10/07/2023 01:00 PM	0.0	0.0	0.0
10/07/2023 02:00 PM	0.0	0.0	0.0
10/07/2023 03:00 PM	0.0	0.0	0.0
10/07/2023 04:00 PM	0.0	0.0	0.0
10/07/2023 05:00 PM	0.0	0.0	0.0
10/07/2023 06:00 PM	0.0	0.0	0.0
10/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/07/2023 08:00 PM	0.0	0.0	0.0
10/07/2023 09:00 PM	0.0	0.0	0.0
10/07/2023 10:00 PM	0.0	0.0	0.0
10/07/2023 11:00 PM	0.0	0.0	0.0
10/08/2023 12:00 AM	0.0	0.0	0.0
10/08/2023 01:00 AM	0.0	0.0	0.0
10/08/2023 02:00 AM	0.0	0.0	0.0
10/08/2023 03:00 AM	0.0	0.0	0.0
10/08/2023 04:00 AM	0.0	0.0	0.0
10/08/2023 05:00 AM	0.0	0.0	0.0
10/08/2023 06:00 AM	0.0	0.0	0.0
10/08/2023 07:00 AM	0.0	0.0	0.0
10/08/2023 08:00 AM	0.0	0.0	0.0
10/08/2023 09:00 AM	0.0	0.0	0.0
10/08/2023 10:00 AM	0.0	0.0	0.0
10/08/2023 11:00 AM	0.0	0.0	0.0
10/08/2023 12:00 PM	0.0	0.0	0.0
10/08/2023 01:00 PM	0.0	0.0	0.0
10/08/2023 02:00 PM	0.0	0.0	0.0
10/08/2023 03:00 PM	0.0	0.0	0.0
10/08/2023 04:00 PM	0.0	0.0	0.0
10/08/2023 05:00 PM	0.0	0.0	0.0
10/08/2023 06:00 PM	0.0	0.0	0.0
10/08/2023 07:00 PM	0.0	0.0	0.0
10/08/2023 08:00 PM	0.0	0.0	0.0
10/08/2023 09:00 PM	0.0	0.0	0.0
10/08/2023 10:00 PM	0.0	0.0	0.0
10/08/2023 11:00 PM	0.0	0.0	0.0
10/09/2023 12:00 AM	0.0	0.0	0.0
10/09/2023 01:00 AM	0.0	0.0	0.0
10/09/2023 02:00 AM	0.0	0.0	0.0
10/09/2023 03:00 AM	0.0	0.0	0.0
10/09/2023 04:00 AM	0.0	0.0	0.0
10/09/2023 05:00 AM	0.0	0.0	0.0
10/09/2023 06:00 AM	0.0	0.0	0.0
10/09/2023 07:00 AM	0.0	0.0	0.0
10/09/2023 08:00 AM	0.0	0.0	0.0
10/09/2023 09:00 AM	0.0	0.0	0.0
10/09/2023 10:00 AM	0.0	0.0	0.0
10/09/2023 11:00 AM	0.0	0.0	0.0
10/09/2023 12:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/09/2023 01:00 PM	0.0	0.0	0.0
10/09/2023 02:00 PM	0.0	0.0	0.0
10/09/2023 03:00 PM	0.0	0.0	0.0
10/09/2023 04:00 PM	0.0	0.0	0.0
10/09/2023 05:00 PM	0.0	0.0	0.0
10/09/2023 06:00 PM	0.0	0.0	0.0
10/09/2023 07:00 PM	0.0	0.0	0.0
10/09/2023 08:00 PM	0.0	0.0	0.0
10/09/2023 09:00 PM	0.0	0.0	0.0
10/09/2023 10:00 PM	0.0	0.0	0.0
10/09/2023 11:00 PM	0.0	0.0	0.0
10/10/2023 12:00 AM	0.0	0.0	0.0
10/10/2023 01:00 AM	0.0	0.0	0.0
10/10/2023 02:00 AM	0.0	0.0	0.0
10/10/2023 03:00 AM	0.0	0.0	0.0
10/10/2023 04:00 AM	0.0	0.0	0.0
10/10/2023 05:00 AM	0.0	0.0	0.0
10/10/2023 06:00 AM	0.0	0.0	0.0
10/10/2023 07:00 AM	0.0	0.0	0.0
10/10/2023 08:00 AM	1,877.9	0.0	1,705.5
10/10/2023 09:00 AM	1,775.0	1,729.7	1,748.1
10/10/2023 10:00 AM	1,729.7	1,714.5	1,722.6
10/10/2023 11:00 AM	1,715.9	1,698.9	1,707.5
10/10/2023 12:00 PM	1,704.1	1,683.3	1,693.3
10/10/2023 01:00 PM	1,685.8	1,665.1	1,675.7
10/10/2023 02:00 PM	1,665.6	0.0	83.3
10/10/2023 03:00 PM	0.0	0.0	0.0
10/10/2023 04:00 PM	0.0	0.0	0.0
10/10/2023 05:00 PM	0.0	0.0	0.0
10/10/2023 06:00 PM	0.0	0.0	0.0
10/10/2023 07:00 PM	0.0	0.0	0.0
10/10/2023 08:00 PM	0.0	0.0	0.0
10/10/2023 09:00 PM	0.0	0.0	0.0
10/10/2023 10:00 PM	0.0	0.0	0.0
10/10/2023 11:00 PM	0.0	0.0	0.0
10/11/2023 12:00 AM	0.0	0.0	0.0
10/11/2023 01:00 AM	0.0	0.0	0.0
10/11/2023 02:00 AM	0.0	0.0	0.0
10/11/2023 03:00 AM	0.0	0.0	0.0
10/11/2023 04:00 AM	0.0	0.0	0.0
10/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/11/2023 06:00 AM	0.0	0.0	0.0
10/11/2023 07:00 AM	0.0	0.0	0.0
10/11/2023 08:00 AM	0.0	0.0	0.0
10/11/2023 09:00 AM	0.0	0.0	0.0
10/11/2023 10:00 AM	0.0	0.0	0.0
10/11/2023 11:00 AM	0.0	0.0	0.0
10/11/2023 12:00 PM	0.0	0.0	0.0
10/11/2023 01:00 PM	0.0	0.0	0.0
10/11/2023 02:00 PM	0.0	0.0	0.0
10/11/2023 03:00 PM	0.0	0.0	0.0
10/11/2023 04:00 PM	0.0	0.0	0.0
10/11/2023 05:00 PM	0.0	0.0	0.0
10/11/2023 06:00 PM	0.0	0.0	0.0
10/11/2023 07:00 PM	0.0	0.0	0.0
10/11/2023 08:00 PM	0.0	0.0	0.0
10/11/2023 09:00 PM	0.0	0.0	0.0
10/11/2023 10:00 PM	0.0	0.0	0.0
10/11/2023 11:00 PM	0.0	0.0	0.0
10/12/2023 12:00 AM	0.0	0.0	0.0
10/12/2023 01:00 AM	0.0	0.0	0.0
10/12/2023 02:00 AM	0.0	0.0	0.0
10/12/2023 03:00 AM	0.0	0.0	0.0
10/12/2023 04:00 AM	0.0	0.0	0.0
10/12/2023 05:00 AM	0.0	0.0	0.0
10/12/2023 06:00 AM	0.0	0.0	0.0
10/12/2023 07:00 AM	0.0	0.0	0.0
10/12/2023 08:00 AM	1,818.7	0.0	1,694.8
10/12/2023 09:00 AM	1,772.9	1,725.9	1,746.4
10/12/2023 10:00 AM	1,730.5	1,693.6	1,711.9
10/12/2023 11:00 AM	1,696.2	1,654.9	1,675.7
10/12/2023 12:00 PM	1,658.2	1,626.9	1,643.3
10/12/2023 01:00 PM	1,637.0	1,607.3	1,622.5
10/12/2023 02:00 PM	1,614.7	0.0	80.7
10/12/2023 03:00 PM	0.0	0.0	0.0
10/12/2023 04:00 PM	0.0	0.0	0.0
10/12/2023 05:00 PM	0.0	0.0	0.0
10/12/2023 06:00 PM	0.0	0.0	0.0
10/12/2023 07:00 PM	0.0	0.0	0.0
10/12/2023 08:00 PM	0.0	0.0	0.0
10/12/2023 09:00 PM	0.0	0.0	0.0
10/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/12/2023 11:00 PM	0.0	0.0	0.0
10/13/2023 12:00 AM	0.0	0.0	0.0
10/13/2023 01:00 AM	0.0	0.0	0.0
10/13/2023 02:00 AM	0.0	0.0	0.0
10/13/2023 03:00 AM	0.0	0.0	0.0
10/13/2023 04:00 AM	0.0	0.0	0.0
10/13/2023 05:00 AM	0.0	0.0	0.0
10/13/2023 06:00 AM	0.0	0.0	0.0
10/13/2023 07:00 AM	0.0	0.0	0.0
10/13/2023 08:00 AM	0.0	0.0	0.0
10/13/2023 09:00 AM	0.0	0.0	0.0
10/13/2023 10:00 AM	0.0	0.0	0.0
10/13/2023 11:00 AM	0.0	0.0	0.0
10/13/2023 12:00 PM	0.0	0.0	0.0
10/13/2023 01:00 PM	0.0	0.0	0.0
10/13/2023 02:00 PM	0.0	0.0	0.0
10/13/2023 03:00 PM	0.0	0.0	0.0
10/13/2023 04:00 PM	0.0	0.0	0.0
10/13/2023 05:00 PM	0.0	0.0	0.0
10/13/2023 06:00 PM	0.0	0.0	0.0
10/13/2023 07:00 PM	0.0	0.0	0.0
10/13/2023 08:00 PM	0.0	0.0	0.0
10/13/2023 09:00 PM	0.0	0.0	0.0
10/13/2023 10:00 PM	0.0	0.0	0.0
10/13/2023 11:00 PM	0.0	0.0	0.0
10/14/2023 12:00 AM	0.0	0.0	0.0
10/14/2023 01:00 AM	0.0	0.0	0.0
10/14/2023 02:00 AM	0.0	0.0	0.0
10/14/2023 03:00 AM	0.0	0.0	0.0
10/14/2023 04:00 AM	0.0	0.0	0.0
10/14/2023 05:00 AM	0.0	0.0	0.0
10/14/2023 06:00 AM	0.0	0.0	0.0
10/14/2023 07:00 AM	0.0	0.0	0.0
10/14/2023 08:00 AM	0.0	0.0	0.0
10/14/2023 09:00 AM	0.0	0.0	0.0
10/14/2023 10:00 AM	0.0	0.0	0.0
10/14/2023 11:00 AM	0.0	0.0	0.0
10/14/2023 12:00 PM	0.0	0.0	0.0
10/14/2023 01:00 PM	0.0	0.0	0.0
10/14/2023 02:00 PM	0.0	0.0	0.0
10/14/2023 03:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/14/2023 04:00 PM	0.0	0.0	0.0
10/14/2023 05:00 PM	0.0	0.0	0.0
10/14/2023 06:00 PM	0.0	0.0	0.0
10/14/2023 07:00 PM	0.0	0.0	0.0
10/14/2023 08:00 PM	0.0	0.0	0.0
10/14/2023 09:00 PM	0.0	0.0	0.0
10/14/2023 10:00 PM	0.0	0.0	0.0
10/14/2023 11:00 PM	0.0	0.0	0.0
10/15/2023 12:00 AM	0.0	0.0	0.0
10/15/2023 01:00 AM	0.0	0.0	0.0
10/15/2023 02:00 AM	0.0	0.0	0.0
10/15/2023 03:00 AM	0.0	0.0	0.0
10/15/2023 04:00 AM	0.0	0.0	0.0
10/15/2023 05:00 AM	0.0	0.0	0.0
10/15/2023 06:00 AM	0.0	0.0	0.0
10/15/2023 07:00 AM	0.0	0.0	0.0
10/15/2023 08:00 AM	0.0	0.0	0.0
10/15/2023 09:00 AM	0.0	0.0	0.0
10/15/2023 10:00 AM	0.0	0.0	0.0
10/15/2023 11:00 AM	0.0	0.0	0.0
10/15/2023 12:00 PM	0.0	0.0	0.0
10/15/2023 01:00 PM	0.0	0.0	0.0
10/15/2023 02:00 PM	0.0	0.0	0.0
10/15/2023 03:00 PM	0.0	0.0	0.0
10/15/2023 04:00 PM	0.0	0.0	0.0
10/15/2023 05:00 PM	0.0	0.0	0.0
10/15/2023 06:00 PM	0.0	0.0	0.0
10/15/2023 07:00 PM	0.0	0.0	0.0
10/15/2023 08:00 PM	0.0	0.0	0.0
10/15/2023 09:00 PM	0.0	0.0	0.0
10/15/2023 10:00 PM	0.0	0.0	0.0
10/15/2023 11:00 PM	0.0	0.0	0.0
10/16/2023 12:00 AM	0.0	0.0	0.0
10/16/2023 01:00 AM	0.0	0.0	0.0
10/16/2023 02:00 AM	0.0	0.0	0.0
10/16/2023 03:00 AM	0.0	0.0	0.0
10/16/2023 04:00 AM	0.0	0.0	0.0
10/16/2023 05:00 AM	0.0	0.0	0.0
10/16/2023 06:00 AM	0.0	0.0	0.0
10/16/2023 07:00 AM	0.0	0.0	0.0
10/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/16/2023 09:00 AM	0.0	0.0	0.0
10/16/2023 10:00 AM	0.0	0.0	0.0
10/16/2023 11:00 AM	0.0	0.0	0.0
10/16/2023 12:00 PM	0.0	0.0	0.0
10/16/2023 01:00 PM	0.0	0.0	0.0
10/16/2023 02:00 PM	0.0	0.0	0.0
10/16/2023 03:00 PM	0.0	0.0	0.0
10/16/2023 04:00 PM	0.0	0.0	0.0
10/16/2023 05:00 PM	0.0	0.0	0.0
10/16/2023 06:00 PM	0.0	0.0	0.0
10/16/2023 07:00 PM	0.0	0.0	0.0
10/16/2023 08:00 PM	0.0	0.0	0.0
10/16/2023 09:00 PM	0.0	0.0	0.0
10/16/2023 10:00 PM	0.0	0.0	0.0
10/16/2023 11:00 PM	0.0	0.0	0.0
10/17/2023 12:00 AM	0.0	0.0	0.0
10/17/2023 01:00 AM	0.0	0.0	0.0
10/17/2023 02:00 AM	0.0	0.0	0.0
10/17/2023 03:00 AM	0.0	0.0	0.0
10/17/2023 04:00 AM	0.0	0.0	0.0
10/17/2023 05:00 AM	0.0	0.0	0.0
10/17/2023 06:00 AM	0.0	0.0	0.0
10/17/2023 07:00 AM	0.0	0.0	0.0
10/17/2023 08:00 AM	1,847.7	0.0	1,732.0
10/17/2023 09:00 AM	1,809.2	1,765.2	1,781.6
10/17/2023 10:00 AM	1,766.3	1,744.7	1,754.8
10/17/2023 11:00 AM	1,748.1	1,726.5	1,736.5
10/17/2023 12:00 PM	1,727.7	1,708.3	1,718.2
10/17/2023 01:00 PM	1,708.7	1,683.0	1,697.1
10/17/2023 02:00 PM	1,683.0	0.0	84.1
10/17/2023 03:00 PM	0.0	0.0	0.0
10/17/2023 04:00 PM	0.0	0.0	0.0
10/17/2023 05:00 PM	0.0	0.0	0.0
10/17/2023 06:00 PM	0.0	0.0	0.0
10/17/2023 07:00 PM	0.0	0.0	0.0
10/17/2023 08:00 PM	0.0	0.0	0.0
10/17/2023 09:00 PM	0.0	0.0	0.0
10/17/2023 10:00 PM	0.0	0.0	0.0
10/17/2023 11:00 PM	0.0	0.0	0.0
10/18/2023 12:00 AM	0.0	0.0	0.0
10/18/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/18/2023 02:00 AM	0.0	0.0	0.0
10/18/2023 03:00 AM	0.0	0.0	0.0
10/18/2023 04:00 AM	0.0	0.0	0.0
10/18/2023 05:00 AM	0.0	0.0	0.0
10/18/2023 06:00 AM	0.0	0.0	0.0
10/18/2023 07:00 AM	0.0	0.0	0.0
10/18/2023 08:00 AM	0.0	0.0	0.0
10/18/2023 09:00 AM	0.0	0.0	0.0
10/18/2023 10:00 AM	0.0	0.0	0.0
10/18/2023 11:00 AM	0.0	0.0	0.0
10/18/2023 12:00 PM	0.0	0.0	0.0
10/18/2023 01:00 PM	0.0	0.0	0.0
10/18/2023 02:00 PM	0.0	0.0	0.0
10/18/2023 03:00 PM	0.0	0.0	0.0
10/18/2023 04:00 PM	0.0	0.0	0.0
10/18/2023 05:00 PM	0.0	0.0	0.0
10/18/2023 06:00 PM	0.0	0.0	0.0
10/18/2023 07:00 PM	0.0	0.0	0.0
10/18/2023 08:00 PM	0.0	0.0	0.0
10/18/2023 09:00 PM	0.0	0.0	0.0
10/18/2023 10:00 PM	0.0	0.0	0.0
10/18/2023 11:00 PM	0.0	0.0	0.0
10/19/2023 12:00 AM	0.0	0.0	0.0
10/19/2023 01:00 AM	0.0	0.0	0.0
10/19/2023 02:00 AM	0.0	0.0	0.0
10/19/2023 03:00 AM	0.0	0.0	0.0
10/19/2023 04:00 AM	0.0	0.0	0.0
10/19/2023 05:00 AM	0.0	0.0	0.0
10/19/2023 06:00 AM	0.0	0.0	0.0
10/19/2023 07:00 AM	0.0	0.0	0.0
10/19/2023 08:00 AM	1,840.1	0.0	1,682.5
10/19/2023 09:00 AM	1,790.1	1,745.2	1,766.6
10/19/2023 10:00 AM	1,746.3	1,715.3	1,732.3
10/19/2023 11:00 AM	1,715.4	1,675.7	1,696.1
10/19/2023 12:00 PM	1,675.7	1,647.4	1,661.6
10/19/2023 01:00 PM	1,651.9	1,628.5	1,640.1
10/19/2023 02:00 PM	1,637.6	0.0	81.7
10/19/2023 03:00 PM	0.0	0.0	0.0
10/19/2023 04:00 PM	0.0	0.0	0.0
10/19/2023 05:00 PM	0.0	0.0	0.0
10/19/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/19/2023 07:00 PM	0.0	0.0	0.0
10/19/2023 08:00 PM	0.0	0.0	0.0
10/19/2023 09:00 PM	0.0	0.0	0.0
10/19/2023 10:00 PM	0.0	0.0	0.0
10/19/2023 11:00 PM	0.0	0.0	0.0
10/20/2023 12:00 AM	0.0	0.0	0.0
10/20/2023 01:00 AM	0.0	0.0	0.0
10/20/2023 02:00 AM	0.0	0.0	0.0
10/20/2023 03:00 AM	0.0	0.0	0.0
10/20/2023 04:00 AM	0.0	0.0	0.0
10/20/2023 05:00 AM	0.0	0.0	0.0
10/20/2023 06:00 AM	0.0	0.0	0.0
10/20/2023 07:00 AM	0.0	0.0	0.0
10/20/2023 08:00 AM	0.0	0.0	0.0
10/20/2023 09:00 AM	0.0	0.0	0.0
10/20/2023 10:00 AM	0.0	0.0	0.0
10/20/2023 11:00 AM	0.0	0.0	0.0
10/20/2023 12:00 PM	0.0	0.0	0.0
10/20/2023 01:00 PM	0.0	0.0	0.0
10/20/2023 02:00 PM	0.0	0.0	0.0
10/20/2023 03:00 PM	0.0	0.0	0.0
10/20/2023 04:00 PM	0.0	0.0	0.0
10/20/2023 05:00 PM	0.0	0.0	0.0
10/20/2023 06:00 PM	0.0	0.0	0.0
10/20/2023 07:00 PM	0.0	0.0	0.0
10/20/2023 08:00 PM	0.0	0.0	0.0
10/20/2023 09:00 PM	0.0	0.0	0.0
10/20/2023 10:00 PM	0.0	0.0	0.0
10/20/2023 11:00 PM	0.0	0.0	0.0
10/21/2023 12:00 AM	0.0	0.0	0.0
10/21/2023 01:00 AM	0.0	0.0	0.0
10/21/2023 02:00 AM	0.0	0.0	0.0
10/21/2023 03:00 AM	0.0	0.0	0.0
10/21/2023 04:00 AM	0.0	0.0	0.0
10/21/2023 05:00 AM	0.0	0.0	0.0
10/21/2023 06:00 AM	0.0	0.0	0.0
10/21/2023 07:00 AM	0.0	0.0	0.0
10/21/2023 08:00 AM	0.0	0.0	0.0
10/21/2023 09:00 AM	0.0	0.0	0.0
10/21/2023 10:00 AM	0.0	0.0	0.0
10/21/2023 11:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/21/2023 12:00 PM	0.0	0.0	0.0
10/21/2023 01:00 PM	0.0	0.0	0.0
10/21/2023 02:00 PM	0.0	0.0	0.0
10/21/2023 03:00 PM	0.0	0.0	0.0
10/21/2023 04:00 PM	0.0	0.0	0.0
10/21/2023 05:00 PM	0.0	0.0	0.0
10/21/2023 06:00 PM	0.0	0.0	0.0
10/21/2023 07:00 PM	0.0	0.0	0.0
10/21/2023 08:00 PM	0.0	0.0	0.0
10/21/2023 09:00 PM	0.0	0.0	0.0
10/21/2023 10:00 PM	0.0	0.0	0.0
10/21/2023 11:00 PM	0.0	0.0	0.0
10/22/2023 12:00 AM	0.0	0.0	0.0
10/22/2023 01:00 AM	0.0	0.0	0.0
10/22/2023 02:00 AM	0.0	0.0	0.0
10/22/2023 03:00 AM	0.0	0.0	0.0
10/22/2023 04:00 AM	0.0	0.0	0.0
10/22/2023 05:00 AM	0.0	0.0	0.0
10/22/2023 06:00 AM	0.0	0.0	0.0
10/22/2023 07:00 AM	0.0	0.0	0.0
10/22/2023 08:00 AM	0.0	0.0	0.0
10/22/2023 09:00 AM	0.0	0.0	0.0
10/22/2023 10:00 AM	0.0	0.0	0.0
10/22/2023 11:00 AM	0.0	0.0	0.0
10/22/2023 12:00 PM	0.0	0.0	0.0
10/22/2023 01:00 PM	0.0	0.0	0.0
10/22/2023 02:00 PM	0.0	0.0	0.0
10/22/2023 03:00 PM	0.0	0.0	0.0
10/22/2023 04:00 PM	0.0	0.0	0.0
10/22/2023 05:00 PM	0.0	0.0	0.0
10/22/2023 06:00 PM	0.0	0.0	0.0
10/22/2023 07:00 PM	0.0	0.0	0.0
10/22/2023 08:00 PM	0.0	0.0	0.0
10/22/2023 09:00 PM	0.0	0.0	0.0
10/22/2023 10:00 PM	0.0	0.0	0.0
10/22/2023 11:00 PM	0.0	0.0	0.0
10/23/2023 12:00 AM	0.0	0.0	0.0
10/23/2023 01:00 AM	0.0	0.0	0.0
10/23/2023 02:00 AM	0.0	0.0	0.0
10/23/2023 03:00 AM	0.0	0.0	0.0
10/23/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/23/2023 05:00 AM	0.0	0.0	0.0
10/23/2023 06:00 AM	0.0	0.0	0.0
10/23/2023 07:00 AM	0.0	0.0	0.0
10/23/2023 08:00 AM	0.0	0.0	0.0
10/23/2023 09:00 AM	0.0	0.0	0.0
10/23/2023 10:00 AM	0.0	0.0	0.0
10/23/2023 11:00 AM	0.0	0.0	0.0
10/23/2023 12:00 PM	0.0	0.0	0.0
10/23/2023 01:00 PM	0.0	0.0	0.0
10/23/2023 02:00 PM	0.0	0.0	0.0
10/23/2023 03:00 PM	0.0	0.0	0.0
10/23/2023 04:00 PM	0.0	0.0	0.0
10/23/2023 05:00 PM	0.0	0.0	0.0
10/23/2023 06:00 PM	0.0	0.0	0.0
10/23/2023 07:00 PM	0.0	0.0	0.0
10/23/2023 08:00 PM	0.0	0.0	0.0
10/23/2023 09:00 PM	0.0	0.0	0.0
10/23/2023 10:00 PM	0.0	0.0	0.0
10/23/2023 11:00 PM	0.0	0.0	0.0
10/24/2023 12:00 AM	0.0	0.0	0.0
10/24/2023 01:00 AM	0.0	0.0	0.0
10/24/2023 02:00 AM	0.0	0.0	0.0
10/24/2023 03:00 AM	0.0	0.0	0.0
10/24/2023 04:00 AM	0.0	0.0	0.0
10/24/2023 05:00 AM	0.0	0.0	0.0
10/24/2023 06:00 AM	0.0	0.0	0.0
10/24/2023 07:00 AM	0.0	0.0	0.0
10/24/2023 08:00 AM	1,843.5	0.0	1,730.6
10/24/2023 09:00 AM	1,808.7	1,753.1	1,773.4
10/24/2023 10:00 AM	1,753.5	1,735.8	1,744.4
10/24/2023 11:00 AM	1,737.1	1,718.6	1,728.5
10/24/2023 12:00 PM	1,722.1	1,700.6	1,712.0
10/24/2023 01:00 PM	1,703.9	1,691.6	1,697.0
10/24/2023 02:00 PM	1,695.0	0.0	84.7
10/24/2023 03:00 PM	0.0	0.0	0.0
10/24/2023 04:00 PM	0.0	0.0	0.0
10/24/2023 05:00 PM	0.0	0.0	0.0
10/24/2023 06:00 PM	0.0	0.0	0.0
10/24/2023 07:00 PM	0.0	0.0	0.0
10/24/2023 08:00 PM	0.0	0.0	0.0
10/24/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/24/2023 10:00 PM	0.0	0.0	0.0
10/24/2023 11:00 PM	0.0	0.0	0.0
10/25/2023 12:00 AM	0.0	0.0	0.0
10/25/2023 01:00 AM	0.0	0.0	0.0
10/25/2023 02:00 AM	0.0	0.0	0.0
10/25/2023 03:00 AM	0.0	0.0	0.0
10/25/2023 04:00 AM	0.0	0.0	0.0
10/25/2023 05:00 AM	0.0	0.0	0.0
10/25/2023 06:00 AM	0.0	0.0	0.0
10/25/2023 07:00 AM	0.0	0.0	0.0
10/25/2023 08:00 AM	0.0	0.0	0.0
10/25/2023 09:00 AM	0.0	0.0	0.0
10/25/2023 10:00 AM	0.0	0.0	0.0
10/25/2023 11:00 AM	0.0	0.0	0.0
10/25/2023 12:00 PM	0.0	0.0	0.0
10/25/2023 01:00 PM	0.0	0.0	0.0
10/25/2023 02:00 PM			
10/25/2023 03:00 PM			
10/25/2023 04:00 PM			
10/25/2023 05:00 PM			
10/25/2023 06:00 PM	0.0	0.0	0.0
10/25/2023 07:00 PM	0.0	0.0	0.0
10/25/2023 08:00 PM	0.0	0.0	0.0
10/25/2023 09:00 PM	0.0	0.0	0.0
10/25/2023 10:00 PM	0.0	0.0	0.0
10/25/2023 11:00 PM	0.0	0.0	0.0
10/26/2023 12:00 AM	0.0	0.0	0.0
10/26/2023 01:00 AM	0.0	0.0	0.0
10/26/2023 02:00 AM	0.0	0.0	0.0
10/26/2023 03:00 AM	0.0	0.0	0.0
10/26/2023 04:00 AM	0.0	0.0	0.0
10/26/2023 05:00 AM	0.0	0.0	0.0
10/26/2023 06:00 AM	0.0	0.0	0.0
10/26/2023 07:00 AM	0.0	0.0	0.0
10/26/2023 08:00 AM	1,880.9	0.0	1,751.6
10/26/2023 09:00 AM	1,833.1	1,782.5	1,806.0
10/26/2023 10:00 AM	1,783.5	1,747.3	1,766.1
10/26/2023 11:00 AM	1,747.3	1,706.8	1,725.8
10/26/2023 12:00 PM	1,709.1	1,698.3	1,699.2
10/26/2023 01:00 PM	1,698.3	1,698.3	1,698.3
10/26/2023 02:00 PM	1,698.3	1,698.3	1,698.3

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/26/2023 03:00 PM	1,698.3	0.0	537.8
10/26/2023 04:00 PM	0.0	0.0	0.0
10/26/2023 05:00 PM	0.0	0.0	0.0
10/26/2023 06:00 PM	0.0	0.0	0.0
10/26/2023 07:00 PM	0.0	0.0	0.0
10/26/2023 08:00 PM	0.0	0.0	0.0
10/26/2023 09:00 PM	0.0	0.0	0.0
10/26/2023 10:00 PM	0.0	0.0	0.0
10/26/2023 11:00 PM	0.0	0.0	0.0
10/27/2023 12:00 AM	0.0	0.0	0.0
10/27/2023 01:00 AM	0.0	0.0	0.0
10/27/2023 02:00 AM	0.0	0.0	0.0
10/27/2023 03:00 AM	0.0	0.0	0.0
10/27/2023 04:00 AM	0.0	0.0	0.0
10/27/2023 05:00 AM	0.0	0.0	0.0
10/27/2023 06:00 AM	0.0	0.0	0.0
10/27/2023 07:00 AM	0.0	0.0	0.0
10/27/2023 08:00 AM	0.0	0.0	0.0
10/27/2023 09:00 AM	0.0	0.0	0.0
10/27/2023 10:00 AM	0.0	0.0	0.0
10/27/2023 11:00 AM	0.0	0.0	0.0
10/27/2023 12:00 PM	0.0	0.0	0.0
10/27/2023 01:00 PM	0.0	0.0	0.0
10/27/2023 02:00 PM	0.0	0.0	0.0
10/27/2023 03:00 PM	0.0	0.0	0.0
10/27/2023 04:00 PM	0.0	0.0	0.0
10/27/2023 05:00 PM	0.0	0.0	0.0
10/27/2023 06:00 PM	0.0	0.0	0.0
10/27/2023 07:00 PM	0.0	0.0	0.0
10/27/2023 08:00 PM	0.0	0.0	0.0
10/27/2023 09:00 PM	0.0	0.0	0.0
10/27/2023 10:00 PM	0.0	0.0	0.0
10/27/2023 11:00 PM	0.0	0.0	0.0
10/28/2023 12:00 AM	0.0	0.0	0.0
10/28/2023 01:00 AM	0.0	0.0	0.0
10/28/2023 02:00 AM	0.0	0.0	0.0
10/28/2023 03:00 AM	0.0	0.0	0.0
10/28/2023 04:00 AM	0.0	0.0	0.0
10/28/2023 05:00 AM	0.0	0.0	0.0
10/28/2023 06:00 AM	0.0	0.0	0.0
10/28/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/28/2023 08:00 AM	0.0	0.0	0.0
10/28/2023 09:00 AM	0.0	0.0	0.0
10/28/2023 10:00 AM	0.0	0.0	0.0
10/28/2023 11:00 AM	0.0	0.0	0.0
10/28/2023 12:00 PM	0.0	0.0	0.0
10/28/2023 01:00 PM	0.0	0.0	0.0
10/28/2023 02:00 PM	0.0	0.0	0.0
10/28/2023 03:00 PM	0.0	0.0	0.0
10/28/2023 04:00 PM	0.0	0.0	0.0
10/28/2023 05:00 PM	0.0	0.0	0.0
10/28/2023 06:00 PM	0.0	0.0	0.0
10/28/2023 07:00 PM	0.0	0.0	0.0
10/28/2023 08:00 PM	0.0	0.0	0.0
10/28/2023 09:00 PM	0.0	0.0	0.0
10/28/2023 10:00 PM	0.0	0.0	0.0
10/28/2023 11:00 PM	0.0	0.0	0.0
10/29/2023 12:00 AM	0.0	0.0	0.0
10/29/2023 01:00 AM	0.0	0.0	0.0
10/29/2023 02:00 AM	0.0	0.0	0.0
10/29/2023 03:00 AM	0.0	0.0	0.0
10/29/2023 04:00 AM	0.0	0.0	0.0
10/29/2023 05:00 AM	0.0	0.0	0.0
10/29/2023 06:00 AM	0.0	0.0	0.0
10/29/2023 07:00 AM	0.0	0.0	0.0
10/29/2023 08:00 AM	0.0	0.0	0.0
10/29/2023 09:00 AM	0.0	0.0	0.0
10/29/2023 10:00 AM	0.0	0.0	0.0
10/29/2023 11:00 AM	0.0	0.0	0.0
10/29/2023 12:00 PM	0.0	0.0	0.0
10/29/2023 01:00 PM	0.0	0.0	0.0
10/29/2023 02:00 PM	0.0	0.0	0.0
10/29/2023 03:00 PM	0.0	0.0	0.0
10/29/2023 04:00 PM	0.0	0.0	0.0
10/29/2023 05:00 PM	0.0	0.0	0.0
10/29/2023 06:00 PM	0.0	0.0	0.0
10/29/2023 07:00 PM	0.0	0.0	0.0
10/29/2023 08:00 PM	0.0	0.0	0.0
10/29/2023 09:00 PM	0.0	0.0	0.0
10/29/2023 10:00 PM	0.0	0.0	0.0
10/29/2023 11:00 PM	0.0	0.0	0.0
10/30/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/30/2023 01:00 AM	0.0	0.0	0.0
10/30/2023 02:00 AM	0.0	0.0	0.0
10/30/2023 03:00 AM	0.0	0.0	0.0
10/30/2023 04:00 AM	0.0	0.0	0.0
10/30/2023 05:00 AM	0.0	0.0	0.0
10/30/2023 06:00 AM	0.0	0.0	0.0
10/30/2023 07:00 AM	0.0	0.0	0.0
10/30/2023 08:00 AM	0.0	0.0	0.0
10/30/2023 09:00 AM	0.0	0.0	0.0
10/30/2023 10:00 AM	0.0	0.0	0.0
10/30/2023 11:00 AM	0.0	0.0	0.0
10/30/2023 12:00 PM	0.0	0.0	0.0
10/30/2023 01:00 PM	0.0	0.0	0.0
10/30/2023 02:00 PM	0.0	0.0	0.0
10/30/2023 03:00 PM	0.0	0.0	0.0
10/30/2023 04:00 PM	0.0	0.0	0.0
10/30/2023 05:00 PM	0.0	0.0	0.0
10/30/2023 06:00 PM	0.0	0.0	0.0
10/30/2023 07:00 PM	0.0	0.0	0.0
10/30/2023 08:00 PM	0.0	0.0	0.0
10/30/2023 09:00 PM	0.0	0.0	0.0
10/30/2023 10:00 PM	0.0	0.0	0.0
10/30/2023 11:00 PM	0.0	0.0	0.0
10/31/2023 12:00 AM	0.0	0.0	0.0
10/31/2023 01:00 AM	0.0	0.0	0.0
10/31/2023 02:00 AM	0.0	0.0	0.0
10/31/2023 03:00 AM	0.0	0.0	0.0
10/31/2023 04:00 AM	0.0	0.0	0.0
10/31/2023 05:00 AM	0.0	0.0	0.0
10/31/2023 06:00 AM	0.0	0.0	0.0
10/31/2023 07:00 AM	0.0	0.0	0.0
10/31/2023 08:00 AM	1,998.6	0.0	1,868.1
10/31/2023 09:00 AM	1,944.1	1,930.9	1,931.6
10/31/2023 10:00 AM	1,930.9	1,930.9	1,930.9
10/31/2023 11:00 AM	1,930.9	1,930.9	1,930.9
10/31/2023 12:00 PM	1,930.9	1,930.9	1,930.9
10/31/2023 01:00 PM	1,742.8	1,721.9	1,730.4
10/31/2023 02:00 PM	1,721.9	0.0	86.0
10/31/2023 03:00 PM	0.0	0.0	0.0
10/31/2023 04:00 PM	0.0	0.0	0.0
10/31/2023 05:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
October 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
10/31/2023 06:00 PM	0.0	0.0	0.0
10/31/2023 07:00 PM	0.0	0.0	0.0
10/31/2023 08:00 PM	0.0	0.0	0.0
10/31/2023 09:00 PM	0.0	0.0	0.0
10/31/2023 10:00 PM	0.0	0.0	0.0
10/31/2023 11:00 PM	0.0	0.0	0.0

November 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
November 2023

Date	Raw Water	Finished Water
11/01/2023	352,771	336,587
11/02/2023		
11/03/2023	349,996	344,927
11/04/2023	338,472	331,765
11/05/2023	357,646	353,719
11/06/2023	357,646	353,719
11/07/2023	350,378	344,157
11/08/2023	351,431	340,676
11/09/2023	380,409	381,702
11/10/2023	380,409	381,702
11/11/2023	348,032	342,384
11/12/2023	342,472	342,384
11/13/2023	348,050	343,287
11/14/2023	348,050	343,287
11/15/2023	348,780	340,910
11/16/2023	376,509	374,073
11/17/2023	376,509	374,073
11/18/2023	350,173	339,645
11/19/2023	348,811	342,382
11/20/2023	348,811	342,382
11/21/2023	346,016	344,181
11/22/2023	346,016	344,181
11/23/2023	385,865	378,526
11/24/2023	385,865	378,526
11/25/2023	346,497	345,645
11/26/2023	346,497	344,438
11/27/2023	345,970	344,438
11/28/2023	339,577	342,252
11/29/2023	351,512	335,374
11/30/2023	382,281	378,070
Totals:	**10,331,450**	**10,189,391**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
November 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
11/01/2023	10.1	4.7	7.6	8.7
11/02/2023				
11/03/2023	5.2	9.4	8.4	8.3
11/04/2023	4.7	9.4	8.3	7.7
11/05/2023	5.3	9.6	8.4	8.7
11/06/2023	5.3	9.6	8.4	8.7
11/07/2023	5.2	9.6	7.9	8.7
11/08/2023	5.2	9.9	8.4	8.7
11/09/2023	8.1	9.9	10.1	8.3
11/10/2023	9.3	7.8	10.1	8.6
11/11/2023	9.3	8.3	8.0	8.6
11/12/2023	7.9	8.3	8.2	8.5
11/13/2023	9.9	6.5	8.2	8.7
11/14/2023	9.9	4.7	7.9	8.7
11/15/2023	9.9	4.7	8.4	8.7
11/16/2023	9.9	7.3	10.0	8.1
11/17/2023	8.4	9.4	10.0	8.7
11/18/2023	5.2	9.4	7.8	8.7
11/19/2023	5.3	9.3	8.3	8.7
11/20/2023	5.3	9.3	8.3	8.3
11/21/2023	5.3	9.2	8.3	8.6
11/22/2023	5.3	9.5	8.1	8.7
11/23/2023	6.5	9.6	9.0	9.3
11/24/2023	6.5	9.6	9.0	9.3
11/25/2023	5.5	9.8	8.3	8.7
11/26/2023	5.1	9.8	8.0	8.7
11/27/2023	5.1	9.3	8.4	8.7
11/28/2023	5.1	9.1	8.3	8.2
11/29/2023	5.0	9.7	7.5	8.7
11/30/2023	7.1	9.7	7.5	10.9
Totals:	**196.2**	**252.5**	**245.1**	**251.7**
	448.7		**496.9**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
November 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
11/01/2023	0.0	14.8	0.0	16.3
11/02/2023				
11/03/2023	0.0	14.7	0.0	16.7
11/04/2023	0.0	14.2	0.0	16.1
11/05/2023	0.0	15.0	0.0	17.1
11/06/2023	0.0	15.0	0.0	17.1
11/07/2023	0.0	14.7	0.0	16.7
11/08/2023	0.0	14.7	0.0	16.5
11/09/2023	0.0	16.0	0.0	18.4
11/10/2023	0.0	16.0	0.0	18.4
11/11/2023	0.0	14.8	0.0	16.6
11/12/2023	0.0	14.8	0.0	16.6
11/13/2023	0.0	14.7	0.0	16.7
11/14/2023	0.0	14.7	0.0	16.7
11/15/2023	0.0	14.7	0.0	16.6
11/16/2023	0.0	15.8	0.0	18.1
11/17/2023	0.0	15.8	0.0	18.1
11/18/2023	0.0	14.7	0.0	16.5
11/19/2023	0.0	14.7	0.0	16.6
11/20/2023	0.0	14.7	0.0	16.6
11/21/2023	0.0	14.6	0.0	16.7
11/22/2023	0.0	14.6	0.0	16.7
11/23/2023	0.0	16.2	0.0	18.3
11/24/2023	0.0	16.2	0.0	18.3
11/25/2023	0.0	14.5	0.0	16.7
11/26/2023	0.0	14.5	0.0	16.7
11/27/2023	0.0	14.5	0.0	16.7
11/28/2023	0.0	14.3	0.0	16.6
11/29/2023	0.0	14.8	0.0	16.3
11/30/2023	0.0	16.1	0.0	18.3
Totals:	**0.0**	**435.0**	**0.0**	**493.9**
	435.0		**493.9**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
November 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
11/01/2023	0.0	0	24.0	339,212
11/02/2023	0.0	0	21.6	304,882
11/03/2023	0.0	0	24.0	339,196
11/04/2023	0.0	0	24.0	339,216
11/05/2023	0.0	0	24.0	352,905
11/06/2023	0.0	0	24.0	353,377
11/07/2023	1.0	3,511	24.0	339,205
11/08/2023	~~1.0~~	~~3,511~~	24.0	339,211
11/09/2023	8.0	40,132	24.0	339,211
11/10/2023	~~8.0~~	~~40,132~~	24.0	339,179
11/11/2023	0.0	0	24.0	339,065
11/12/2023	0.0	0	24.0	338,993
11/13/2023	0.0	0	24.0	338,570
11/14/2023	0.0	0	24.0	339,041
11/15/2023	0.0	0	24.0	338,993
11/16/2023	8.0	40,219	24.0	339,037
11/17/2023	~~8.0~~	~~40,219~~	24.0	339,058
11/18/2023	0.0	0	24.0	339,058
11/19/2023	0.0	0	24.0	339,104
11/20/2023	0.0	0	24.0	339,108
11/21/2023	0.0	0	24.0	339,145
11/22/2023	0.0	0	24.0	339,180
11/23/2023	8.0	40,373	24.0	339,191
11/24/2023	~~8.0~~	~~40,373~~	24.0	339,191
11/25/2023	0.0	0	24.0	339,181
11/26/2023	0.0	0	24.0	339,158
11/27/2023	0.0	0	24.0	339,165
11/28/2023	0.0	0	24.0	339,165
11/29/2023	0.0	0	24.0	338,741
11/30/2023	8.0	40,302	24.0	339,177
Totals:	33.0	164,537	717.6	10,166,913

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/01/2023 12:00 AM				
11/01/2023 01:00 AM				
11/01/2023 02:00 AM				
11/01/2023 03:00 AM				
11/01/2023 04:00 AM				
11/01/2023 05:00 AM				
11/01/2023 06:00 AM				
11/01/2023 07:00 AM				
11/01/2023 08:00 AM				
11/01/2023 09:00 AM				
11/01/2023 10:00 AM				
11/01/2023 11:00 AM	0.0	201.1	284.6	223.7
11/01/2023 12:00 PM	0.0	201.1	284.6	223.7
11/01/2023 01:00 PM	0.0	201.1	284.6	223.7
11/01/2023 02:00 PM	0.0	201.1	284.6	223.7
11/01/2023 03:00 PM	0.0	201.1	284.6	223.7
11/01/2023 04:00 PM				
11/01/2023 05:00 PM	0.0	201.0	284.5	223.7
11/01/2023 06:00 PM	0.0	201.0	284.4	223.7
11/01/2023 07:00 PM	0.0	201.0	284.4	223.7
11/01/2023 08:00 PM	0.0	201.0	284.5	223.7
11/01/2023 09:00 PM	0.0	201.0	284.4	223.7
11/01/2023 10:00 PM	0.0	201.0	284.5	223.7
11/01/2023 11:00 PM	0.0	201.0	284.5	223.7
11/02/2023 12:00 AM				
11/02/2023 01:00 AM				
11/02/2023 02:00 AM				
11/02/2023 03:00 AM				
11/02/2023 04:00 AM				
11/02/2023 05:00 AM				
11/02/2023 06:00 AM				
11/02/2023 07:00 AM				
11/02/2023 08:00 AM				
11/02/2023 09:00 AM				
11/02/2023 10:00 AM				
11/02/2023 11:00 AM				
11/02/2023 12:00 PM				
11/02/2023 01:00 PM				
11/02/2023 02:00 PM				
11/02/2023 03:00 PM				
11/02/2023 04:00 PM				
11/02/2023 05:00 PM				
11/02/2023 06:00 PM				
11/02/2023 07:00 PM				
11/02/2023 08:00 PM				
11/02/2023 09:00 PM				
11/02/2023 10:00 PM				
11/02/2023 11:00 PM				
11/03/2023 12:00 AM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/03/2023 01:00 AM				
11/03/2023 02:00 AM				
11/03/2023 03:00 AM				
11/03/2023 04:00 AM				
11/03/2023 05:00 AM				
11/03/2023 06:00 AM				
11/03/2023 07:00 AM				
11/03/2023 08:00 AM				
11/03/2023 09:00 AM				
11/03/2023 10:00 AM				
11/03/2023 11:00 AM				
11/03/2023 12:00 PM				
11/03/2023 01:00 PM				
11/03/2023 02:00 PM				
11/03/2023 03:00 PM				
11/03/2023 04:00 PM				
11/03/2023 05:00 PM	0.0	200.8	284.4	223.7
11/03/2023 06:00 PM	0.0	200.8	284.4	223.7
11/03/2023 07:00 PM	0.0	200.8	284.4	223.7
11/03/2023 08:00 PM	0.0	200.8	284.4	223.7
11/03/2023 09:00 PM	0.0	200.8	284.3	223.7
11/03/2023 10:00 PM	0.0	200.8	284.3	223.7
11/03/2023 11:00 PM	0.0	200.8	284.4	223.7
11/04/2023 12:00 AM	0.0	200.8	284.4	223.7
11/04/2023 01:00 AM	0.0	200.8	284.4	223.7
11/04/2023 02:00 AM	0.0	200.8	284.4	223.7
11/04/2023 03:00 AM	0.0	200.8	284.4	223.7
11/04/2023 04:00 AM	0.0	200.8	284.4	223.7
11/04/2023 05:00 AM	0.0	200.8	284.4	223.7
11/04/2023 06:00 AM	0.0	200.8	284.3	223.7
11/04/2023 07:00 AM	0.0	200.8	284.3	223.7
11/04/2023 08:00 AM	0.0	200.8	284.3	223.7
11/04/2023 09:00 AM	0.0	200.8	284.3	223.7
11/04/2023 10:00 AM	0.0	200.8	284.3	223.7
11/04/2023 11:00 AM	0.0	200.7	284.3	223.7
11/04/2023 12:00 PM	0.0	200.7	284.3	223.7
11/04/2023 01:00 PM	0.0	200.7	284.3	223.7
11/04/2023 02:00 PM	0.0	200.7	284.3	223.7
11/04/2023 03:00 PM	0.0	200.7	284.3	223.7
11/04/2023 04:00 PM	0.0	200.7	284.3	223.7
11/04/2023 05:00 PM	0.0	200.7	284.3	223.7
11/04/2023 06:00 PM	0.0	200.7	284.3	223.7
11/04/2023 07:00 PM	0.0	200.7	284.3	223.7
11/04/2023 08:00 PM	0.0	200.7	284.3	223.7
11/04/2023 09:00 PM	0.0	200.7	284.3	223.7
11/04/2023 10:00 PM	0.0	200.7	284.3	223.7
11/04/2023 11:00 PM	0.0	200.7	284.3	223.7
11/05/2023 12:00 AM	0.0	200.7	284.3	223.7
11/05/2023 01:00 AM	0.0	200.7	284.3	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/05/2023 02:00 AM	0.0	200.7	284.3	223.7
11/05/2023 03:00 AM	0.0	200.7	284.3	223.7
11/05/2023 04:00 AM	0.0	200.7	284.3	223.7
11/05/2023 05:00 AM	0.0	200.7	284.3	223.7
11/05/2023 06:00 AM	0.0	200.7	284.3	223.7
11/05/2023 07:00 AM	0.0	200.7	284.3	223.7
11/05/2023 08:00 AM	0.0	200.7	284.3	223.7
11/05/2023 09:00 AM	0.0	200.7	284.3	223.7
11/05/2023 10:00 AM	0.0	200.7	284.3	223.7
11/05/2023 11:00 AM	0.0	200.7	284.3	223.7
11/05/2023 12:00 PM	0.0	200.6	284.3	223.7
11/05/2023 01:00 PM	0.0	200.6	284.3	223.7
11/05/2023 02:00 PM	0.0	200.6	284.3	223.7
11/05/2023 03:00 PM	0.0	200.6	284.3	223.7
11/05/2023 04:00 PM	0.0	200.6	284.3	223.7
11/05/2023 05:00 PM	0.0	200.6	284.3	223.7
11/05/2023 06:00 PM	0.0	200.6	284.3	223.7
11/05/2023 07:00 PM	0.0	200.6	284.3	223.7
11/05/2023 08:00 PM	0.0	200.6	284.3	223.7
11/05/2023 09:00 PM	0.0	200.6	284.3	223.7
11/05/2023 10:00 PM	0.0	200.6	284.3	223.7
11/05/2023 11:00 PM	0.0	200.6	284.3	223.7
11/06/2023 12:00 AM	0.0	200.7	284.3	223.7
11/06/2023 01:00 AM	0.0	200.7	284.3	223.7
11/06/2023 02:00 AM	0.0	200.8	284.4	223.7
11/06/2023 03:00 AM	0.0	200.9	284.4	223.7
11/06/2023 04:00 AM	0.0	200.9	284.4	223.7
11/06/2023 05:00 AM	0.0	201.0	284.5	223.7
11/06/2023 06:00 AM	0.0	201.0	284.5	223.7
11/06/2023 07:00 AM	0.0	200.9	284.5	223.7
11/06/2023 08:00 AM	0.0	200.9	284.4	223.7
11/06/2023 09:00 AM	0.0	200.9	284.4	223.7
11/06/2023 10:00 AM	0.0	200.8	284.4	223.7
11/06/2023 11:00 AM	0.0	200.8	284.4	223.7
11/06/2023 12:00 PM	0.0	200.8	284.4	223.7
11/06/2023 01:00 PM	0.0	200.8	284.4	223.7
11/06/2023 02:00 PM	0.0	200.7	284.4	223.7
11/06/2023 03:00 PM	0.0	200.7	284.4	223.7
11/06/2023 04:00 PM	0.0	200.7	284.4	223.7
11/06/2023 05:00 PM	0.0	200.7	284.3	223.7
11/06/2023 06:00 PM	0.0	200.7	284.3	223.7
11/06/2023 07:00 PM	0.0	200.7	284.3	223.7
11/06/2023 08:00 PM	0.0	200.7	284.3	223.7
11/06/2023 09:00 PM	0.0	200.7	284.3	223.7
11/06/2023 10:00 PM	0.0	200.6	284.3	223.7
11/06/2023 11:00 PM	0.0	200.7	284.3	223.7
11/07/2023 12:00 AM	0.0	200.7	284.3	223.7
11/07/2023 01:00 AM	0.0	200.7	284.3	223.7
11/07/2023 02:00 AM	0.0	200.8	284.4	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/07/2023 03:00 AM	0.0	200.8	284.4	223.7
11/07/2023 04:00 AM	0.0	200.8	284.4	223.7
11/07/2023 05:00 AM	0.0	200.8	284.4	223.7
11/07/2023 06:00 AM	0.0	200.8	284.4	223.7
11/07/2023 07:00 AM	145.5	201.1	284.4	223.7
11/07/2023 08:00 AM	0.0	200.9	284.4	223.7
11/07/2023 09:00 AM	0.0	200.9	284.4	223.7
11/07/2023 10:00 AM	0.0	200.8	284.4	223.7
11/07/2023 11:00 AM	0.0	200.7	284.3	223.7
11/07/2023 12:00 PM	0.0	200.7	284.3	223.7
11/07/2023 01:00 PM	0.0	200.6	284.3	223.7
11/07/2023 02:00 PM	0.0	200.6	284.2	223.7
11/07/2023 03:00 PM	0.0	200.6	284.2	223.7
11/07/2023 04:00 PM	0.0	200.6	284.2	223.7
11/07/2023 05:00 PM	0.0	200.5	284.2	223.7
11/07/2023 06:00 PM	0.0	200.5	284.2	223.7
11/07/2023 07:00 PM	0.0	200.5	284.2	223.7
11/07/2023 08:00 PM	0.0	200.5	284.2	223.7
11/07/2023 09:00 PM	0.0	200.5	284.2	223.7
11/07/2023 10:00 PM	0.0	200.5	284.2	223.7
11/07/2023 11:00 PM	0.0	200.6	284.2	223.7
11/08/2023 12:00 AM	0.0	200.6	284.2	223.7
11/08/2023 01:00 AM	0.0	200.7	284.2	223.7
11/08/2023 02:00 AM	0.0	200.7	284.3	223.7
11/08/2023 03:00 AM	0.0	200.8	284.3	223.7
11/08/2023 04:00 AM	0.0	200.8	284.3	223.7
11/08/2023 05:00 AM	0.0	200.8	284.3	223.7
11/08/2023 06:00 AM	0.0	200.8	284.4	223.7
11/08/2023 07:00 AM	0.0	200.9	284.4	223.7
11/08/2023 08:00 AM	0.0	200.8	284.4	223.7
11/08/2023 09:00 AM	0.0	200.8	284.4	223.7
11/08/2023 10:00 AM	0.0	200.8	284.4	223.7
11/08/2023 11:00 AM	0.0	200.8	284.4	223.7
11/08/2023 12:00 PM	0.0	200.7	284.4	223.7
11/08/2023 01:00 PM	0.0	200.7	284.3	223.7
11/08/2023 02:00 PM	0.0	200.7	284.3	223.7
11/08/2023 03:00 PM	0.0	200.6	284.3	223.7
11/08/2023 04:00 PM	0.0	200.6	284.3	223.7
11/08/2023 05:00 PM	0.0	200.6	284.3	223.7
11/08/2023 06:00 PM	0.0	200.6	284.3	223.7
11/08/2023 07:00 PM	0.0	200.6	284.3	223.7
11/08/2023 08:00 PM	0.0	200.6	284.3	223.7
11/08/2023 09:00 PM	0.0	200.6	284.3	223.7
11/08/2023 10:00 PM	0.0	200.6	284.3	223.7
11/08/2023 11:00 PM	0.0	200.6	284.3	223.7
11/09/2023 12:00 AM	0.0	200.6	284.3	223.7
11/09/2023 01:00 AM	0.0	200.7	284.3	223.7
11/09/2023 02:00 AM	0.0	200.7	284.4	223.7
11/09/2023 03:00 AM	0.0	200.7	284.4	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/09/2023 04:00 AM	0.0	200.7	284.3	223.7
11/09/2023 05:00 AM	0.0	200.7	284.4	223.7
11/09/2023 06:00 AM	0.0	200.7	284.4	223.7
11/09/2023 07:00 AM	0.0	200.7	284.4	223.7
11/09/2023 08:00 AM	197.6	200.7	284.4	223.7
11/09/2023 09:00 AM	208.5	200.7	284.5	223.7
11/09/2023 10:00 AM	208.7	200.7	284.6	223.7
11/09/2023 11:00 AM	208.8	200.7	284.7	223.7
11/09/2023 12:00 PM	208.8	200.7	284.7	223.7
11/09/2023 01:00 PM	208.8	200.7	284.7	223.7
11/09/2023 02:00 PM	208.9	200.7	284.8	223.7
11/09/2023 03:00 PM	208.9	200.7	284.8	223.7
11/09/2023 04:00 PM	10.4	201.6	284.8	223.7
11/09/2023 05:00 PM	0.0	201.2	284.7	223.7
11/09/2023 06:00 PM	0.0	201.0	284.6	223.7
11/09/2023 07:00 PM	0.0	201.0	284.6	223.7
11/09/2023 08:00 PM	0.0	200.9	284.6	223.7
11/09/2023 09:00 PM	0.0	200.9	284.5	223.7
11/09/2023 10:00 PM	0.0	200.9	284.5	223.7
11/09/2023 11:00 PM	0.0	200.9	284.5	223.7
11/10/2023 12:00 AM	0.0	200.8	284.5	223.7
11/10/2023 01:00 AM	0.0	200.8	284.4	223.7
11/10/2023 02:00 AM	0.0	200.8	284.4	223.7
11/10/2023 03:00 AM	0.0	200.7	284.4	223.7
11/10/2023 04:00 AM	0.0	200.7	284.4	223.7
11/10/2023 05:00 AM	0.0	200.7	284.4	223.7
11/10/2023 06:00 AM	0.0	200.7	284.4	223.7
11/10/2023 07:00 AM	0.0	200.7	284.4	223.7
11/10/2023 08:00 AM	0.0	200.7	284.4	223.7
11/10/2023 09:00 AM	0.0	200.7	284.4	223.7
11/10/2023 10:00 AM	0.0	200.7	284.4	223.7
11/10/2023 11:00 AM	0.0	200.7	284.4	223.7
11/10/2023 12:00 PM	0.0	200.7	284.4	223.7
11/10/2023 01:00 PM	0.0	200.7	284.3	223.7
11/10/2023 02:00 PM	0.0	200.6	284.3	223.7
11/10/2023 03:00 PM	0.0	200.6	284.3	223.7
11/10/2023 04:00 PM	0.0	200.6	284.3	223.7
11/10/2023 05:00 PM	0.0	200.6	284.3	223.7
11/10/2023 06:00 PM	0.0	200.6	284.3	223.7
11/10/2023 07:00 PM	0.0	200.6	284.3	223.7
11/10/2023 08:00 PM	0.0	200.6	284.3	223.7
11/10/2023 09:00 PM	0.0	200.6	284.3	223.7
11/10/2023 10:00 PM	0.0	200.6	284.3	223.7
11/10/2023 11:00 PM	0.0	200.6	284.3	223.7
11/11/2023 12:00 AM	0.0	200.6	284.3	223.7
11/11/2023 01:00 AM	0.0	200.6	284.3	223.7
11/11/2023 02:00 AM	0.0	200.6	284.2	223.7
11/11/2023 03:00 AM	0.0	200.6	284.2	223.7
11/11/2023 04:00 AM	0.0	200.5	284.2	223.7

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/11/2023 05:00 AM	0.0	200.5	284.2	223.7
11/11/2023 06:00 AM	0.0	200.5	284.2	223.7
11/11/2023 07:00 AM	0.0	200.5	284.2	223.7
11/11/2023 08:00 AM	0.0	200.5	284.2	223.7
11/11/2023 09:00 AM	0.0	200.5	284.2	223.7
11/11/2023 10:00 AM	0.0	200.5	284.2	223.7
11/11/2023 11:00 AM	0.0	200.5	284.2	223.7
11/11/2023 12:00 PM	0.0	200.5	284.2	223.7
11/11/2023 01:00 PM	0.0	200.5	284.2	223.7
11/11/2023 02:00 PM	0.0	200.4	284.2	223.7
11/11/2023 03:00 PM	0.0	200.4	284.2	223.7
11/11/2023 04:00 PM	0.0	200.4	284.1	223.7
11/11/2023 05:00 PM	0.0	200.4	284.2	223.7
11/11/2023 06:00 PM	0.0	200.4	284.2	223.7
11/11/2023 07:00 PM	0.0	200.4	284.2	223.7
11/11/2023 08:00 PM	0.0	200.5	284.2	223.7
11/11/2023 09:00 PM	0.0	200.5	284.2	223.7
11/11/2023 10:00 PM	0.0	200.5	284.2	223.7
11/11/2023 11:00 PM	0.0	200.5	284.2	223.7
11/12/2023 12:00 AM	0.0	200.4	284.2	223.7
11/12/2023 01:00 AM	0.0	200.4	284.2	223.7
11/12/2023 02:00 AM	0.0	200.4	284.2	223.7
11/12/2023 03:00 AM	0.0	200.4	284.2	223.7
11/12/2023 04:00 AM	0.0	200.4	284.1	223.7
11/12/2023 05:00 AM	0.0	200.4	284.1	223.7
11/12/2023 06:00 AM	0.0	200.4	284.1	223.7
11/12/2023 07:00 AM	0.0	200.4	284.1	223.7
11/12/2023 08:00 AM	0.0	200.4	246.3	226.0
11/12/2023 09:00 AM	0.0	200.3	170.3	225.2
11/12/2023 10:00 AM	0.0	200.2	283.0	224.8
11/12/2023 11:00 AM	0.0	200.2	283.3	224.8
11/12/2023 12:00 PM	0.0	200.2	283.3	224.8
11/12/2023 01:00 PM	0.0	200.2	283.4	224.8
11/12/2023 02:00 PM	0.0	200.2	283.4	224.8
11/12/2023 03:00 PM	0.0	200.2	283.4	224.8
11/12/2023 04:00 PM	0.0	200.2	283.4	224.8
11/12/2023 05:00 PM	0.0	200.2	283.4	224.8
11/12/2023 06:00 PM	0.0	200.2	283.5	224.8
11/12/2023 07:00 PM	0.0	200.3	283.5	224.8
11/12/2023 08:00 PM	0.0	200.3	283.5	224.8
11/12/2023 09:00 PM	0.0	200.3	283.5	224.8
11/12/2023 10:00 PM	0.0	200.3	283.6	224.8
11/12/2023 11:00 PM	0.0	200.3	283.6	224.8
11/13/2023 12:00 AM	0.0	200.4	283.6	224.8
11/13/2023 01:00 AM	0.0	200.5	283.7	224.8
11/13/2023 02:00 AM	0.0	200.5	283.7	224.8
11/13/2023 03:00 AM	0.0	200.5	283.7	224.8
11/13/2023 04:00 AM	0.0	200.6	283.7	224.8
11/13/2023 05:00 AM	0.0	200.6	283.7	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/13/2023 06:00 AM	0.0	200.6	283.7	224.8
11/13/2023 07:00 AM	0.0	200.5	283.7	224.8
11/13/2023 08:00 AM	0.0	200.5	283.7	224.8
11/13/2023 09:00 AM	0.0	200.5	283.7	224.8
11/13/2023 10:00 AM	0.0	200.5	283.7	224.8
11/13/2023 11:00 AM	0.0	200.4	283.7	224.8
11/13/2023 12:00 PM	0.0	200.4	283.7	224.8
11/13/2023 01:00 PM	0.0	200.4	283.6	224.8
11/13/2023 02:00 PM	0.0	200.3	283.6	224.8
11/13/2023 03:00 PM	0.0	200.3	283.6	224.8
11/13/2023 04:00 PM	0.0	200.2	283.6	224.8
11/13/2023 05:00 PM	0.0	200.2	283.5	224.8
11/13/2023 06:00 PM	0.0	200.2	283.5	224.8
11/13/2023 07:00 PM	0.0	200.2	283.6	224.8
11/13/2023 08:00 PM	0.0	200.2	283.5	224.8
11/13/2023 09:00 PM	0.0	200.2	283.6	224.8
11/13/2023 10:00 PM	0.0	200.2	283.6	224.8
11/13/2023 11:00 PM	0.0	200.2	283.6	224.8
11/14/2023 12:00 AM	0.0	200.3	283.6	224.8
11/14/2023 01:00 AM	0.0	200.3	283.6	224.8
11/14/2023 02:00 AM	0.0	200.3	283.6	224.8
11/14/2023 03:00 AM	0.0	200.3	283.6	224.8
11/14/2023 04:00 AM	0.0	200.3	283.5	224.8
11/14/2023 05:00 AM	0.0	200.2	283.5	224.8
11/14/2023 06:00 AM	0.0	200.2	283.5	224.8
11/14/2023 07:00 AM	0.0	200.2	283.5	224.8
11/14/2023 08:00 AM	0.0	200.2	283.5	224.8
11/14/2023 09:00 AM	0.0	200.2	283.5	224.8
11/14/2023 10:00 AM	0.0	200.2	283.5	224.8
11/14/2023 11:00 AM	0.0	200.1	283.5	224.8
11/14/2023 12:00 PM	0.0	200.1	283.4	224.8
11/14/2023 01:00 PM	0.0	200.1	283.4	224.8
11/14/2023 02:00 PM	0.0	200.1	283.4	224.8
11/14/2023 03:00 PM	0.0	200.0	283.4	224.8
11/14/2023 04:00 PM	0.0	200.0	283.4	224.8
11/14/2023 05:00 PM	0.0	200.0	283.4	224.8
11/14/2023 06:00 PM	0.0	200.0	283.4	224.8
11/14/2023 07:00 PM	0.0	200.0	283.4	224.8
11/14/2023 08:00 PM	0.0	200.0	283.4	224.8
11/14/2023 09:00 PM	0.0	200.0	283.4	224.8
11/14/2023 10:00 PM	0.0	200.0	283.5	224.8
11/14/2023 11:00 PM	0.0	200.1	283.5	224.8
11/15/2023 12:00 AM	0.0	200.1	283.5	224.8
11/15/2023 01:00 AM	0.0	200.2	283.5	224.8
11/15/2023 02:00 AM	0.0	200.3	283.6	224.8
11/15/2023 03:00 AM	0.0	200.3	283.6	224.8
11/15/2023 04:00 AM	0.0	200.3	283.6	224.8
11/15/2023 05:00 AM	0.0	200.3	283.6	224.8
11/15/2023 06:00 AM	0.0	200.3	283.6	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/15/2023 07:00 AM	0.0	200.3	283.6	224.8
11/15/2023 08:00 AM	0.0	200.3	283.6	224.8
11/15/2023 09:00 AM	0.0	200.3	283.6	224.8
11/15/2023 10:00 AM	0.0	200.3	283.6	224.8
11/15/2023 11:00 AM	0.0	200.2	283.6	224.8
11/15/2023 12:00 PM	0.0	200.2	283.6	224.8
11/15/2023 01:00 PM	0.0	200.2	283.5	224.8
11/15/2023 02:00 PM	0.0	200.2	283.5	224.8
11/15/2023 03:00 PM	0.0	200.1	283.5	224.8
11/15/2023 04:00 PM	0.0	200.1	283.5	224.8
11/15/2023 05:00 PM	0.0	200.1	283.5	224.8
11/15/2023 06:00 PM	0.0	200.1	283.5	224.8
11/15/2023 07:00 PM	0.0	200.1	283.5	224.8
11/15/2023 08:00 PM	0.0	200.1	283.5	224.8
11/15/2023 09:00 PM	0.0	200.1	283.5	224.8
11/15/2023 10:00 PM	0.0	200.1	283.6	224.8
11/15/2023 11:00 PM	0.0	200.1	283.6	224.8
11/16/2023 12:00 AM	0.0	200.1	283.6	224.8
11/16/2023 01:00 AM	0.0	200.2	283.6	224.8
11/16/2023 02:00 AM	0.0	200.2	283.6	224.8
11/16/2023 03:00 AM	0.0	200.2	283.6	224.8
11/16/2023 04:00 AM	0.0	200.2	283.6	224.8
11/16/2023 05:00 AM	0.0	200.2	283.6	224.8
11/16/2023 06:00 AM	0.0	200.2	283.6	224.8
11/16/2023 07:00 AM	0.0	200.1	283.6	224.8
11/16/2023 08:00 AM	197.1	200.1	283.6	224.8
11/16/2023 09:00 AM	208.0	200.1	283.7	224.8
11/16/2023 10:00 AM	208.2	200.1	283.8	224.8
11/16/2023 11:00 AM	208.3	200.1	283.8	224.8
11/16/2023 12:00 PM	208.3	200.1	283.9	224.8
11/16/2023 01:00 PM	208.4	200.1	283.9	224.8
11/16/2023 02:00 PM	208.4	200.1	284.0	224.8
11/16/2023 03:00 PM	208.4	200.1	284.0	224.8
11/16/2023 04:00 PM	10.4	201.1	284.0	224.8
11/16/2023 05:00 PM	0.0	200.7	283.9	224.8
11/16/2023 06:00 PM	0.0	200.5	283.8	224.8
11/16/2023 07:00 PM	0.0	200.4	283.7	224.8
11/16/2023 08:00 PM	0.0	200.4	283.7	224.8
11/16/2023 09:00 PM	0.0	200.3	283.7	224.8
11/16/2023 10:00 PM	0.0	200.3	283.7	224.8
11/16/2023 11:00 PM	0.0	200.3	283.7	224.8
11/17/2023 12:00 AM	0.0	200.4	283.7	224.8
11/17/2023 01:00 AM	0.0	200.4	283.8	224.8
11/17/2023 02:00 AM	0.0	200.5	283.8	224.8
11/17/2023 03:00 AM	0.0	200.5	283.8	224.8
11/17/2023 04:00 AM	0.0	200.6	283.8	224.8
11/17/2023 05:00 AM	0.0	200.6	283.8	224.8
11/17/2023 06:00 AM	0.0	200.5	283.8	224.8
11/17/2023 07:00 AM	0.0	200.5	283.8	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/17/2023 08:00 AM	0.0	200.5	283.7	224.8
11/17/2023 09:00 AM	0.0	200.4	283.7	224.8
11/17/2023 10:00 AM	0.0	200.4	283.7	224.8
11/17/2023 11:00 AM	0.0	200.4	283.7	224.8
11/17/2023 12:00 PM	0.0	200.3	283.7	224.8
11/17/2023 01:00 PM	0.0	200.3	283.7	224.8
11/17/2023 02:00 PM	0.0	200.3	283.7	224.8
11/17/2023 03:00 PM	0.0	200.2	283.7	224.8
11/17/2023 04:00 PM	0.0	200.2	283.6	224.8
11/17/2023 05:00 PM	0.0	200.2	283.7	224.8
11/17/2023 06:00 PM	0.0	200.2	283.6	224.8
11/17/2023 07:00 PM	0.0	200.2	283.6	224.8
11/17/2023 08:00 PM	0.0	200.1	283.6	224.8
11/17/2023 09:00 PM	0.0	200.1	283.6	224.8
11/17/2023 10:00 PM	0.0	200.1	283.6	224.8
11/17/2023 11:00 PM	0.0	200.1	283.6	224.8
11/18/2023 12:00 AM	0.0	200.1	283.6	224.8
11/18/2023 01:00 AM	0.0	200.1	283.6	224.8
11/18/2023 02:00 AM	0.0	200.1	283.6	224.8
11/18/2023 03:00 AM	0.0	200.1	283.6	224.8
11/18/2023 04:00 AM	0.0	200.1	283.6	224.8
11/18/2023 05:00 AM	0.0	200.1	283.5	224.8
11/18/2023 06:00 AM	0.0	200.1	283.5	224.8
11/18/2023 07:00 AM	0.0	200.1	283.5	224.8
11/18/2023 08:00 AM	0.0	200.0	283.5	224.8
11/18/2023 09:00 AM	0.0	200.0	283.5	224.8
11/18/2023 10:00 AM	0.0	200.0	283.5	224.8
11/18/2023 11:00 AM	0.0	200.0	283.5	224.8
11/18/2023 12:00 PM	0.0	200.0	283.5	224.8
11/18/2023 01:00 PM	0.0	200.0	283.5	224.8
11/18/2023 02:00 PM	0.0	200.0	283.4	224.8
11/18/2023 03:00 PM	0.0	199.9	283.5	224.8
11/18/2023 04:00 PM	0.0	199.9	283.4	224.8
11/18/2023 05:00 PM	0.0	199.9	283.5	224.8
11/18/2023 06:00 PM	0.0	199.9	283.4	224.8
11/18/2023 07:00 PM	0.0	199.9	283.5	224.8
11/18/2023 08:00 PM	0.0	199.9	283.4	224.8
11/18/2023 09:00 PM	0.0	199.9	283.4	224.8
11/18/2023 10:00 PM	0.0	199.9	283.5	224.8
11/18/2023 11:00 PM	0.0	199.9	283.5	224.8
11/19/2023 12:00 AM	0.0	199.9	283.5	224.8
11/19/2023 01:00 AM	0.0	200.0	283.5	224.8
11/19/2023 02:00 AM	0.0	200.0	283.5	224.8
11/19/2023 03:00 AM	0.0	200.0	283.5	224.8
11/19/2023 04:00 AM	0.0	200.0	283.5	224.8
11/19/2023 05:00 AM	0.0	199.9	283.4	224.8
11/19/2023 06:00 AM	0.0	199.9	283.4	224.8
11/19/2023 07:00 AM	0.0	199.9	283.4	224.8
11/19/2023 08:00 AM	0.0	199.9	283.5	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/19/2023 09:00 AM	0.0	199.9	283.4	224.8
11/19/2023 10:00 AM	0.0	199.9	283.4	224.8
11/19/2023 11:00 AM	0.0	199.9	283.4	224.8
11/19/2023 12:00 PM	0.0	199.8	283.3	224.8
11/19/2023 01:00 PM	0.0	199.8	283.3	224.8
11/19/2023 02:00 PM	0.0	199.8	283.3	224.8
11/19/2023 03:00 PM	0.0	199.8	283.3	224.8
11/19/2023 04:00 PM	0.0	199.8	283.3	224.8
11/19/2023 05:00 PM	0.0	199.8	283.4	224.8
11/19/2023 06:00 PM	0.0	199.8	283.4	224.8
11/19/2023 07:00 PM	0.0	199.8	283.3	224.8
11/19/2023 08:00 PM	0.0	199.8	283.4	224.8
11/19/2023 09:00 PM	0.0	199.8	283.3	224.8
11/19/2023 10:00 PM	0.0	199.8	283.4	224.8
11/19/2023 11:00 PM	0.0	199.8	283.3	224.8
11/20/2023 12:00 AM	0.0	199.8	283.4	224.8
11/20/2023 01:00 AM	0.0	199.8	283.4	224.8
11/20/2023 02:00 AM	0.0	199.8	283.4	224.8
11/20/2023 03:00 AM	0.0	199.8	283.4	224.8
11/20/2023 04:00 AM	0.0	199.8	283.4	224.8
11/20/2023 05:00 AM	0.0	199.8	283.4	224.8
11/20/2023 06:00 AM	0.0	199.8	283.4	224.8
11/20/2023 07:00 AM	0.0	199.9	283.5	224.8
11/20/2023 08:00 AM	0.0	199.9	283.4	224.8
11/20/2023 09:00 AM	0.0	199.9	283.5	224.8
11/20/2023 10:00 AM	0.0	199.9	283.5	224.8
11/20/2023 11:00 AM	0.0	199.9	283.5	224.8
11/20/2023 12:00 PM	0.0	199.9	283.5	224.8
11/20/2023 01:00 PM	0.0	199.9	283.5	224.8
11/20/2023 02:00 PM	0.0	199.9	283.5	224.8
11/20/2023 03:00 PM	0.0	199.9	283.5	224.8
11/20/2023 04:00 PM	0.0	199.9	283.5	224.8
11/20/2023 05:00 PM	0.0	199.9	283.6	224.8
11/20/2023 06:00 PM	0.0	199.9	283.6	224.8
11/20/2023 07:00 PM	0.0	200.0	283.6	224.8
11/20/2023 08:00 PM	0.0	200.0	283.6	224.8
11/20/2023 09:00 PM	0.0	200.0	283.6	224.8
11/20/2023 10:00 PM	0.0	200.0	283.7	224.8
11/20/2023 11:00 PM	0.0	200.0	283.7	224.8
11/21/2023 12:00 AM	0.0	200.0	283.7	224.8
11/21/2023 01:00 AM	0.0	200.0	283.7	224.8
11/21/2023 02:00 AM	0.0	200.0	283.7	224.8
11/21/2023 03:00 AM	0.0	200.0	283.7	224.8
11/21/2023 04:00 AM	0.0	200.1	283.7	224.8
11/21/2023 05:00 AM	0.0	200.1	283.8	224.8
11/21/2023 06:00 AM	0.0	200.1	283.8	224.8
11/21/2023 07:00 AM	0.0	200.1	283.8	224.8
11/21/2023 08:00 AM	0.0	200.1	283.8	224.8
11/21/2023 09:00 AM	0.0	200.1	283.8	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/21/2023 10:00 AM	0.0	200.1	283.8	224.8
11/21/2023 11:00 AM	0.0	200.1	283.8	224.8
11/21/2023 12:00 PM	0.0	200.1	283.8	224.8
11/21/2023 01:00 PM	0.0	200.1	283.8	224.8
11/21/2023 02:00 PM	0.0	200.0	283.8	224.8
11/21/2023 03:00 PM	0.0	200.0	283.8	224.8
11/21/2023 04:00 PM	0.0	200.0	283.8	224.8
11/21/2023 05:00 PM	0.0	200.0	283.8	224.8
11/21/2023 06:00 PM	0.0	200.1	283.8	224.8
11/21/2023 07:00 PM	0.0	200.1	283.8	224.8
11/21/2023 08:00 PM	0.0	200.1	283.8	224.8
11/21/2023 09:00 PM	0.0	200.1	283.8	224.8
11/21/2023 10:00 PM	0.0	200.1	283.8	224.8
11/21/2023 11:00 PM	0.0	200.0	283.8	224.8
11/22/2023 12:00 AM	0.0	200.0	283.8	224.8
11/22/2023 01:00 AM	0.0	200.0	283.8	224.8
11/22/2023 02:00 AM	0.0	200.0	283.8	224.8
11/22/2023 03:00 AM	0.0	200.0	283.7	224.8
11/22/2023 04:00 AM	0.0	200.0	283.7	224.8
11/22/2023 05:00 AM	0.0	200.0	283.8	224.8
11/22/2023 06:00 AM	0.0	200.0	283.8	224.8
11/22/2023 07:00 AM	0.0	200.0	283.8	224.8
11/22/2023 08:00 AM	0.0	200.0	283.8	224.8
11/22/2023 09:00 AM	0.0	200.0	283.8	224.8
11/22/2023 10:00 AM	0.0	200.0	283.7	224.8
11/22/2023 11:00 AM	0.0	200.0	283.7	224.8
11/22/2023 12:00 PM	0.0	199.9	283.7	224.8
11/22/2023 01:00 PM	0.0	199.9	283.7	224.8
11/22/2023 02:00 PM	0.0	199.9	283.6	224.8
11/22/2023 03:00 PM	0.0	199.8	283.6	224.8
11/22/2023 04:00 PM	0.0	199.8	283.6	224.8
11/22/2023 05:00 PM	0.0	199.8	283.6	224.8
11/22/2023 06:00 PM	0.0	199.8	283.7	224.8
11/22/2023 07:00 PM	0.0	199.8	283.6	224.8
11/22/2023 08:00 PM	0.0	199.8	283.6	224.8
11/22/2023 09:00 PM	0.0	199.8	283.6	224.8
11/22/2023 10:00 PM	0.0	199.8	283.6	224.8
11/22/2023 11:00 PM	0.0	199.8	283.6	224.8
11/23/2023 12:00 AM	0.0	199.8	283.5	224.8
11/23/2023 01:00 AM	0.0	199.7	283.5	224.8
11/23/2023 02:00 AM	0.0	199.7	283.5	224.8
11/23/2023 03:00 AM	0.0	199.7	283.5	224.8
11/23/2023 04:00 AM	0.0	199.7	283.5	224.8
11/23/2023 05:00 AM	0.0	199.7	283.5	224.8
11/23/2023 06:00 AM	0.0	199.7	283.5	224.8
11/23/2023 07:00 AM	0.0	199.7	283.5	224.8
11/23/2023 08:00 AM	196.7	199.7	283.5	224.8
11/23/2023 09:00 AM	207.6	199.7	283.6	224.8
11/23/2023 10:00 AM	207.7	199.7	283.7	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/23/2023 11:00 AM	207.8	199.7	283.8	224.8
11/23/2023 12:00 PM	207.9	199.7	283.8	224.8
11/23/2023 01:00 PM	207.9	199.7	283.8	224.8
11/23/2023 02:00 PM	207.9	199.7	283.8	224.8
11/23/2023 03:00 PM	207.9	199.7	283.8	224.8
11/23/2023 04:00 PM	10.4	200.6	283.8	224.8
11/23/2023 05:00 PM	0.0	200.2	283.7	224.8
11/23/2023 06:00 PM	0.0	200.0	283.7	224.8
11/23/2023 07:00 PM	0.0	200.0	283.6	224.8
11/23/2023 08:00 PM	0.0	199.9	283.6	224.8
11/23/2023 09:00 PM	0.0	199.9	283.6	224.8
11/23/2023 10:00 PM	0.0	199.8	283.6	224.8
11/23/2023 11:00 PM	0.0	199.8	283.5	224.8
11/24/2023 12:00 AM	0.0	199.8	283.5	224.8
11/24/2023 01:00 AM	0.0	199.7	283.4	224.8
11/24/2023 02:00 AM	0.0	199.7	283.4	224.8
11/24/2023 03:00 AM	0.0	199.7	283.4	224.8
11/24/2023 04:00 AM	0.0	199.7	283.4	224.8
11/24/2023 05:00 AM	0.0	199.7	283.4	224.8
11/24/2023 06:00 AM	0.0	199.7	283.4	224.8
11/24/2023 07:00 AM	0.0	199.7	283.4	224.8
11/24/2023 08:00 AM	0.0	199.7	283.5	224.8
11/24/2023 09:00 AM	0.0	199.7	283.5	224.8
11/24/2023 10:00 AM	0.0	199.7	283.5	224.8
11/24/2023 11:00 AM	0.0	199.7	283.4	224.8
11/24/2023 12:00 PM	0.0	199.7	283.4	224.8
11/24/2023 01:00 PM	0.0	199.6	283.4	224.8
11/24/2023 02:00 PM	0.0	199.6	283.4	224.8
11/24/2023 03:00 PM	0.0	199.6	283.4	224.8
11/24/2023 04:00 PM	0.0	199.6	283.4	224.8
11/24/2023 05:00 PM	0.0	199.6	283.4	224.8
11/24/2023 06:00 PM	0.0	199.6	283.4	224.8
11/24/2023 07:00 PM	0.0	199.6	283.4	224.8
11/24/2023 08:00 PM	0.0	199.6	283.4	224.8
11/24/2023 09:00 PM	0.0	199.6	283.4	224.8
11/24/2023 10:00 PM	0.0	199.6	283.4	224.8
11/24/2023 11:00 PM	0.0	199.6	283.4	224.8
11/25/2023 12:00 AM	0.0	199.6	283.4	224.8
11/25/2023 01:00 AM	0.0	199.6	283.4	224.8
11/25/2023 02:00 AM	0.0	199.6	283.4	224.8
11/25/2023 03:00 AM	0.0	199.6	283.4	224.8
11/25/2023 04:00 AM	0.0	199.6	283.4	224.8
11/25/2023 05:00 AM	0.0	199.6	283.4	224.8
11/25/2023 06:00 AM	0.0	199.6	283.3	224.8
11/25/2023 07:00 AM	0.0	199.6	283.4	224.8
11/25/2023 08:00 AM	0.0	199.6	283.4	224.8
11/25/2023 09:00 AM	0.0	199.6	283.4	224.8
11/25/2023 10:00 AM	0.0	199.6	283.4	224.8
11/25/2023 11:00 AM	0.0	199.6	283.4	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/25/2023 12:00 PM	0.0	199.6	283.4	224.8
11/25/2023 01:00 PM	0.0	199.6	283.4	224.8
11/25/2023 02:00 PM	0.0	199.5	283.3	224.8
11/25/2023 03:00 PM	0.0	199.5	283.4	224.8
11/25/2023 04:00 PM	0.0	199.6	283.3	224.8
11/25/2023 05:00 PM	0.0	199.6	283.4	224.8
11/25/2023 06:00 PM	0.0	199.6	283.4	224.8
11/25/2023 07:00 PM	0.0	199.6	283.4	224.8
11/25/2023 08:00 PM	0.0	199.6	283.4	224.8
11/25/2023 09:00 PM	0.0	199.6	283.5	224.8
11/25/2023 10:00 PM	0.0	199.6	283.5	224.8
11/25/2023 11:00 PM	0.0	199.7	283.5	224.8
11/26/2023 12:00 AM	0.0	199.7	283.5	224.8
11/26/2023 01:00 AM	0.0	199.6	283.5	224.8
11/26/2023 02:00 AM	0.0	199.6	283.5	224.8
11/26/2023 03:00 AM	0.0	199.6	283.5	224.8
11/26/2023 04:00 AM	0.0	199.6	283.5	224.8
11/26/2023 05:00 AM	0.0	199.6	283.5	224.8
11/26/2023 06:00 AM	0.0	199.6	283.5	224.8
11/26/2023 07:00 AM	0.0	199.6	283.5	224.8
11/26/2023 08:00 AM	0.0	199.7	283.5	224.8
11/26/2023 09:00 AM	0.0	199.7	283.5	224.8
11/26/2023 10:00 AM	0.0	199.7	283.6	224.8
11/26/2023 11:00 AM	0.0	199.7	283.6	224.8
11/26/2023 12:00 PM	0.0	199.7	283.5	224.8
11/26/2023 01:00 PM	0.0	199.7	283.5	224.8
11/26/2023 02:00 PM	0.0	199.6	283.5	224.8
11/26/2023 03:00 PM	0.0	199.6	283.5	224.8
11/26/2023 04:00 PM	0.0	199.6	283.5	224.8
11/26/2023 05:00 PM	0.0	199.6	283.5	224.8
11/26/2023 06:00 PM	0.0	199.6	283.5	224.8
11/26/2023 07:00 PM	0.0	199.7	283.5	224.8
11/26/2023 08:00 PM	0.0	199.7	283.6	224.8
11/26/2023 09:00 PM	0.0	199.7	283.6	224.8
11/26/2023 10:00 PM	0.0	199.7	283.6	224.8
11/26/2023 11:00 PM	0.0	199.7	283.6	224.8
11/27/2023 12:00 AM	0.0	199.7	283.6	224.8
11/27/2023 01:00 AM	0.0	199.7	283.6	224.8
11/27/2023 02:00 AM	0.0	199.7	283.6	224.8
11/27/2023 03:00 AM	0.0	199.7	283.5	224.8
11/27/2023 04:00 AM	0.0	199.6	283.6	224.8
11/27/2023 05:00 AM	0.0	199.6	283.5	224.8
11/27/2023 06:00 AM	0.0	199.6	283.5	224.8
11/27/2023 07:00 AM	0.0	199.6	283.6	224.8
11/27/2023 08:00 AM	0.0	199.6	283.6	224.8
11/27/2023 09:00 AM	0.0	199.7	283.6	224.8
11/27/2023 10:00 AM	0.0	199.7	283.6	224.8
11/27/2023 11:00 AM	0.0	199.7	283.6	224.8
11/27/2023 12:00 PM	0.0	199.7	283.6	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/27/2023 01:00 PM	0.0	199.6	283.6	224.8
11/27/2023 02:00 PM	0.0	199.6	283.5	224.8
11/27/2023 03:00 PM	0.0	199.6	283.6	224.8
11/27/2023 04:00 PM	0.0	199.6	283.5	224.8
11/27/2023 05:00 PM	0.0	199.6	283.5	224.8
11/27/2023 06:00 PM	0.0	199.6	283.5	224.8
11/27/2023 07:00 PM	0.0	199.6	283.6	224.8
11/27/2023 08:00 PM	0.0	199.6	283.6	224.8
11/27/2023 09:00 PM	0.0	199.7	283.6	224.8
11/27/2023 10:00 PM	0.0	199.7	283.6	224.8
11/27/2023 11:00 PM	0.0	199.7	283.6	224.8
11/28/2023 12:00 AM				
11/28/2023 01:00 AM				
11/28/2023 02:00 AM				
11/28/2023 03:00 AM				
11/28/2023 04:00 AM				
11/28/2023 05:00 AM				
11/28/2023 06:00 AM				
11/28/2023 07:00 AM				
11/28/2023 08:00 AM				
11/28/2023 09:00 AM				
11/28/2023 10:00 AM				
11/28/2023 11:00 AM	0.0	199.6	283.6	224.8
11/28/2023 12:00 PM	0.0	199.6	283.6	224.8
11/28/2023 01:00 PM	0.0	199.6	283.6	224.8
11/28/2023 02:00 PM				
11/28/2023 03:00 PM	0.0	199.5	283.5	224.8
11/28/2023 04:00 PM	0.0	199.5	283.6	224.8
11/28/2023 05:00 PM	0.0	199.5	283.5	224.8
11/28/2023 06:00 PM	0.0	199.5	283.5	224.8
11/28/2023 07:00 PM	0.0	199.5	283.6	224.8
11/28/2023 08:00 PM	0.0	199.5	283.5	224.8
11/28/2023 09:00 PM	0.0	199.5	283.5	224.8
11/28/2023 10:00 PM	0.0	199.5	283.5	224.8
11/28/2023 11:00 PM	0.0	199.5	283.5	224.8
11/29/2023 12:00 AM				
11/29/2023 01:00 AM				
11/29/2023 02:00 AM				
11/29/2023 03:00 AM				
11/29/2023 04:00 AM				
11/29/2023 05:00 AM				
11/29/2023 06:00 AM				
11/29/2023 07:00 AM				
11/29/2023 08:00 AM				
11/29/2023 09:00 AM				
11/29/2023 10:00 AM				
11/29/2023 11:00 AM				
11/29/2023 12:00 PM				
11/29/2023 01:00 PM				

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
November 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
11/29/2023 02:00 PM	0.0	199.4	283.4	224.8
11/29/2023 03:00 PM	0.0	199.4	283.4	224.8
11/29/2023 04:00 PM	0.0	199.4	283.4	224.8
11/29/2023 05:00 PM	0.0	199.3	283.4	224.8
11/29/2023 06:00 PM	0.0	199.3	283.4	224.8
11/29/2023 07:00 PM	0.0	199.3	283.4	224.8
11/29/2023 08:00 PM	0.0	199.3	283.4	224.8
11/29/2023 09:00 PM	0.0	199.3	283.3	224.8
11/29/2023 10:00 PM	0.0	199.3	283.4	224.8
11/29/2023 11:00 PM	0.0	199.4	283.3	224.8
11/30/2023 12:00 AM	0.0	199.4	283.4	224.8
11/30/2023 01:00 AM	0.0	199.4	283.4	224.8
11/30/2023 02:00 AM	0.0	199.3	283.4	224.8
11/30/2023 03:00 AM	0.0	199.3	283.3	224.8
11/30/2023 04:00 AM	0.0	199.3	283.3	224.8
11/30/2023 05:00 AM	0.0	199.3	283.3	224.8
11/30/2023 06:00 AM	0.0	199.3	283.3	224.8
11/30/2023 07:00 AM	0.0	199.3	283.3	224.8
11/30/2023 08:00 AM	196.3	199.3	283.3	224.8
11/30/2023 09:00 AM	207.2	199.3	283.5	224.8
11/30/2023 10:00 AM	207.4	199.3	283.6	224.8
11/30/2023 11:00 AM	207.5	199.3	283.7	224.8
11/30/2023 12:00 PM	207.6	199.3	283.7	224.8
11/30/2023 01:00 PM	207.6	199.3	283.8	224.8
11/30/2023 02:00 PM	207.7	199.3	283.8	224.8
11/30/2023 03:00 PM	207.7	199.3	283.9	224.8
11/30/2023 04:00 PM	10.4	200.4	283.8	224.8
11/30/2023 05:00 PM	0.0	199.9	283.8	224.8
11/30/2023 06:00 PM	0.0	199.8	283.7	224.8
11/30/2023 07:00 PM	0.0	199.7	283.6	224.8
11/30/2023 08:00 PM	0.0	199.7	283.6	224.8
11/30/2023 09:00 PM	0.0	199.6	283.6	224.8
11/30/2023 10:00 PM	0.0	199.6	283.6	224.8
11/30/2023 11:00 PM	0.0	199.6	283.5	224.8

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/01/2023 12:00 AM	0.0	0.0	0.0
11/01/2023 01:00 AM	0.0	0.0	0.0
11/01/2023 02:00 AM	0.0	0.0	0.0
11/01/2023 03:00 AM	0.0	0.0	0.0
11/01/2023 04:00 AM	0.0	0.0	0.0
11/01/2023 05:00 AM	0.0	0.0	0.0
11/01/2023 06:00 AM	0.0	0.0	0.0
11/01/2023 07:00 AM	0.0	0.0	0.0
11/01/2023 08:00 AM	0.0	0.0	0.0
11/01/2023 09:00 AM	0.0	0.0	0.0
11/01/2023 10:00 AM	0.0	0.0	0.0
11/01/2023 11:00 AM	0.0	0.0	0.0
11/01/2023 12:00 PM	0.0	0.0	0.0
11/01/2023 01:00 PM	0.0	0.0	0.0
11/01/2023 02:00 PM	0.0	0.0	0.0
11/01/2023 03:00 PM	0.0	0.0	0.0
11/01/2023 04:00 PM			
11/01/2023 05:00 PM	0.0	0.0	0.0
11/01/2023 06:00 PM	0.0	0.0	0.0
11/01/2023 07:00 PM	0.0	0.0	0.0
11/01/2023 08:00 PM	0.0	0.0	0.0
11/01/2023 09:00 PM	0.0	0.0	0.0
11/01/2023 10:00 PM	0.0	0.0	0.0
11/01/2023 11:00 PM	0.0	0.0	0.0
11/02/2023 12:00 AM			
11/02/2023 01:00 AM			
11/02/2023 02:00 AM			
11/02/2023 03:00 AM			
11/02/2023 04:00 AM			
11/02/2023 05:00 AM			
11/02/2023 06:00 AM			
11/02/2023 07:00 AM			
11/02/2023 08:00 AM			
11/02/2023 09:00 AM			
11/02/2023 10:00 AM			
11/02/2023 11:00 AM			
11/02/2023 12:00 PM			
11/02/2023 01:00 PM			
11/02/2023 02:00 PM			
11/02/2023 03:00 PM			
11/02/2023 04:00 PM			

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/02/2023 05:00 PM			
11/02/2023 06:00 PM			
11/02/2023 07:00 PM			
11/02/2023 08:00 PM			
11/02/2023 09:00 PM			
11/02/2023 10:00 PM			
11/02/2023 11:00 PM			
11/03/2023 12:00 AM			
11/03/2023 01:00 AM			
11/03/2023 02:00 AM			
11/03/2023 03:00 AM			
11/03/2023 04:00 AM			
11/03/2023 05:00 AM			
11/03/2023 06:00 AM			
11/03/2023 07:00 AM			
11/03/2023 08:00 AM			
11/03/2023 09:00 AM			
11/03/2023 10:00 AM			
11/03/2023 11:00 AM			
11/03/2023 12:00 PM			
11/03/2023 01:00 PM			
11/03/2023 02:00 PM			
11/03/2023 03:00 PM			
11/03/2023 04:00 PM			
11/03/2023 05:00 PM	0.0	0.0	0.0
11/03/2023 06:00 PM	0.0	0.0	0.0
11/03/2023 07:00 PM	0.0	0.0	0.0
11/03/2023 08:00 PM	0.0	0.0	0.0
11/03/2023 09:00 PM	0.0	0.0	0.0
11/03/2023 10:00 PM	0.0	0.0	0.0
11/03/2023 11:00 PM	0.0	0.0	0.0
11/04/2023 12:00 AM	0.0	0.0	0.0
11/04/2023 01:00 AM	0.0	0.0	0.0
11/04/2023 02:00 AM	0.0	0.0	0.0
11/04/2023 03:00 AM	0.0	0.0	0.0
11/04/2023 04:00 AM	0.0	0.0	0.0
11/04/2023 05:00 AM	0.0	0.0	0.0
11/04/2023 06:00 AM	0.0	0.0	0.0
11/04/2023 07:00 AM	0.0	0.0	0.0
11/04/2023 08:00 AM	0.0	0.0	0.0
11/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/04/2023 10:00 AM	0.0	0.0	0.0
11/04/2023 11:00 AM	0.0	0.0	0.0
11/04/2023 12:00 PM	0.0	0.0	0.0
11/04/2023 01:00 PM	0.0	0.0	0.0
11/04/2023 02:00 PM	0.0	0.0	0.0
11/04/2023 03:00 PM	0.0	0.0	0.0
11/04/2023 04:00 PM	0.0	0.0	0.0
11/04/2023 05:00 PM	0.0	0.0	0.0
11/04/2023 06:00 PM	0.0	0.0	0.0
11/04/2023 07:00 PM	0.0	0.0	0.0
11/04/2023 08:00 PM	0.0	0.0	0.0
11/04/2023 09:00 PM	0.0	0.0	0.0
11/04/2023 10:00 PM	0.0	0.0	0.0
11/04/2023 11:00 PM	0.0	0.0	0.0
11/05/2023 12:00 AM	0.0	0.0	0.0
11/05/2023 01:00 AM	0.0	0.0	0.0
11/05/2023 01:00 AM	0.0	0.0	0.0
11/05/2023 02:00 AM	0.0	0.0	0.0
11/05/2023 03:00 AM	0.0	0.0	0.0
11/05/2023 04:00 AM	0.0	0.0	0.0
11/05/2023 05:00 AM	0.0	0.0	0.0
11/05/2023 06:00 AM	0.0	0.0	0.0
11/05/2023 07:00 AM	0.0	0.0	0.0
11/05/2023 08:00 AM	0.0	0.0	0.0
11/05/2023 09:00 AM	0.0	0.0	0.0
11/05/2023 10:00 AM	0.0	0.0	0.0
11/05/2023 11:00 AM	0.0	0.0	0.0
11/05/2023 12:00 PM	0.0	0.0	0.0
11/05/2023 01:00 PM	0.0	0.0	0.0
11/05/2023 02:00 PM	0.0	0.0	0.0
11/05/2023 03:00 PM	0.0	0.0	0.0
11/05/2023 04:00 PM	0.0	0.0	0.0
11/05/2023 05:00 PM	0.0	0.0	0.0
11/05/2023 06:00 PM	0.0	0.0	0.0
11/05/2023 07:00 PM	0.0	0.0	0.0
11/05/2023 08:00 PM	0.0	0.0	0.0
11/05/2023 09:00 PM	0.0	0.0	0.0
11/05/2023 10:00 PM	0.0	0.0	0.0
11/05/2023 11:00 PM	0.0	0.0	0.0
11/06/2023 12:00 AM	0.0	0.0	0.0
11/06/2023 01:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/06/2023 02:00 AM	0.0	0.0	0.0
11/06/2023 03:00 AM	0.0	0.0	0.0
11/06/2023 04:00 AM	0.0	0.0	0.0
11/06/2023 05:00 AM	0.0	0.0	0.0
11/06/2023 06:00 AM	0.0	0.0	0.0
11/06/2023 07:00 AM	0.0	0.0	0.0
11/06/2023 08:00 AM	0.0	0.0	0.0
11/06/2023 09:00 AM	0.0	0.0	0.0
11/06/2023 10:00 AM	0.0	0.0	0.0
11/06/2023 11:00 AM	0.0	0.0	0.0
11/06/2023 12:00 PM	0.0	0.0	0.0
11/06/2023 01:00 PM	0.0	0.0	0.0
11/06/2023 02:00 PM	0.0	0.0	0.0
11/06/2023 03:00 PM	0.0	0.0	0.0
11/06/2023 04:00 PM	0.0	0.0	0.0
11/06/2023 05:00 PM	0.0	0.0	0.0
11/06/2023 06:00 PM	0.0	0.0	0.0
11/06/2023 07:00 PM	0.0	0.0	0.0
11/06/2023 08:00 PM	0.0	0.0	0.0
11/06/2023 09:00 PM	0.0	0.0	0.0
11/06/2023 10:00 PM	0.0	0.0	0.0
11/06/2023 11:00 PM	0.0	0.0	0.0
11/07/2023 12:00 AM	0.0	0.0	0.0
11/07/2023 01:00 AM	0.0	0.0	0.0
11/07/2023 02:00 AM	0.0	0.0	0.0
11/07/2023 03:00 AM	0.0	0.0	0.0
11/07/2023 04:00 AM	0.0	0.0	0.0
11/07/2023 05:00 AM	0.0	0.0	0.0
11/07/2023 06:00 AM	0.0	0.0	0.0
11/07/2023 07:00 AM	1,855.9	0.0	1,284.6
11/07/2023 08:00 AM	0.0	0.0	0.0
11/07/2023 09:00 AM	0.0	0.0	0.0
11/07/2023 10:00 AM	0.0	0.0	0.0
11/07/2023 11:00 AM	0.0	0.0	0.0
11/07/2023 12:00 PM	0.0	0.0	0.0
11/07/2023 01:00 PM	0.0	0.0	0.0
11/07/2023 02:00 PM	0.0	0.0	0.0
11/07/2023 03:00 PM	0.0	0.0	0.0
11/07/2023 04:00 PM	0.0	0.0	0.0
11/07/2023 05:00 PM	0.0	0.0	0.0
11/07/2023 06:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/07/2023 07:00 PM	0.0	0.0	0.0
11/07/2023 08:00 PM	0.0	0.0	0.0
11/07/2023 09:00 PM	0.0	0.0	0.0
11/07/2023 10:00 PM	0.0	0.0	0.0
11/07/2023 11:00 PM	0.0	0.0	0.0
11/08/2023 12:00 AM	0.0	0.0	0.0
11/08/2023 01:00 AM	0.0	0.0	0.0
11/08/2023 02:00 AM	0.0	0.0	0.0
11/08/2023 03:00 AM	0.0	0.0	0.0
11/08/2023 04:00 AM	0.0	0.0	0.0
11/08/2023 05:00 AM	0.0	0.0	0.0
11/08/2023 06:00 AM	0.0	0.0	0.0
11/08/2023 07:00 AM	0.0	0.0	0.0
11/08/2023 08:00 AM	0.0	0.0	0.0
11/08/2023 09:00 AM	0.0	0.0	0.0
11/08/2023 10:00 AM	0.0	0.0	0.0
11/08/2023 11:00 AM	0.0	0.0	0.0
11/08/2023 12:00 PM	0.0	0.0	0.0
11/08/2023 01:00 PM	0.0	0.0	0.0
11/08/2023 02:00 PM	0.0	0.0	0.0
11/08/2023 03:00 PM	0.0	0.0	0.0
11/08/2023 04:00 PM	0.0	0.0	0.0
11/08/2023 05:00 PM	0.0	0.0	0.0
11/08/2023 06:00 PM	0.0	0.0	0.0
11/08/2023 07:00 PM	0.0	0.0	0.0
11/08/2023 08:00 PM	0.0	0.0	0.0
11/08/2023 09:00 PM	0.0	0.0	0.0
11/08/2023 10:00 PM	0.0	0.0	0.0
11/08/2023 11:00 PM	0.0	0.0	0.0
11/09/2023 12:00 AM	0.0	0.0	0.0
11/09/2023 01:00 AM	0.0	0.0	0.0
11/09/2023 02:00 AM	0.0	0.0	0.0
11/09/2023 03:00 AM	0.0	0.0	0.0
11/09/2023 04:00 AM	0.0	0.0	0.0
11/09/2023 05:00 AM	0.0	0.0	0.0
11/09/2023 06:00 AM	0.0	0.0	0.0
11/09/2023 07:00 AM	0.0	0.0	0.0
11/09/2023 08:00 AM	1,998.0	0.0	1,772.6
11/09/2023 09:00 AM	1,829.3	1,763.5	1,790.1
11/09/2023 10:00 AM	1,764.3	1,739.6	1,749.9
11/09/2023 11:00 AM	1,741.1	1,723.3	1,732.3

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/09/2023 12:00 PM	1,730.4	1,713.7	1,721.9
11/09/2023 01:00 PM	1,720.8	1,700.8	1,711.5
11/09/2023 02:00 PM	1,707.1	1,686.0	1,698.9
11/09/2023 03:00 PM	1,689.3	1,673.4	1,685.2
11/09/2023 04:00 PM	1,673.4	0.0	83.6
11/09/2023 05:00 PM	0.0	0.0	0.0
11/09/2023 06:00 PM	0.0	0.0	0.0
11/09/2023 07:00 PM	0.0	0.0	0.0
11/09/2023 08:00 PM	0.0	0.0	0.0
11/09/2023 09:00 PM	0.0	0.0	0.0
11/09/2023 10:00 PM	0.0	0.0	0.0
11/09/2023 11:00 PM	0.0	0.0	0.0
11/10/2023 12:00 AM	0.0	0.0	0.0
11/10/2023 01:00 AM	0.0	0.0	0.0
11/10/2023 02:00 AM	0.0	0.0	0.0
11/10/2023 03:00 AM	0.0	0.0	0.0
11/10/2023 04:00 AM	0.0	0.0	0.0
11/10/2023 05:00 AM	0.0	0.0	0.0
11/10/2023 06:00 AM	0.0	0.0	0.0
11/10/2023 07:00 AM	0.0	0.0	0.0
11/10/2023 08:00 AM	0.0	0.0	0.0
11/10/2023 09:00 AM	0.0	0.0	0.0
11/10/2023 10:00 AM	0.0	0.0	0.0
11/10/2023 11:00 AM	0.0	0.0	0.0
11/10/2023 12:00 PM	0.0	0.0	0.0
11/10/2023 01:00 PM	0.0	0.0	0.0
11/10/2023 02:00 PM	0.0	0.0	0.0
11/10/2023 03:00 PM	0.0	0.0	0.0
11/10/2023 04:00 PM	0.0	0.0	0.0
11/10/2023 05:00 PM	0.0	0.0	0.0
11/10/2023 06:00 PM	0.0	0.0	0.0
11/10/2023 07:00 PM	0.0	0.0	0.0
11/10/2023 08:00 PM	0.0	0.0	0.0
11/10/2023 09:00 PM	0.0	0.0	0.0
11/10/2023 10:00 PM	0.0	0.0	0.0
11/10/2023 11:00 PM	0.0	0.0	0.0
11/11/2023 12:00 AM	0.0	0.0	0.0
11/11/2023 01:00 AM	0.0	0.0	0.0
11/11/2023 02:00 AM	0.0	0.0	0.0
11/11/2023 03:00 AM	0.0	0.0	0.0
11/11/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/11/2023 05:00 AM	0.0	0.0	0.0
11/11/2023 06:00 AM	0.0	0.0	0.0
11/11/2023 07:00 AM	0.0	0.0	0.0
11/11/2023 08:00 AM	0.0	0.0	0.0
11/11/2023 09:00 AM	0.0	0.0	0.0
11/11/2023 10:00 AM	0.0	0.0	0.0
11/11/2023 11:00 AM	0.0	0.0	0.0
11/11/2023 12:00 PM	0.0	0.0	0.0
11/11/2023 01:00 PM	0.0	0.0	0.0
11/11/2023 02:00 PM	0.0	0.0	0.0
11/11/2023 03:00 PM	0.0	0.0	0.0
11/11/2023 04:00 PM	0.0	0.0	0.0
11/11/2023 05:00 PM	0.0	0.0	0.0
11/11/2023 06:00 PM	0.0	0.0	0.0
11/11/2023 07:00 PM	0.0	0.0	0.0
11/11/2023 08:00 PM	0.0	0.0	0.0
11/11/2023 09:00 PM	0.0	0.0	0.0
11/11/2023 10:00 PM	0.0	0.0	0.0
11/11/2023 11:00 PM	0.0	0.0	0.0
11/12/2023 12:00 AM	0.0	0.0	0.0
11/12/2023 01:00 AM	0.0	0.0	0.0
11/12/2023 02:00 AM	0.0	0.0	0.0
11/12/2023 03:00 AM	0.0	0.0	0.0
11/12/2023 04:00 AM	0.0	0.0	0.0
11/12/2023 05:00 AM	0.0	0.0	0.0
11/12/2023 06:00 AM	0.0	0.0	0.0
11/12/2023 07:00 AM	0.0	0.0	0.0
11/12/2023 08:00 AM	0.0	0.0	0.0
11/12/2023 09:00 AM	0.0	0.0	0.0
11/12/2023 10:00 AM	0.0	0.0	0.0
11/12/2023 11:00 AM	0.0	0.0	0.0
11/12/2023 12:00 PM	0.0	0.0	0.0
11/12/2023 01:00 PM	0.0	0.0	0.0
11/12/2023 02:00 PM	0.0	0.0	0.0
11/12/2023 03:00 PM	0.0	0.0	0.0
11/12/2023 04:00 PM	0.0	0.0	0.0
11/12/2023 05:00 PM	0.0	0.0	0.0
11/12/2023 06:00 PM	0.0	0.0	0.0
11/12/2023 07:00 PM	0.0	0.0	0.0
11/12/2023 08:00 PM	0.0	0.0	0.0
11/12/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/12/2023 10:00 PM	0.0	0.0	0.0
11/12/2023 11:00 PM	0.0	0.0	0.0
11/13/2023 12:00 AM	0.0	0.0	0.0
11/13/2023 01:00 AM	0.0	0.0	0.0
11/13/2023 02:00 AM	0.0	0.0	0.0
11/13/2023 03:00 AM	0.0	0.0	0.0
11/13/2023 04:00 AM	0.0	0.0	0.0
11/13/2023 05:00 AM	0.0	0.0	0.0
11/13/2023 06:00 AM	0.0	0.0	0.0
11/13/2023 07:00 AM	0.0	0.0	0.0
11/13/2023 08:00 AM	0.0	0.0	0.0
11/13/2023 09:00 AM	0.0	0.0	0.0
11/13/2023 10:00 AM	0.0	0.0	0.0
11/13/2023 11:00 AM	0.0	0.0	0.0
11/13/2023 12:00 PM	0.0	0.0	0.0
11/13/2023 01:00 PM	0.0	0.0	0.0
11/13/2023 02:00 PM	0.0	0.0	0.0
11/13/2023 03:00 PM	0.0	0.0	0.0
11/13/2023 04:00 PM	0.0	0.0	0.0
11/13/2023 05:00 PM	0.0	0.0	0.0
11/13/2023 06:00 PM	0.0	0.0	0.0
11/13/2023 07:00 PM	0.0	0.0	0.0
11/13/2023 08:00 PM	0.0	0.0	0.0
11/13/2023 09:00 PM	0.0	0.0	0.0
11/13/2023 10:00 PM	0.0	0.0	0.0
11/13/2023 11:00 PM	0.0	0.0	0.0
11/14/2023 12:00 AM	0.0	0.0	0.0
11/14/2023 01:00 AM	0.0	0.0	0.0
11/14/2023 02:00 AM	0.0	0.0	0.0
11/14/2023 03:00 AM	0.0	0.0	0.0
11/14/2023 04:00 AM	0.0	0.0	0.0
11/14/2023 05:00 AM	0.0	0.0	0.0
11/14/2023 06:00 AM	0.0	0.0	0.0
11/14/2023 07:00 AM	0.0	0.0	0.0
11/14/2023 08:00 AM	0.0	0.0	0.0
11/14/2023 09:00 AM	0.0	0.0	0.0
11/14/2023 10:00 AM	0.0	0.0	0.0
11/14/2023 11:00 AM	0.0	0.0	0.0
11/14/2023 12:00 PM	0.0	0.0	0.0
11/14/2023 01:00 PM	0.0	0.0	0.0
11/14/2023 02:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/14/2023 03:00 PM	0.0	0.0	0.0
11/14/2023 04:00 PM	0.0	0.0	0.0
11/14/2023 05:00 PM	0.0	0.0	0.0
11/14/2023 06:00 PM	0.0	0.0	0.0
11/14/2023 07:00 PM	0.0	0.0	0.0
11/14/2023 08:00 PM	0.0	0.0	0.0
11/14/2023 09:00 PM	0.0	0.0	0.0
11/14/2023 10:00 PM	0.0	0.0	0.0
11/14/2023 11:00 PM	0.0	0.0	0.0
11/15/2023 12:00 AM	0.0	0.0	0.0
11/15/2023 01:00 AM	0.0	0.0	0.0
11/15/2023 02:00 AM	0.0	0.0	0.0
11/15/2023 03:00 AM	0.0	0.0	0.0
11/15/2023 04:00 AM	0.0	0.0	0.0
11/15/2023 05:00 AM	0.0	0.0	0.0
11/15/2023 06:00 AM	0.0	0.0	0.0
11/15/2023 07:00 AM	0.0	0.0	0.0
11/15/2023 08:00 AM	0.0	0.0	0.0
11/15/2023 09:00 AM	0.0	0.0	0.0
11/15/2023 10:00 AM	0.0	0.0	0.0
11/15/2023 11:00 AM	0.0	0.0	0.0
11/15/2023 12:00 PM	0.0	0.0	0.0
11/15/2023 01:00 PM	0.0	0.0	0.0
11/15/2023 02:00 PM	0.0	0.0	0.0
11/15/2023 03:00 PM	0.0	0.0	0.0
11/15/2023 04:00 PM	0.0	0.0	0.0
11/15/2023 05:00 PM	0.0	0.0	0.0
11/15/2023 06:00 PM	0.0	0.0	0.0
11/15/2023 07:00 PM	0.0	0.0	0.0
11/15/2023 08:00 PM	0.0	0.0	0.0
11/15/2023 09:00 PM	0.0	0.0	0.0
11/15/2023 10:00 PM	0.0	0.0	0.0
11/15/2023 11:00 PM	0.0	0.0	0.0
11/16/2023 12:00 AM	0.0	0.0	0.0
11/16/2023 01:00 AM	0.0	0.0	0.0
11/16/2023 02:00 AM	0.0	0.0	0.0
11/16/2023 03:00 AM	0.0	0.0	0.0
11/16/2023 04:00 AM	0.0	0.0	0.0
11/16/2023 05:00 AM	0.0	0.0	0.0
11/16/2023 06:00 AM	0.0	0.0	0.0
11/16/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/16/2023 08:00 AM	1,878.6	0.0	1,769.1
11/16/2023 09:00 AM	1,858.2	1,766.7	1,805.0
11/16/2023 10:00 AM	1,769.0	1,745.9	1,757.0
11/16/2023 11:00 AM	1,749.8	1,733.7	1,740.1
11/16/2023 12:00 PM	1,739.3	1,720.9	1,729.3
11/16/2023 01:00 PM	1,733.5	1,710.1	1,720.9
11/16/2023 02:00 PM	1,722.5	1,703.1	1,713.3
11/16/2023 03:00 PM	1,713.5	1,695.7	1,703.0
11/16/2023 04:00 PM	1,699.4	0.0	84.9
11/16/2023 05:00 PM	0.0	0.0	0.0
11/16/2023 06:00 PM	0.0	0.0	0.0
11/16/2023 07:00 PM	0.0	0.0	0.0
11/16/2023 08:00 PM	0.0	0.0	0.0
11/16/2023 09:00 PM	0.0	0.0	0.0
11/16/2023 10:00 PM	0.0	0.0	0.0
11/16/2023 11:00 PM	0.0	0.0	0.0
11/17/2023 12:00 AM	0.0	0.0	0.0
11/17/2023 01:00 AM	0.0	0.0	0.0
11/17/2023 02:00 AM	0.0	0.0	0.0
11/17/2023 03:00 AM	0.0	0.0	0.0
11/17/2023 04:00 AM	0.0	0.0	0.0
11/17/2023 05:00 AM	0.0	0.0	0.0
11/17/2023 06:00 AM	0.0	0.0	0.0
11/17/2023 07:00 AM	0.0	0.0	0.0
11/17/2023 08:00 AM	0.0	0.0	0.0
11/17/2023 09:00 AM	0.0	0.0	0.0
11/17/2023 10:00 AM	0.0	0.0	0.0
11/17/2023 11:00 AM	0.0	0.0	0.0
11/17/2023 12:00 PM	0.0	0.0	0.0
11/17/2023 01:00 PM	0.0	0.0	0.0
11/17/2023 02:00 PM	0.0	0.0	0.0
11/17/2023 03:00 PM	0.0	0.0	0.0
11/17/2023 04:00 PM	0.0	0.0	0.0
11/17/2023 05:00 PM	0.0	0.0	0.0
11/17/2023 06:00 PM	0.0	0.0	0.0
11/17/2023 07:00 PM	0.0	0.0	0.0
11/17/2023 08:00 PM	0.0	0.0	0.0
11/17/2023 09:00 PM	0.0	0.0	0.0
11/17/2023 10:00 PM	0.0	0.0	0.0
11/17/2023 11:00 PM	0.0	0.0	0.0
11/18/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/18/2023 01:00 AM	0.0	0.0	0.0
11/18/2023 02:00 AM	0.0	0.0	0.0
11/18/2023 03:00 AM	0.0	0.0	0.0
11/18/2023 04:00 AM	0.0	0.0	0.0
11/18/2023 05:00 AM	0.0	0.0	0.0
11/18/2023 06:00 AM	0.0	0.0	0.0
11/18/2023 07:00 AM	0.0	0.0	0.0
11/18/2023 08:00 AM	0.0	0.0	0.0
11/18/2023 09:00 AM	0.0	0.0	0.0
11/18/2023 10:00 AM	0.0	0.0	0.0
11/18/2023 11:00 AM	0.0	0.0	0.0
11/18/2023 12:00 PM	0.0	0.0	0.0
11/18/2023 01:00 PM	0.0	0.0	0.0
11/18/2023 02:00 PM	0.0	0.0	0.0
11/18/2023 03:00 PM	0.0	0.0	0.0
11/18/2023 04:00 PM	0.0	0.0	0.0
11/18/2023 05:00 PM	0.0	0.0	0.0
11/18/2023 06:00 PM	0.0	0.0	0.0
11/18/2023 07:00 PM	0.0	0.0	0.0
11/18/2023 08:00 PM	0.0	0.0	0.0
11/18/2023 09:00 PM	0.0	0.0	0.0
11/18/2023 10:00 PM	0.0	0.0	0.0
11/18/2023 11:00 PM	0.0	0.0	0.0
11/19/2023 12:00 AM	0.0	0.0	0.0
11/19/2023 01:00 AM	0.0	0.0	0.0
11/19/2023 02:00 AM	0.0	0.0	0.0
11/19/2023 03:00 AM	0.0	0.0	0.0
11/19/2023 04:00 AM	0.0	0.0	0.0
11/19/2023 05:00 AM	0.0	0.0	0.0
11/19/2023 06:00 AM	0.0	0.0	0.0
11/19/2023 07:00 AM	0.0	0.0	0.0
11/19/2023 08:00 AM	0.0	0.0	0.0
11/19/2023 09:00 AM	0.0	0.0	0.0
11/19/2023 10:00 AM	0.0	0.0	0.0
11/19/2023 11:00 AM	0.0	0.0	0.0
11/19/2023 12:00 PM	0.0	0.0	0.0
11/19/2023 01:00 PM	0.0	0.0	0.0
11/19/2023 02:00 PM	0.0	0.0	0.0
11/19/2023 03:00 PM	0.0	0.0	0.0
11/19/2023 04:00 PM	0.0	0.0	0.0
11/19/2023 05:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/19/2023 06:00 PM	0.0	0.0	0.0
11/19/2023 07:00 PM	0.0	0.0	0.0
11/19/2023 08:00 PM	0.0	0.0	0.0
11/19/2023 09:00 PM	0.0	0.0	0.0
11/19/2023 10:00 PM	0.0	0.0	0.0
11/19/2023 11:00 PM	0.0	0.0	0.0
11/20/2023 12:00 AM	0.0	0.0	0.0
11/20/2023 01:00 AM	0.0	0.0	0.0
11/20/2023 02:00 AM	0.0	0.0	0.0
11/20/2023 03:00 AM	0.0	0.0	0.0
11/20/2023 04:00 AM	0.0	0.0	0.0
11/20/2023 05:00 AM	0.0	0.0	0.0
11/20/2023 06:00 AM	0.0	0.0	0.0
11/20/2023 07:00 AM	0.0	0.0	0.0
11/20/2023 08:00 AM	0.0	0.0	0.0
11/20/2023 09:00 AM	0.0	0.0	0.0
11/20/2023 10:00 AM	0.0	0.0	0.0
11/20/2023 11:00 AM	0.0	0.0	0.0
11/20/2023 12:00 PM	0.0	0.0	0.0
11/20/2023 01:00 PM	0.0	0.0	0.0
11/20/2023 02:00 PM	0.0	0.0	0.0
11/20/2023 03:00 PM	0.0	0.0	0.0
11/20/2023 04:00 PM	0.0	0.0	0.0
11/20/2023 05:00 PM	0.0	0.0	0.0
11/20/2023 06:00 PM	0.0	0.0	0.0
11/20/2023 07:00 PM	0.0	0.0	0.0
11/20/2023 08:00 PM	0.0	0.0	0.0
11/20/2023 09:00 PM	0.0	0.0	0.0
11/20/2023 10:00 PM	0.0	0.0	0.0
11/20/2023 11:00 PM	0.0	0.0	0.0
11/21/2023 12:00 AM	0.0	0.0	0.0
11/21/2023 01:00 AM	0.0	0.0	0.0
11/21/2023 02:00 AM	0.0	0.0	0.0
11/21/2023 03:00 AM	0.0	0.0	0.0
11/21/2023 04:00 AM	0.0	0.0	0.0
11/21/2023 05:00 AM	0.0	0.0	0.0
11/21/2023 06:00 AM	0.0	0.0	0.0
11/21/2023 07:00 AM	0.0	0.0	0.0
11/21/2023 08:00 AM	0.0	0.0	0.0
11/21/2023 09:00 AM	0.0	0.0	0.0
11/21/2023 10:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/21/2023 11:00 AM	0.0	0.0	0.0
11/21/2023 12:00 PM	0.0	0.0	0.0
11/21/2023 01:00 PM	0.0	0.0	0.0
11/21/2023 02:00 PM	0.0	0.0	0.0
11/21/2023 03:00 PM	0.0	0.0	0.0
11/21/2023 04:00 PM	0.0	0.0	0.0
11/21/2023 05:00 PM	0.0	0.0	0.0
11/21/2023 06:00 PM	0.0	0.0	0.0
11/21/2023 07:00 PM	0.0	0.0	0.0
11/21/2023 08:00 PM	0.0	0.0	0.0
11/21/2023 09:00 PM	0.0	0.0	0.0
11/21/2023 10:00 PM	0.0	0.0	0.0
11/21/2023 11:00 PM	0.0	0.0	0.0
11/22/2023 12:00 AM	0.0	0.0	0.0
11/22/2023 01:00 AM	0.0	0.0	0.0
11/22/2023 02:00 AM	0.0	0.0	0.0
11/22/2023 03:00 AM	0.0	0.0	0.0
11/22/2023 04:00 AM	0.0	0.0	0.0
11/22/2023 05:00 AM	0.0	0.0	0.0
11/22/2023 06:00 AM	0.0	0.0	0.0
11/22/2023 07:00 AM	0.0	0.0	0.0
11/22/2023 08:00 AM	0.0	0.0	0.0
11/22/2023 09:00 AM	0.0	0.0	0.0
11/22/2023 10:00 AM	0.0	0.0	0.0
11/22/2023 11:00 AM	0.0	0.0	0.0
11/22/2023 12:00 PM	0.0	0.0	0.0
11/22/2023 01:00 PM	0.0	0.0	0.0
11/22/2023 02:00 PM	0.0	0.0	0.0
11/22/2023 03:00 PM	0.0	0.0	0.0
11/22/2023 04:00 PM	0.0	0.0	0.0
11/22/2023 05:00 PM	0.0	0.0	0.0
11/22/2023 06:00 PM	0.0	0.0	0.0
11/22/2023 07:00 PM	0.0	0.0	0.0
11/22/2023 08:00 PM	0.0	0.0	0.0
11/22/2023 09:00 PM	0.0	0.0	0.0
11/22/2023 10:00 PM	0.0	0.0	0.0
11/22/2023 11:00 PM	0.0	0.0	0.0
11/23/2023 12:00 AM	0.0	0.0	0.0
11/23/2023 01:00 AM	0.0	0.0	0.0
11/23/2023 02:00 AM	0.0	0.0	0.0
11/23/2023 03:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/23/2023 04:00 AM	0.0	0.0	0.0
11/23/2023 05:00 AM	0.0	0.0	0.0
11/23/2023 06:00 AM	0.0	0.0	0.0
11/23/2023 07:00 AM	0.0	0.0	0.0
11/23/2023 08:00 AM	1,928.9	0.0	1,805.3
11/23/2023 09:00 AM	1,899.0	1,803.1	1,837.6
11/23/2023 10:00 AM	1,803.1	1,769.3	1,785.9
11/23/2023 11:00 AM	1,773.5	1,757.9	1,766.1
11/23/2023 12:00 PM	1,767.1	1,745.9	1,754.6
11/23/2023 01:00 PM	1,749.2	1,735.8	1,743.4
11/23/2023 02:00 PM	1,743.2	1,725.8	1,734.1
11/23/2023 03:00 PM	1,729.8	1,712.2	1,722.0
11/23/2023 04:00 PM	1,716.9	0.0	85.8
11/23/2023 05:00 PM	0.0	0.0	0.0
11/23/2023 06:00 PM	0.0	0.0	0.0
11/23/2023 07:00 PM	0.0	0.0	0.0
11/23/2023 08:00 PM	0.0	0.0	0.0
11/23/2023 09:00 PM	0.0	0.0	0.0
11/23/2023 10:00 PM	0.0	0.0	0.0
11/23/2023 11:00 PM	0.0	0.0	0.0
11/24/2023 12:00 AM	0.0	0.0	0.0
11/24/2023 01:00 AM	0.0	0.0	0.0
11/24/2023 02:00 AM	0.0	0.0	0.0
11/24/2023 03:00 AM	0.0	0.0	0.0
11/24/2023 04:00 AM	0.0	0.0	0.0
11/24/2023 05:00 AM	0.0	0.0	0.0
11/24/2023 06:00 AM	0.0	0.0	0.0
11/24/2023 07:00 AM	0.0	0.0	0.0
11/24/2023 08:00 AM	0.0	0.0	0.0
11/24/2023 09:00 AM	0.0	0.0	0.0
11/24/2023 10:00 AM	0.0	0.0	0.0
11/24/2023 11:00 AM	0.0	0.0	0.0
11/24/2023 12:00 PM	0.0	0.0	0.0
11/24/2023 01:00 PM	0.0	0.0	0.0
11/24/2023 02:00 PM	0.0	0.0	0.0
11/24/2023 03:00 PM	0.0	0.0	0.0
11/24/2023 04:00 PM	0.0	0.0	0.0
11/24/2023 05:00 PM	0.0	0.0	0.0
11/24/2023 06:00 PM	0.0	0.0	0.0
11/24/2023 07:00 PM	0.0	0.0	0.0
11/24/2023 08:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/24/2023 09:00 PM	0.0	0.0	0.0
11/24/2023 10:00 PM	0.0	0.0	0.0
11/24/2023 11:00 PM	0.0	0.0	0.0
11/25/2023 12:00 AM	0.0	0.0	0.0
11/25/2023 01:00 AM	0.0	0.0	0.0
11/25/2023 02:00 AM	0.0	0.0	0.0
11/25/2023 03:00 AM	0.0	0.0	0.0
11/25/2023 04:00 AM	0.0	0.0	0.0
11/25/2023 05:00 AM	0.0	0.0	0.0
11/25/2023 06:00 AM	0.0	0.0	0.0
11/25/2023 07:00 AM	0.0	0.0	0.0
11/25/2023 08:00 AM	0.0	0.0	0.0
11/25/2023 09:00 AM	0.0	0.0	0.0
11/25/2023 10:00 AM	0.0	0.0	0.0
11/25/2023 11:00 AM	0.0	0.0	0.0
11/25/2023 12:00 PM	0.0	0.0	0.0
11/25/2023 01:00 PM	0.0	0.0	0.0
11/25/2023 02:00 PM	0.0	0.0	0.0
11/25/2023 03:00 PM	0.0	0.0	0.0
11/25/2023 04:00 PM	0.0	0.0	0.0
11/25/2023 05:00 PM	0.0	0.0	0.0
11/25/2023 06:00 PM	0.0	0.0	0.0
11/25/2023 07:00 PM	0.0	0.0	0.0
11/25/2023 08:00 PM	0.0	0.0	0.0
11/25/2023 09:00 PM	0.0	0.0	0.0
11/25/2023 10:00 PM	0.0	0.0	0.0
11/25/2023 11:00 PM	0.0	0.0	0.0
11/26/2023 12:00 AM	0.0	0.0	0.0
11/26/2023 01:00 AM	0.0	0.0	0.0
11/26/2023 02:00 AM	0.0	0.0	0.0
11/26/2023 03:00 AM	0.0	0.0	0.0
11/26/2023 04:00 AM	0.0	0.0	0.0
11/26/2023 05:00 AM	0.0	0.0	0.0
11/26/2023 06:00 AM	0.0	0.0	0.0
11/26/2023 07:00 AM	0.0	0.0	0.0
11/26/2023 08:00 AM	0.0	0.0	0.0
11/26/2023 09:00 AM	0.0	0.0	0.0
11/26/2023 10:00 AM	0.0	0.0	0.0
11/26/2023 11:00 AM	0.0	0.0	0.0
11/26/2023 12:00 PM	0.0	0.0	0.0
11/26/2023 01:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/26/2023 02:00 PM	0.0	0.0	0.0
11/26/2023 03:00 PM	0.0	0.0	0.0
11/26/2023 04:00 PM	0.0	0.0	0.0
11/26/2023 05:00 PM	0.0	0.0	0.0
11/26/2023 06:00 PM	0.0	0.0	0.0
11/26/2023 07:00 PM	0.0	0.0	0.0
11/26/2023 08:00 PM	0.0	0.0	0.0
11/26/2023 09:00 PM	0.0	0.0	0.0
11/26/2023 10:00 PM	0.0	0.0	0.0
11/26/2023 11:00 PM	0.0	0.0	0.0
11/27/2023 12:00 AM	0.0	0.0	0.0
11/27/2023 01:00 AM	0.0	0.0	0.0
11/27/2023 02:00 AM	0.0	0.0	0.0
11/27/2023 03:00 AM	0.0	0.0	0.0
11/27/2023 04:00 AM	0.0	0.0	0.0
11/27/2023 05:00 AM	0.0	0.0	0.0
11/27/2023 06:00 AM	0.0	0.0	0.0
11/27/2023 07:00 AM	0.0	0.0	0.0
11/27/2023 08:00 AM	0.0	0.0	0.0
11/27/2023 09:00 AM	0.0	0.0	0.0
11/27/2023 10:00 AM	0.0	0.0	0.0
11/27/2023 11:00 AM	0.0	0.0	0.0
11/27/2023 12:00 PM	0.0	0.0	0.0
11/27/2023 01:00 PM	0.0	0.0	0.0
11/27/2023 02:00 PM	0.0	0.0	0.0
11/27/2023 03:00 PM	0.0	0.0	0.0
11/27/2023 04:00 PM	0.0	0.0	0.0
11/27/2023 05:00 PM	0.0	0.0	0.0
11/27/2023 06:00 PM	0.0	0.0	0.0
11/27/2023 07:00 PM	0.0	0.0	0.0
11/27/2023 08:00 PM	0.0	0.0	0.0
11/27/2023 09:00 PM	0.0	0.0	0.0
11/27/2023 10:00 PM	0.0	0.0	0.0
11/27/2023 11:00 PM	0.0	0.0	0.0
11/28/2023 12:00 AM	0.0	0.0	0.0
11/28/2023 01:00 AM	0.0	0.0	0.0
11/28/2023 02:00 AM	0.0	0.0	0.0
11/28/2023 03:00 AM	0.0	0.0	0.0
11/28/2023 04:00 AM	0.0	0.0	0.0
11/28/2023 05:00 AM	0.0	0.0	0.0
11/28/2023 06:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/28/2023 07:00 AM	0.0	0.0	0.0
11/28/2023 08:00 AM	0.0	0.0	0.0
11/28/2023 09:00 AM	0.0	0.0	0.0
11/28/2023 10:00 AM	0.0	0.0	0.0
11/28/2023 11:00 AM	0.0	0.0	0.0
11/28/2023 12:00 PM	0.0	0.0	0.0
11/28/2023 01:00 PM	0.0	0.0	0.0
11/28/2023 02:00 PM			
11/28/2023 03:00 PM	0.0	0.0	0.0
11/28/2023 04:00 PM	0.0	0.0	0.0
11/28/2023 05:00 PM	0.0	0.0	0.0
11/28/2023 06:00 PM	0.0	0.0	0.0
11/28/2023 07:00 PM	0.0	0.0	0.0
11/28/2023 08:00 PM	0.0	0.0	0.0
11/28/2023 09:00 PM	0.0	0.0	0.0
11/28/2023 10:00 PM	0.0	0.0	0.0
11/28/2023 11:00 PM	0.0	0.0	0.0
11/29/2023 12:00 AM			
11/29/2023 01:00 AM			
11/29/2023 02:00 AM			
11/29/2023 03:00 AM			
11/29/2023 04:00 AM			
11/29/2023 05:00 AM			
11/29/2023 06:00 AM			
11/29/2023 07:00 AM			
11/29/2023 08:00 AM	0.0	0.0	0.0
11/29/2023 09:00 AM	0.0	0.0	0.0
11/29/2023 10:00 AM	0.0	0.0	0.0
11/29/2023 11:00 AM	0.0	0.0	0.0
11/29/2023 12:00 PM	0.0	0.0	0.0
11/29/2023 01:00 PM	0.0	0.0	0.0
11/29/2023 02:00 PM	0.0	0.0	0.0
11/29/2023 03:00 PM	0.0	0.0	0.0
11/29/2023 04:00 PM	0.0	0.0	0.0
11/29/2023 05:00 PM	0.0	0.0	0.0
11/29/2023 06:00 PM	0.0	0.0	0.0
11/29/2023 07:00 PM	0.0	0.0	0.0
11/29/2023 08:00 PM	0.0	0.0	0.0
11/29/2023 09:00 PM	0.0	0.0	0.0
11/29/2023 10:00 PM	0.0	0.0	0.0
11/29/2023 11:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
November 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
11/30/2023 12:00 AM	0.0	0.0	0.0
11/30/2023 01:00 AM	0.0	0.0	0.0
11/30/2023 02:00 AM	0.0	0.0	0.0
11/30/2023 03:00 AM	0.0	0.0	0.0
11/30/2023 04:00 AM	0.0	0.0	0.0
11/30/2023 05:00 AM	0.0	0.0	0.0
11/30/2023 06:00 AM	0.0	0.0	0.0
11/30/2023 07:00 AM	0.0	0.0	0.0
11/30/2023 08:00 AM	1,909.7	0.0	1,794.9
11/30/2023 09:00 AM	1,891.8	1,779.2	1,826.7
11/30/2023 10:00 AM	1,781.9	1,751.4	1,769.6
11/30/2023 11:00 AM	1,769.1	1,742.2	1,757.2
11/30/2023 12:00 PM	1,765.3	1,747.4	1,754.8
11/30/2023 01:00 PM	1,751.0	1,727.9	1,739.2
11/30/2023 02:00 PM	1,729.3	1,717.9	1,723.9
11/30/2023 03:00 PM	1,745.4	1,716.1	1,728.5
11/30/2023 04:00 PM	1,717.8	0.0	85.7
11/30/2023 05:00 PM	0.0	0.0	0.0
11/30/2023 06:00 PM	0.0	0.0	0.0
11/30/2023 07:00 PM	0.0	0.0	0.0
11/30/2023 08:00 PM	0.0	0.0	0.0
11/30/2023 09:00 PM	0.0	0.0	0.0
11/30/2023 10:00 PM	0.0	0.0	0.0
11/30/2023 11:00 PM	0.0	0.0	0.0

December 2023

DBS&A
a Geo-Logic Company

Griggs/Walnut Treatment Facility
Raw and Finished Water Daily Gallons
December 2023

Date	Raw Water	Finished Water
12/01/2023	382,281	378,070
12/02/2023	351,044	340,851
12/03/2023	351,044	336,190
12/04/2023	350,490	342,291
12/05/2023	350,490	342,291
12/06/2023	349,989	343,407
12/07/2023	376,793	376,911
12/08/2023	376,793	376,911
12/09/2023	351,590	337,021
12/10/2023	351,110	341,381
12/11/2023	351,110	341,381
12/12/2023	350,695	343,951
12/13/2023	350,695	343,951
12/14/2023	385,899	379,259
12/15/2023	385,899	379,259
12/16/2023	345,165	345,659
12/17/2023	345,165	345,339
12/18/2023	346,826	345,339
12/19/2023	339,407	343,003
12/20/2023	346,874	343,003
12/21/2023	386,462	376,564
12/22/2023	386,462	376,564
12/23/2023	347,419	340,785
12/24/2023	347,419	339,519
12/25/2023	349,028	339,519
12/26/2023	349,028	336,764
12/27/2023	350,659	338,461
12/28/2023	378,435	380,059
12/29/2023	378,435	380,059
12/30/2023	350,370	342,480
12/31/2023	341,503	342,480
Totals:	**11,104,577**	**10,918,716**

Griggs/Walnut Treatment Facility
Raw and Finished Water Transfer Pump Runtimes
December 2023

Date	Raw Water Transfer		Finished Water Transfer	
	Pump 1	Pump 2	Pump 1	Pump 2
12/01/2023	7.1	9.0	8.4	10.9
12/02/2023	5.1	9.9	8.4	8.6
12/03/2023	5.2	9.9	7.7	8.6
12/04/2023	5.2	9.4	8.3	8.6
12/05/2023	5.2	9.4	8.3	8.1
12/06/2023	5.1	9.5	8.3	8.6
12/07/2023	6.9	9.5	8.0	11.8
12/08/2023	6.9	9.7	8.4	11.8
12/09/2023	5.0	9.7	8.4	7.9
12/10/2023	5.3	9.4	8.4	8.7
12/11/2023	5.3	9.4	7.8	8.7
12/12/2023	5.3	9.4	8.3	8.6
12/13/2023	5.3	9.4	8.3	8.2
12/14/2023	6.7	9.4	8.3	10.8
12/15/2023	6.7	9.4	8.2	10.8
12/16/2023	5.1	9.7	8.3	8.5
12/17/2023	5.3	9.7	8.4	8.3
12/18/2023	5.3	9.8	8.4	8.6
12/19/2023	5.4	8.8	7.9	8.7
12/20/2023	5.4	9.9	8.4	8.7
12/21/2023	6.6	9.9	8.9	9.4
12/22/2023	6.6	9.5	8.9	9.4
12/23/2023	5.3	9.9	8.3	8.7
12/24/2023	5.2	9.9	8.4	8.1
12/25/2023	5.2	9.6	8.4	8.6
12/26/2023	5.1	9.6	7.7	8.6
12/27/2023	5.1	9.6	8.3	8.6
12/28/2023	8.2	9.6	10.0	8.3
12/29/2023	10.3	7.7	10.0	8.7
12/30/2023	10.3	5.0	8.0	8.7
12/31/2023	9.3	6.5	8.0	8.6
Totals:	**189.8**	**287.0**	**259.6**	**279.4**
	476.9		**539.0**	

Griggs/Walnut Treatment Facility
Chlorine and Anti-Scalant Pump Runtimes
December 2023

Date	Anti Scalant		Chlorine	
	Pump 1	Pump 2	Pump 1	Pump 2
12/01/2023	0.0	16.1	0.0	18.3
12/02/2023	0.0	14.7	0.0	16.4
12/03/2023	0.0	14.7	0.0	16.3
12/04/2023	0.0	14.7	0.0	18.5
12/05/2023	0.0	14.7	0.0	24.0
12/06/2023	0.0	14.7	0.0	24.0
12/07/2023	0.0	15.8	0.0	24.0
12/08/2023	0.0	15.8	0.0	24.0
12/09/2023	0.0	14.8	0.0	24.0
12/10/2023	0.0	14.8	0.0	18.4
12/11/2023	0.0	14.8	0.0	16.5
12/12/2023	0.0	14.7	0.0	16.6
12/13/2023	0.0	14.7	0.0	16.6
12/14/2023	0.0	16.2	0.0	18.3
12/15/2023	0.0	16.2	0.0	18.3
12/16/2023	0.0	14.5	0.0	16.7
12/17/2023	0.0	14.5	0.0	16.7
12/18/2023	0.0	14.6	0.0	16.7
12/19/2023	0.0	14.3	0.0	16.7
12/20/2023	0.0	14.6	0.0	16.7
12/21/2023	0.0	16.3	0.0	18.3
12/22/2023	0.0	16.3	0.0	18.3
12/23/2023	0.0	14.6	0.0	16.6
12/24/2023	0.0	14.6	0.0	16.5
12/25/2023	0.0	14.7	0.0	16.5
12/26/2023	0.0	14.7	0.0	16.4
12/27/2023	0.0	14.7	0.0	16.4
12/28/2023	0.0	15.9	0.0	18.3
12/29/2023	0.0	15.9	0.0	18.3
12/30/2023	0.0	14.8	0.0	16.6
12/31/2023	0.0	14.4	0.0	16.6
Totals:	**0.0**	**466.7**	**0.0**	**566.5**
	466.7		**566.5**	

Griggs/Walnut Treatment Facility
Well Runtime Hours
December 2023

	Well 18		Well 27	
Date	**Hours**	**Total Gallons**	**Hours**	**Total Gallons**
12/01/2023	0.0	0	24.0	339,142
12/02/2023	0.0	0	24.0	339,130
12/03/2023	0.0	0	24.0	339,153
12/04/2023	0.0	0	24.0	339,153
12/05/2023	0.0	0	24.0	339,203
12/06/2023	0.0	0	24.0	339,205
12/07/2023	8.0	40,381	24.0	339,215
12/08/2023	0.0	0	24.0	339,215
12/09/2023	0.0	0	24.0	339,217
12/10/2023	0.0	0	24.0	339,233
12/11/2023	0.0	0	24.0	339,233
12/12/2023	0.0	0	24.0	339,234
12/13/2023	0.0	0	24.0	339,232
12/14/2023	8.0	40,314	24.0	339,216
12/15/2023	0.0	0	24.0	339,188
12/16/2023	0.0	0	24.0	339,192
12/17/2023	0.0	0	24.0	339,192
12/18/2023	0.0	0	24.0	339,209
12/19/2023	0.0	0	24.0	339,222
12/20/2023	0.0	0	24.0	339,213
12/21/2023	8.0	40,340	24.0	339,192
12/22/2023	0.0	0	24.0	339,063
12/23/2023	0.0	0	24.0	339,048
12/24/2023	0.0	0	24.0	339,067
12/25/2023	0.0	0	24.0	339,067
12/26/2023	0.0	0	24.0	339,148
12/27/2023	0.0	0	24.0	339,148
12/28/2023	8.0	40,420	24.0	339,190
12/29/2023	0.0	0	24.0	339,206
12/30/2023	0.0	0	24.0	339,224
12/31/2023	0.0	0	24.0	339,219
Totals:	**32.0**	**161,454**	**744.0**	**10,514,567**

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/01/2023 12:00 AM	0.0	199.6	283.6	224.8
12/01/2023 01:00 AM	0.0	199.6	283.5	224.8
12/01/2023 02:00 AM	0.0	199.6	283.5	224.8
12/01/2023 03:00 AM	0.0	199.6	283.5	224.8
12/01/2023 04:00 AM	0.0	199.5	283.5	224.8
12/01/2023 05:00 AM	0.0	199.5	283.5	224.8
12/01/2023 06:00 AM	0.0	199.5	283.5	224.8
12/01/2023 07:00 AM	0.0	199.5	283.5	224.8
12/01/2023 08:00 AM	0.0	199.5	283.5	224.8
12/01/2023 09:00 AM	0.0	199.5	283.5	224.8
12/01/2023 10:00 AM	0.0	199.5	283.5	224.8
12/01/2023 11:00 AM	0.0	199.5	283.4	224.8
12/01/2023 12:00 PM	0.0	199.5	283.4	224.8
12/01/2023 01:00 PM	0.0	199.5	283.4	224.8
12/01/2023 02:00 PM	0.0	199.4	283.4	224.8
12/01/2023 03:00 PM	0.0	199.4	283.4	224.8
12/01/2023 04:00 PM	0.0	199.4	283.4	224.8
12/01/2023 05:00 PM	0.0	199.4	283.4	224.8
12/01/2023 06:00 PM	0.0	199.4	283.4	224.8
12/01/2023 07:00 PM	0.0	199.4	283.4	224.8
12/01/2023 08:00 PM	0.0	199.4	283.4	224.8
12/01/2023 09:00 PM	0.0	199.5	283.4	224.8
12/01/2023 10:00 PM	0.0	199.5	283.5	224.8
12/01/2023 11:00 PM	0.0	199.5	283.5	224.8
12/02/2023 12:00 AM	0.0	199.5	283.5	224.8
12/02/2023 01:00 AM	0.0	199.5	283.5	224.8
12/02/2023 02:00 AM	0.0	199.5	283.5	224.8
12/02/2023 03:00 AM	0.0	199.5	283.5	224.8
12/02/2023 04:00 AM	0.0	199.5	283.5	224.8
12/02/2023 05:00 AM	0.0	199.5	283.5	224.8
12/02/2023 06:00 AM	0.0	199.5	283.5	224.8
12/02/2023 07:00 AM	0.0	199.5	283.5	224.8
12/02/2023 08:00 AM	0.0	199.5	283.5	224.8
12/02/2023 09:00 AM	0.0	199.5	283.5	224.8
12/02/2023 10:00 AM	0.0	199.5	283.6	224.8
12/02/2023 11:00 AM	0.0	199.5	283.6	224.8
12/02/2023 12:00 PM	0.0	199.5	283.5	224.8
12/02/2023 01:00 PM	0.0	199.5	283.6	224.8
12/02/2023 02:00 PM	0.0	199.5	283.6	224.8
12/02/2023 03:00 PM	0.0	199.5	283.5	224.8
12/02/2023 04:00 PM	0.0	199.5	283.6	224.8
12/02/2023 05:00 PM	0.0	199.5	283.6	224.8
12/02/2023 06:00 PM	0.0	199.5	283.6	224.8
12/02/2023 07:00 PM	0.0	199.5	283.6	224.8
12/02/2023 08:00 PM	0.0	199.5	283.6	224.8
12/02/2023 09:00 PM	0.0	199.5	283.6	224.8
12/02/2023 10:00 PM	0.0	199.5	283.6	224.8
12/02/2023 11:00 PM	0.0	199.5	283.6	224.8
12/03/2023 12:00 AM	0.0	199.6	283.6	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/03/2023 01:00 AM	0.0	199.6	283.6	224.8
12/03/2023 02:00 AM	0.0	199.6	283.6	224.8
12/03/2023 03:00 AM	0.0	199.6	283.6	224.8
12/03/2023 04:00 AM	0.0	199.6	283.7	224.8
12/03/2023 05:00 AM	0.0	199.6	283.7	224.8
12/03/2023 06:00 AM	0.0	199.6	283.7	224.8
12/03/2023 07:00 AM	0.0	199.6	283.7	224.8
12/03/2023 08:00 AM	0.0	199.6	283.6	224.8
12/03/2023 09:00 AM	0.0	199.6	283.7	224.8
12/03/2023 10:00 AM	0.0	199.6	283.7	224.8
12/03/2023 11:00 AM	0.0	199.6	283.6	224.8
12/03/2023 12:00 PM	0.0	199.6	283.6	224.8
12/03/2023 01:00 PM	0.0	199.5	283.6	224.8
12/03/2023 02:00 PM	0.0	199.5	283.6	224.8
12/03/2023 03:00 PM	0.0	199.5	283.6	224.8
12/03/2023 04:00 PM	0.0	199.5	283.6	224.8
12/03/2023 05:00 PM	0.0	199.5	283.6	224.8
12/03/2023 06:00 PM	0.0	199.6	283.7	224.8
12/03/2023 07:00 PM	0.0	199.6	283.7	224.8
12/03/2023 08:00 PM	0.0	199.6	283.6	224.8
12/03/2023 09:00 PM	0.0	199.6	283.6	224.8
12/03/2023 10:00 PM	0.0	199.6	283.7	224.8
12/03/2023 11:00 PM	0.0	199.6	283.7	224.8
12/04/2023 12:00 AM	0.0	199.6	283.7	224.8
12/04/2023 01:00 AM	0.0	199.6	283.7	224.8
12/04/2023 02:00 AM	0.0	199.6	283.7	224.8
12/04/2023 03:00 AM	0.0	199.6	283.7	224.8
12/04/2023 04:00 AM	0.0	199.6	283.7	224.8
12/04/2023 05:00 AM	0.0	199.6	283.7	224.8
12/04/2023 06:00 AM	0.0	199.6	283.7	224.8
12/04/2023 07:00 AM	0.0	199.6	283.7	224.8
12/04/2023 08:00 AM	0.0	199.6	283.7	224.8
12/04/2023 09:00 AM	0.0	199.6	283.7	224.8
12/04/2023 10:00 AM	0.0	199.6	283.7	224.8
12/04/2023 11:00 AM	0.0	199.6	283.7	224.8
12/04/2023 12:00 PM	0.0	199.6	283.7	224.8
12/04/2023 01:00 PM	0.0	199.5	283.7	224.8
12/04/2023 02:00 PM	0.0	199.5	283.7	224.8
12/04/2023 03:00 PM	0.0	199.5	283.7	224.8
12/04/2023 04:00 PM	0.0	199.5	283.7	224.8
12/04/2023 05:00 PM	0.0	199.5	283.7	224.8
12/04/2023 06:00 PM	0.0	199.5	283.7	224.8
12/04/2023 07:00 PM	0.0	199.5	283.7	224.8
12/04/2023 08:00 PM	0.0	199.5	283.7	224.8
12/04/2023 09:00 PM	0.0	199.5	283.7	224.8
12/04/2023 10:00 PM	0.0	199.6	283.7	224.8
12/04/2023 11:00 PM	0.0	199.6	283.7	224.8
12/05/2023 12:00 AM	0.0	199.6	283.7	224.8
12/05/2023 01:00 AM	0.0	199.6	283.7	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/05/2023 02:00 AM	0.0	199.6	283.7	224.8
12/05/2023 03:00 AM	0.0	199.6	283.8	224.8
12/05/2023 04:00 AM	0.0	199.6	283.7	224.8
12/05/2023 05:00 AM	0.0	199.6	283.8	224.8
12/05/2023 06:00 AM	0.0	199.6	283.7	224.8
12/05/2023 07:00 AM	0.0	199.6	283.8	224.8
12/05/2023 08:00 AM	0.0	199.6	283.8	224.8
12/05/2023 09:00 AM	0.0	199.6	283.8	224.8
12/05/2023 10:00 AM	0.0	199.6	283.8	224.8
12/05/2023 11:00 AM	0.0	199.6	283.8	224.8
12/05/2023 12:00 PM	0.0	199.6	283.8	224.8
12/05/2023 01:00 PM	0.0	199.6	283.8	224.8
12/05/2023 02:00 PM	0.0	199.5	283.8	224.8
12/05/2023 03:00 PM	0.0	199.5	283.8	224.8
12/05/2023 04:00 PM	0.0	199.6	283.8	224.8
12/05/2023 05:00 PM	0.0	199.6	283.8	224.8
12/05/2023 06:00 PM	0.0	199.6	283.8	224.8
12/05/2023 07:00 PM	0.0	199.6	283.8	224.8
12/05/2023 08:00 PM	0.0	199.6	283.8	224.8
12/05/2023 09:00 PM	0.0	199.6	283.8	224.8
12/05/2023 10:00 PM	0.0	199.6	283.8	224.8
12/05/2023 11:00 PM	0.0	199.6	283.8	224.8
12/06/2023 12:00 AM	0.0	199.6	283.8	224.8
12/06/2023 01:00 AM	0.0	199.6	283.8	224.8
12/06/2023 02:00 AM	0.0	199.6	283.8	224.8
12/06/2023 03:00 AM	0.0	199.6	283.8	224.8
12/06/2023 04:00 AM	0.0	199.6	283.8	224.8
12/06/2023 05:00 AM	0.0	199.6	283.8	224.8
12/06/2023 06:00 AM	0.0	199.6	283.8	224.8
12/06/2023 07:00 AM	0.0	199.6	283.8	224.8
12/06/2023 08:00 AM	0.0	199.6	283.8	224.8
12/06/2023 09:00 AM	0.0	199.6	283.8	224.8
12/06/2023 10:00 AM	0.0	199.6	283.8	224.8
12/06/2023 11:00 AM	0.0	199.5	283.8	224.8
12/06/2023 12:00 PM	0.0	199.5	283.7	224.8
12/06/2023 01:00 PM	0.0	199.5	283.7	224.8
12/06/2023 02:00 PM	0.0	199.5	283.7	224.8
12/06/2023 03:00 PM	0.0	199.5	283.8	224.8
12/06/2023 04:00 PM	0.0	199.5	283.7	224.8
12/06/2023 05:00 PM	0.0	199.5	283.7	224.8
12/06/2023 06:00 PM	0.0	199.5	283.7	224.8
12/06/2023 07:00 PM	0.0	199.5	283.7	224.8
12/06/2023 08:00 PM	0.0	199.5	283.7	224.8
12/06/2023 09:00 PM	0.0	199.5	283.7	224.8
12/06/2023 10:00 PM	0.0	199.4	283.7	224.8
12/06/2023 11:00 PM	0.0	199.4	283.7	224.8
12/07/2023 12:00 AM	0.0	199.4	283.6	224.8
12/07/2023 01:00 AM	0.0	199.4	283.7	224.8
12/07/2023 02:00 AM	0.0	199.4	283.6	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/07/2023 03:00 AM	0.0	199.4	283.6	224.8
12/07/2023 04:00 AM	0.0	199.4	283.6	224.8
12/07/2023 05:00 AM	0.0	199.4	283.6	224.8
12/07/2023 06:00 AM	0.0	199.4	283.6	224.8
12/07/2023 07:00 AM	0.0	199.4	283.6	224.8
12/07/2023 08:00 AM	196.4	199.4	283.6	224.8
12/07/2023 09:00 AM	207.3	199.4	283.7	224.8
12/07/2023 10:00 AM	207.4	199.4	283.8	224.8
12/07/2023 11:00 AM	207.5	199.4	283.9	224.8
12/07/2023 12:00 PM	207.6	199.4	283.9	224.8
12/07/2023 01:00 PM	207.6	199.4	284.0	224.8
12/07/2023 02:00 PM	207.6	199.4	284.0	224.8
12/07/2023 03:00 PM	207.6	199.4	284.0	224.8
12/07/2023 04:00 PM	10.4	200.3	284.0	224.8
12/07/2023 05:00 PM	0.0	199.9	283.9	224.8
12/07/2023 06:00 PM	0.0	199.7	283.8	224.8
12/07/2023 07:00 PM	0.0	199.7	283.8	224.8
12/07/2023 08:00 PM	0.0	199.6	283.8	224.8
12/07/2023 09:00 PM	0.0	199.6	283.7	224.8
12/07/2023 10:00 PM	0.0	199.5	283.7	224.8
12/07/2023 11:00 PM	0.0	199.5	283.6	224.8
12/08/2023 12:00 AM	0.0	199.5	283.6	224.8
12/08/2023 01:00 AM	0.0	199.4	283.6	224.8
12/08/2023 02:00 AM	0.0	199.4	283.5	224.8
12/08/2023 03:00 AM	0.0	199.4	283.6	224.8
12/08/2023 04:00 AM	0.0	199.4	283.5	224.8
12/08/2023 05:00 AM	0.0	199.4	283.5	224.8
12/08/2023 06:00 AM	0.0	199.4	283.5	224.8
12/08/2023 07:00 AM	0.0	199.4	283.5	224.8
12/08/2023 08:00 AM	0.0	199.4	283.5	224.8
12/08/2023 09:00 AM	0.0	199.4	283.5	224.8
12/08/2023 10:00 AM	0.0	199.3	283.5	224.8
12/08/2023 11:00 AM	0.0	199.3	283.5	224.8
12/08/2023 12:00 PM	0.0	199.3	283.5	224.8
12/08/2023 01:00 PM	0.0	199.3	283.5	224.8
12/08/2023 02:00 PM	0.0	199.2	283.5	224.8
12/08/2023 03:00 PM	0.0	199.2	283.4	224.8
12/08/2023 04:00 PM	0.0	199.3	283.5	224.8
12/08/2023 05:00 PM	0.0	199.3	283.5	224.8
12/08/2023 06:00 PM	0.0	199.3	283.5	224.8
12/08/2023 07:00 PM	0.0	199.3	283.5	224.8
12/08/2023 08:00 PM	0.0	199.3	283.5	224.8
12/08/2023 09:00 PM	0.0	199.3	283.5	224.8
12/08/2023 10:00 PM	0.0	199.3	283.5	224.8
12/08/2023 11:00 PM	0.0	199.3	283.5	224.8
12/09/2023 12:00 AM	0.0	199.3	283.5	224.8
12/09/2023 01:00 AM	0.0	199.3	283.5	224.8
12/09/2023 02:00 AM	0.0	199.3	283.5	224.8
12/09/2023 03:00 AM	0.0	199.3	283.5	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/09/2023 04:00 AM	0.0	199.3	283.5	224.8
12/09/2023 05:00 AM	0.0	199.3	283.5	224.8
12/09/2023 06:00 AM	0.0	199.3	283.5	224.8
12/09/2023 07:00 AM	0.0	199.3	283.6	224.8
12/09/2023 08:00 AM	0.0	199.3	283.6	224.8
12/09/2023 09:00 AM	0.0	199.4	283.6	224.8
12/09/2023 10:00 AM	0.0	199.4	283.6	224.8
12/09/2023 11:00 AM	0.0	199.4	283.6	224.8
12/09/2023 12:00 PM	0.0	199.3	283.6	224.8
12/09/2023 01:00 PM	0.0	199.3	283.6	224.8
12/09/2023 02:00 PM	0.0	199.3	283.6	224.8
12/09/2023 03:00 PM	0.0	199.4	283.7	224.8
12/09/2023 04:00 PM	0.0	199.4	283.7	224.8
12/09/2023 05:00 PM	0.0	199.4	283.7	224.8
12/09/2023 06:00 PM	0.0	199.4	283.7	224.8
12/09/2023 07:00 PM	0.0	199.4	283.7	224.8
12/09/2023 08:00 PM	0.0	199.5	283.8	224.8
12/09/2023 09:00 PM	0.0	199.5	283.8	224.8
12/09/2023 10:00 PM	0.0	199.5	283.8	224.8
12/09/2023 11:00 PM	0.0	199.5	283.8	224.8
12/10/2023 12:00 AM	0.0	199.5	283.8	224.8
12/10/2023 01:00 AM	0.0	199.5	283.8	224.8
12/10/2023 02:00 AM	0.0	199.5	283.8	224.8
12/10/2023 03:00 AM	0.0	199.4	283.8	224.8
12/10/2023 04:00 AM	0.0	199.4	283.8	224.8
12/10/2023 05:00 AM	0.0	199.4	283.8	224.8
12/10/2023 06:00 AM	0.0	199.4	283.8	224.8
12/10/2023 07:00 AM	0.0	199.4	283.8	224.8
12/10/2023 08:00 AM	0.0	199.5	283.8	224.8
12/10/2023 09:00 AM	0.0	199.5	283.8	224.8
12/10/2023 10:00 AM	0.0	199.5	283.8	224.8
12/10/2023 11:00 AM	0.0	199.4	283.8	224.8
12/10/2023 12:00 PM	0.0	199.4	283.8	224.8
12/10/2023 01:00 PM	0.0	199.4	283.8	224.8
12/10/2023 02:00 PM	0.0	199.4	283.7	224.8
12/10/2023 03:00 PM	0.0	199.3	283.7	224.8
12/10/2023 04:00 PM	0.0	199.3	283.7	224.8
12/10/2023 05:00 PM	0.0	199.3	283.6	224.8
12/10/2023 06:00 PM	0.0	199.3	283.7	224.8
12/10/2023 07:00 PM	0.0	199.3	283.7	224.8
12/10/2023 08:00 PM	0.0	199.3	283.7	224.8
12/10/2023 09:00 PM	0.0	199.3	283.7	224.8
12/10/2023 10:00 PM	0.0	199.3	283.7	224.8
12/10/2023 11:00 PM	0.0	199.3	283.7	224.8
12/11/2023 12:00 AM	0.0	199.3	283.7	224.8
12/11/2023 01:00 AM	0.0	199.3	283.6	224.8
12/11/2023 02:00 AM	0.0	199.3	283.6	224.8
12/11/2023 03:00 AM	0.0	199.3	283.6	224.8
12/11/2023 04:00 AM	0.0	199.2	283.6	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/11/2023 05:00 AM	0.0	199.2	283.6	224.8
12/11/2023 06:00 AM	0.0	199.2	283.6	224.8
12/11/2023 07:00 AM	0.0	199.2	283.6	224.8
12/11/2023 08:00 AM	0.0	199.2	283.6	224.8
12/11/2023 09:00 AM	0.0	199.2	283.6	224.8
12/11/2023 10:00 AM	0.0	199.3	283.6	224.8
12/11/2023 11:00 AM	0.0	199.2	283.6	224.8
12/11/2023 12:00 PM	0.0	199.2	283.5	224.8
12/11/2023 01:00 PM	0.0	199.2	283.5	224.8
12/11/2023 02:00 PM	0.0	199.2	283.5	224.8
12/11/2023 03:00 PM	0.0	199.1	283.5	224.8
12/11/2023 04:00 PM	0.0	199.1	283.5	224.8
12/11/2023 05:00 PM	0.0	199.1	283.5	224.8
12/11/2023 06:00 PM	0.0	199.1	283.5	224.8
12/11/2023 07:00 PM	0.0	199.2	283.5	224.8
12/11/2023 08:00 PM	0.0	199.2	283.5	224.8
12/11/2023 09:00 PM	0.0	199.2	283.5	224.8
12/11/2023 10:00 PM	0.0	199.2	283.6	224.8
12/11/2023 11:00 PM	0.0	199.2	283.5	224.8
12/12/2023 12:00 AM	0.0	199.2	283.5	224.8
12/12/2023 01:00 AM	0.0	199.2	283.5	224.8
12/12/2023 02:00 AM	0.0	199.2	283.5	224.8
12/12/2023 03:00 AM	0.0	199.1	283.5	224.8
12/12/2023 04:00 AM	0.0	199.1	283.4	224.8
12/12/2023 05:00 AM	0.0	199.1	283.4	224.8
12/12/2023 06:00 AM	0.0	199.1	283.4	224.8
12/12/2023 07:00 AM	0.0	199.1	283.4	224.8
12/12/2023 08:00 AM	0.0	199.1	283.5	224.8
12/12/2023 09:00 AM	0.0	199.1	283.5	224.8
12/12/2023 10:00 AM	0.0	199.1	283.5	224.8
12/12/2023 11:00 AM	0.0	199.1	283.5	224.8
12/12/2023 12:00 PM	0.0	199.1	283.5	224.8
12/12/2023 01:00 PM	0.0	199.1	283.5	224.8
12/12/2023 02:00 PM	0.0	199.1	283.4	224.8
12/12/2023 03:00 PM	0.0	199.1	283.5	224.8
12/12/2023 04:00 PM	0.0	199.1	283.4	224.8
12/12/2023 05:00 PM	0.0	199.1	283.4	224.8
12/12/2023 06:00 PM	0.0	199.1	283.5	224.8
12/12/2023 07:00 PM	0.0	199.1	283.5	224.8
12/12/2023 08:00 PM	0.0	199.1	283.5	224.8
12/12/2023 09:00 PM	0.0	199.1	283.5	224.8
12/12/2023 10:00 PM	0.0	199.1	283.5	224.8
12/12/2023 11:00 PM	0.0	199.1	283.5	224.8
12/13/2023 12:00 AM	0.0	199.1	283.5	224.8
12/13/2023 01:00 AM	0.0	199.1	283.5	224.8
12/13/2023 02:00 AM	0.0	199.1	283.5	224.8
12/13/2023 03:00 AM	0.0	199.1	283.5	224.8
12/13/2023 04:00 AM	0.0	199.1	283.5	224.8
12/13/2023 05:00 AM	0.0	199.1	283.4	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/13/2023 06:00 AM	0.0	199.1	283.5	224.8
12/13/2023 07:00 AM	0.0	199.1	283.5	224.8
12/13/2023 08:00 AM	0.0	199.1	283.5	224.8
12/13/2023 09:00 AM	0.0	199.1	283.5	224.8
12/13/2023 10:00 AM	0.0	199.1	283.5	224.8
12/13/2023 11:00 AM	0.0	199.1	283.5	224.8
12/13/2023 12:00 PM	0.0	199.1	283.5	224.8
12/13/2023 01:00 PM	0.0	199.1	283.5	224.8
12/13/2023 02:00 PM	0.0	199.1	283.5	224.8
12/13/2023 03:00 PM	0.0	199.0	283.5	224.8
12/13/2023 04:00 PM	0.0	199.0	283.4	224.8
12/13/2023 05:00 PM	0.0	199.0	283.4	224.8
12/13/2023 06:00 PM	0.0	199.0	283.4	224.8
12/13/2023 07:00 PM	0.0	199.0	283.4	224.8
12/13/2023 08:00 PM	0.0	199.1	283.4	224.8
12/13/2023 09:00 PM	0.0	199.1	283.5	224.8
12/13/2023 10:00 PM	0.0	199.1	283.5	224.8
12/13/2023 11:00 PM	0.0	199.1	283.5	224.8
12/14/2023 12:00 AM	0.0	199.1	283.5	224.8
12/14/2023 01:00 AM	0.0	199.1	283.5	224.8
12/14/2023 02:00 AM	0.0	199.1	283.5	224.8
12/14/2023 03:00 AM	0.0	199.1	283.5	224.8
12/14/2023 04:00 AM	0.0	199.1	283.4	224.8
12/14/2023 05:00 AM	0.0	199.1	283.4	224.8
12/14/2023 06:00 AM	0.0	199.0	283.4	224.8
12/14/2023 07:00 AM	0.0	199.1	283.4	224.8
12/14/2023 08:00 AM	196.1	199.0	283.5	224.8
12/14/2023 09:00 AM	207.0	199.0	283.6	224.8
12/14/2023 10:00 AM	207.1	199.0	283.7	224.8
12/14/2023 11:00 AM	207.2	199.0	283.8	224.8
12/14/2023 12:00 PM	207.3	199.0	283.8	224.8
12/14/2023 01:00 PM	207.4	199.0	283.9	224.8
12/14/2023 02:00 PM	207.4	199.0	283.9	224.8
12/14/2023 03:00 PM	207.4	199.0	284.0	224.8
12/14/2023 04:00 PM	10.4	200.1	284.0	224.8
12/14/2023 05:00 PM	0.0	199.7	283.9	224.8
12/14/2023 06:00 PM	0.0	199.5	283.8	224.8
12/14/2023 07:00 PM	0.0	199.5	283.8	224.8
12/14/2023 08:00 PM	0.0	199.4	283.8	224.8
12/14/2023 09:00 PM	0.0	199.4	283.7	224.8
12/14/2023 10:00 PM	0.0	199.4	283.7	224.8
12/14/2023 11:00 PM	0.0	199.4	283.8	224.8
12/15/2023 12:00 AM	0.0	199.4	283.7	224.8
12/15/2023 01:00 AM	0.0	199.4	283.7	224.8
12/15/2023 02:00 AM	0.0	199.4	283.7	224.8
12/15/2023 03:00 AM	0.0	199.3	283.7	224.8
12/15/2023 04:00 AM	0.0	199.3	283.6	224.8
12/15/2023 05:00 AM	0.0	199.3	283.6	224.8
12/15/2023 06:00 AM	0.0	199.3	283.6	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/15/2023 07:00 AM	0.0	199.3	283.6	224.8
12/15/2023 08:00 AM	0.0	199.3	283.6	224.8
12/15/2023 09:00 AM	0.0	199.3	283.6	224.8
12/15/2023 10:00 AM	0.0	199.3	283.6	224.8
12/15/2023 11:00 AM	0.0	199.3	283.6	224.8
12/15/2023 12:00 PM	0.0	199.3	283.7	224.8
12/15/2023 01:00 PM	0.0	199.3	283.7	224.8
12/15/2023 02:00 PM	0.0	199.3	283.7	224.8
12/15/2023 03:00 PM	0.0	199.2	283.7	224.8
12/15/2023 04:00 PM	0.0	199.2	283.7	224.8
12/15/2023 05:00 PM	0.0	199.2	283.7	224.8
12/15/2023 06:00 PM	0.0	199.2	283.7	224.8
12/15/2023 07:00 PM	0.0	199.2	283.7	224.8
12/15/2023 08:00 PM	0.0	199.3	283.7	224.8
12/15/2023 09:00 PM	0.0	199.3	283.7	224.8
12/15/2023 10:00 PM	0.0	199.3	283.7	224.8
12/15/2023 11:00 PM	0.0	199.3	283.7	224.8
12/16/2023 12:00 AM	0.0	199.3	283.7	224.8
12/16/2023 01:00 AM	0.0	199.3	283.7	224.8
12/16/2023 02:00 AM	0.0	199.3	283.7	224.8
12/16/2023 03:00 AM	0.0	199.3	283.7	224.8
12/16/2023 04:00 AM	0.0	199.3	283.7	224.8
12/16/2023 05:00 AM	0.0	199.3	283.7	224.8
12/16/2023 06:00 AM	0.0	199.2	283.6	224.8
12/16/2023 07:00 AM	0.0	199.2	283.6	224.8
12/16/2023 08:00 AM	0.0	199.2	283.6	224.8
12/16/2023 09:00 AM	0.0	199.2	283.6	224.8
12/16/2023 10:00 AM	0.0	199.2	283.6	224.8
12/16/2023 11:00 AM	0.0	199.2	283.6	224.8
12/16/2023 12:00 PM	0.0	199.2	283.6	224.8
12/16/2023 01:00 PM	0.0	199.2	283.6	224.8
12/16/2023 02:00 PM	0.0	199.2	283.6	224.8
12/16/2023 03:00 PM	0.0	199.1	283.6	224.8
12/16/2023 04:00 PM	0.0	199.1	283.6	224.8
12/16/2023 05:00 PM	0.0	199.1	283.6	224.8
12/16/2023 06:00 PM	0.0	199.1	283.6	224.8
12/16/2023 07:00 PM	0.0	199.1	283.6	224.8
12/16/2023 08:00 PM	0.0	199.1	283.6	224.8
12/16/2023 09:00 PM	0.0	199.1	283.6	224.8
12/16/2023 10:00 PM	0.0	199.1	283.6	224.8
12/16/2023 11:00 PM	0.0	199.1	283.6	224.8
12/17/2023 12:00 AM	0.0	199.1	283.6	224.8
12/17/2023 01:00 AM	0.0	199.1	283.6	224.8
12/17/2023 02:00 AM	0.0	199.1	283.6	224.8
12/17/2023 03:00 AM	0.0	199.1	283.6	224.8
12/17/2023 04:00 AM	0.0	199.1	283.6	224.8
12/17/2023 05:00 AM	0.0	199.1	283.5	224.8
12/17/2023 06:00 AM	0.0	199.1	283.5	224.8
12/17/2023 07:00 AM	0.0	199.1	283.5	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/17/2023 08:00 AM	0.0	199.0	283.5	224.8
12/17/2023 09:00 AM	0.0	199.0	283.5	224.8
12/17/2023 10:00 AM	0.0	199.0	283.5	224.8
12/17/2023 11:00 AM	0.0	199.0	283.5	224.8
12/17/2023 12:00 PM	0.0	199.0	283.5	224.8
12/17/2023 01:00 PM	0.0	199.0	283.5	224.8
12/17/2023 02:00 PM	0.0	199.0	283.5	224.8
12/17/2023 03:00 PM	0.0	199.0	283.5	224.8
12/17/2023 04:00 PM	0.0	199.0	283.5	224.8
12/17/2023 05:00 PM	0.0	199.0	283.5	224.8
12/17/2023 06:00 PM	0.0	199.0	283.5	224.8
12/17/2023 07:00 PM	0.0	199.0	283.5	224.8
12/17/2023 08:00 PM	0.0	199.0	283.4	224.8
12/17/2023 09:00 PM	0.0	199.0	283.5	224.8
12/17/2023 10:00 PM	0.0	199.0	283.5	224.8
12/17/2023 11:00 PM	0.0	199.0	283.5	224.8
12/18/2023 12:00 AM	0.0	199.0	283.5	224.8
12/18/2023 01:00 AM	0.0	199.0	283.5	224.8
12/18/2023 02:00 AM	0.0	199.0	283.5	224.8
12/18/2023 03:00 AM	0.0	199.0	283.5	224.8
12/18/2023 04:00 AM	0.0	199.0	283.5	224.8
12/18/2023 05:00 AM	0.0	199.0	283.5	224.8
12/18/2023 06:00 AM	0.0	199.0	283.5	224.8
12/18/2023 07:00 AM	0.0	199.0	283.5	224.8
12/18/2023 08:00 AM	0.0	199.0	283.5	224.8
12/18/2023 09:00 AM	0.0	198.9	283.5	224.8
12/18/2023 10:00 AM	0.0	198.9	283.5	224.8
12/18/2023 11:00 AM	0.0	198.9	283.5	224.8
12/18/2023 12:00 PM	0.0	198.9	283.5	224.8
12/18/2023 01:00 PM	0.0	198.9	283.5	224.8
12/18/2023 02:00 PM	0.0	198.9	283.5	224.8
12/18/2023 03:00 PM	0.0	198.9	283.5	224.8
12/18/2023 04:00 PM	0.0	198.9	283.4	224.8
12/18/2023 05:00 PM	0.0	198.9	283.4	224.8
12/18/2023 06:00 PM	0.0	198.9	283.5	224.8
12/18/2023 07:00 PM	0.0	198.9	283.4	224.8
12/18/2023 08:00 PM	0.0	198.8	283.4	224.8
12/18/2023 09:00 PM	0.0	198.8	283.4	224.8
12/18/2023 10:00 PM	0.0	198.8	283.4	224.8
12/18/2023 11:00 PM	0.0	198.8	283.4	224.8
12/19/2023 12:00 AM	0.0	198.8	283.4	224.8
12/19/2023 01:00 AM	0.0	198.8	283.4	224.8
12/19/2023 02:00 AM	0.0	198.8	283.4	224.8
12/19/2023 03:00 AM	0.0	198.8	283.4	224.8
12/19/2023 04:00 AM	0.0	198.8	283.4	224.8
12/19/2023 05:00 AM	0.0	198.8	283.3	224.8
12/19/2023 06:00 AM				
12/19/2023 07:00 AM	0.0	198.8	283.3	224.8
12/19/2023 08:00 AM	0.0	198.8	283.4	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/19/2023 09:00 AM	0.0	198.8	283.4	224.8
12/19/2023 10:00 AM	0.0	198.8	283.4	224.8
12/19/2023 11:00 AM	0.0	198.8	283.3	224.8
12/19/2023 12:00 PM	0.0	198.8	283.3	224.8
12/19/2023 01:00 PM	0.0	198.8	283.3	224.8
12/19/2023 02:00 PM	0.0	198.8	283.3	224.8
12/19/2023 03:00 PM	0.0	198.8	283.3	224.8
12/19/2023 04:00 PM	0.0	198.8	283.3	224.8
12/19/2023 05:00 PM	0.0	198.8	283.3	224.8
12/19/2023 06:00 PM	0.0	198.8	283.4	224.8
12/19/2023 07:00 PM	0.0	198.8	283.4	224.8
12/19/2023 08:00 PM	0.0	198.8	283.4	224.8
12/19/2023 09:00 PM	0.0	198.8	283.4	224.8
12/19/2023 10:00 PM	0.0	198.8	283.4	224.8
12/19/2023 11:00 PM	0.0	198.8	283.4	224.8
12/20/2023 12:00 AM	0.0	198.8	283.4	224.8
12/20/2023 01:00 AM	0.0	198.8	283.4	224.8
12/20/2023 02:00 AM	0.0	198.8	283.4	224.8
12/20/2023 03:00 AM	0.0	198.8	283.4	224.8
12/20/2023 04:00 AM	0.0	198.8	283.4	224.8
12/20/2023 05:00 AM	0.0	198.8	283.4	224.8
12/20/2023 06:00 AM	0.0	198.8	283.4	224.8
12/20/2023 07:00 AM	0.0	198.8	283.4	224.8
12/20/2023 08:00 AM	0.0	198.8	283.4	224.8
12/20/2023 09:00 AM	0.0	198.8	283.4	224.8
12/20/2023 10:00 AM	0.0	198.8	283.4	224.8
12/20/2023 11:00 AM	0.0	198.8	283.4	224.8
12/20/2023 12:00 PM	0.0	198.8	283.4	224.8
12/20/2023 01:00 PM	0.0	198.8	283.4	224.8
12/20/2023 02:00 PM	0.0	198.8	283.4	224.8
12/20/2023 03:00 PM	0.0	198.8	283.4	224.8
12/20/2023 04:00 PM	0.0	198.8	283.5	224.8
12/20/2023 05:00 PM	0.0	198.9	283.4	224.8
12/20/2023 06:00 PM	0.0	198.9	283.4	224.8
12/20/2023 07:00 PM	0.0	198.9	283.5	224.8
12/20/2023 08:00 PM	0.0	198.9	283.5	224.8
12/20/2023 09:00 PM	0.0	198.9	283.5	224.8
12/20/2023 10:00 PM	0.0	198.9	283.4	224.8
12/20/2023 11:00 PM	0.0	198.9	283.5	224.8
12/21/2023 12:00 AM	0.0	198.9	283.5	224.8
12/21/2023 01:00 AM	0.0	198.9	283.5	224.8
12/21/2023 02:00 AM	0.0	198.9	283.5	224.8
12/21/2023 03:00 AM	0.0	198.9	283.5	224.8
12/21/2023 04:00 AM	0.0	199.0	283.5	224.8
12/21/2023 05:00 AM	0.0	199.0	283.5	224.8
12/21/2023 06:00 AM	0.0	199.0	283.6	224.8
12/21/2023 07:00 AM	0.0	199.0	283.6	224.8
12/21/2023 08:00 AM	196.1	199.0	283.7	224.8
12/21/2023 09:00 AM	207.0	199.0	283.8	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/21/2023 10:00 AM	207.1	199.0	283.9	224.8
12/21/2023 11:00 AM	207.3	199.0	283.9	224.8
12/21/2023 12:00 PM	207.3	199.0	284.0	224.8
12/21/2023 01:00 PM	207.4	199.0	284.0	224.8
12/21/2023 02:00 PM	207.4	199.0	284.1	224.8
12/21/2023 03:00 PM	207.5	199.0	284.1	224.8
12/21/2023 04:00 PM	10.4	200.2	284.2	224.8
12/21/2023 05:00 PM	0.0	199.8	284.1	224.8
12/21/2023 06:00 PM	0.0	199.7	284.0	224.8
12/21/2023 07:00 PM	0.0	199.6	284.0	224.8
12/21/2023 08:00 PM	0.0	199.6	284.0	224.8
12/21/2023 09:00 PM	0.0	199.6	284.0	224.8
12/21/2023 10:00 PM	0.0	199.6	284.0	224.8
12/21/2023 11:00 PM	0.0	199.5	283.9	224.8
12/22/2023 12:00 AM	0.0	199.5	283.9	224.8
12/22/2023 01:00 AM	0.0	199.5	283.9	224.8
12/22/2023 02:00 AM	0.0	199.5	283.9	224.8
12/22/2023 03:00 AM	0.0	199.5	283.9	224.8
12/22/2023 04:00 AM	0.0	199.5	283.9	224.8
12/22/2023 05:00 AM	0.0	199.5	283.9	224.8
12/22/2023 06:00 AM	0.0	199.5	283.9	224.8
12/22/2023 07:00 AM	0.0	199.5	283.9	224.8
12/22/2023 08:00 AM	0.0	199.5	283.9	224.8
12/22/2023 09:00 AM	0.0	199.5	283.8	224.8
12/22/2023 10:00 AM	0.0	199.5	283.8	224.8
12/22/2023 11:00 AM	0.0	199.5	283.8	224.8
12/22/2023 12:00 PM	0.0	199.4	283.8	224.8
12/22/2023 01:00 PM	0.0	199.4	283.8	224.8
12/22/2023 02:00 PM	0.0	199.4	283.8	224.8
12/22/2023 03:00 PM	0.0	199.4	283.8	224.8
12/22/2023 04:00 PM	0.0	199.4	283.8	224.8
12/22/2023 05:00 PM	0.0	199.4	283.8	224.8
12/22/2023 06:00 PM	0.0	199.4	283.8	224.8
12/22/2023 07:00 PM	0.0	199.4	283.7	224.8
12/22/2023 08:00 PM	0.0	199.3	283.7	224.8
12/22/2023 09:00 PM	0.0	199.3	283.7	224.8
12/22/2023 10:00 PM	0.0	199.3	283.7	224.8
12/22/2023 11:00 PM	0.0	199.3	283.7	224.8
12/23/2023 12:00 AM	0.0	199.3	283.6	224.8
12/23/2023 01:00 AM	0.0	199.2	283.6	224.8
12/23/2023 02:00 AM	0.0	199.2	283.6	224.8
12/23/2023 03:00 AM	0.0	199.2	283.6	224.8
12/23/2023 04:00 AM	0.0	199.2	283.6	224.8
12/23/2023 05:00 AM	0.0	199.1	283.6	224.8
12/23/2023 06:00 AM	0.0	199.1	283.5	224.8
12/23/2023 07:00 AM	0.0	199.1	283.5	224.8
12/23/2023 08:00 AM	0.0	199.1	283.5	224.8
12/23/2023 09:00 AM	0.0	199.1	283.5	224.8
12/23/2023 10:00 AM	0.0	199.1	283.5	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/23/2023 11:00 AM	0.0	199.1	283.5	224.8
12/23/2023 12:00 PM	0.0	199.1	283.5	224.8
12/23/2023 01:00 PM	0.0	199.0	283.4	224.8
12/23/2023 02:00 PM	0.0	199.0	283.4	224.8
12/23/2023 03:00 PM	0.0	199.0	283.4	224.8
12/23/2023 04:00 PM	0.0	199.0	283.5	224.8
12/23/2023 05:00 PM	0.0	199.0	283.5	224.8
12/23/2023 06:00 PM	0.0	199.0	283.5	224.8
12/23/2023 07:00 PM	0.0	199.0	283.5	224.8
12/23/2023 08:00 PM	0.0	199.0	283.5	224.8
12/23/2023 09:00 PM	0.0	199.0	283.5	224.8
12/23/2023 10:00 PM	0.0	199.0	283.5	224.8
12/23/2023 11:00 PM	0.0	199.0	283.5	224.8
12/24/2023 12:00 AM	0.0	199.0	283.5	224.8
12/24/2023 01:00 AM	0.0	199.0	283.5	224.8
12/24/2023 02:00 AM	0.0	199.0	283.4	224.8
12/24/2023 03:00 AM	0.0	199.0	283.4	224.8
12/24/2023 04:00 AM	0.0	198.9	283.4	224.8
12/24/2023 05:00 AM	0.0	198.9	283.4	224.8
12/24/2023 06:00 AM	0.0	198.9	283.4	224.8
12/24/2023 07:00 AM	0.0	198.9	283.4	224.8
12/24/2023 08:00 AM	0.0	198.9	283.5	224.8
12/24/2023 09:00 AM	0.0	199.0	283.4	224.8
12/24/2023 10:00 AM	0.0	199.0	283.5	224.8
12/24/2023 11:00 AM	0.0	198.9	283.4	224.8
12/24/2023 12:00 PM	0.0	198.9	283.4	224.8
12/24/2023 01:00 PM	0.0	198.9	283.4	224.8
12/24/2023 02:00 PM	0.0	198.9	283.4	224.8
12/24/2023 03:00 PM	0.0	198.9	283.4	224.8
12/24/2023 04:00 PM	0.0	198.9	283.4	224.8
12/24/2023 05:00 PM	0.0	198.9	283.5	224.8
12/24/2023 06:00 PM	0.0	198.9	283.4	224.8
12/24/2023 07:00 PM	0.0	198.9	283.5	224.8
12/24/2023 08:00 PM	0.0	198.9	283.5	224.8
12/24/2023 09:00 PM	0.0	198.9	283.5	224.8
12/24/2023 10:00 PM	0.0	198.9	283.5	224.8
12/24/2023 11:00 PM	0.0	198.9	283.5	224.8
12/25/2023 12:00 AM	0.0	198.9	283.5	224.8
12/25/2023 01:00 AM	0.0	198.9	283.5	224.8
12/25/2023 02:00 AM	0.0	198.9	283.5	224.8
12/25/2023 03:00 AM	0.0	198.9	283.4	224.8
12/25/2023 04:00 AM	0.0	198.9	283.4	224.8
12/25/2023 05:00 AM	0.0	198.8	283.4	224.8
12/25/2023 06:00 AM	0.0	198.8	283.4	224.8
12/25/2023 07:00 AM	0.0	198.8	283.4	224.8
12/25/2023 08:00 AM	0.0	198.9	283.5	224.8
12/25/2023 09:00 AM	0.0	198.9	283.5	224.8
12/25/2023 10:00 AM	0.0	198.9	283.5	224.8
12/25/2023 11:00 AM	0.0	198.9	283.5	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/25/2023 12:00 PM	0.0	198.8	283.4	224.8
12/25/2023 01:00 PM	0.0	198.8	283.4	224.8
12/25/2023 02:00 PM	0.0	198.8	283.4	224.8
12/25/2023 03:00 PM	0.0	198.8	283.4	224.8
12/25/2023 04:00 PM	0.0	198.8	283.4	224.8
12/25/2023 05:00 PM	0.0	198.8	283.4	224.8
12/25/2023 06:00 PM	0.0	198.8	283.4	224.8
12/25/2023 07:00 PM	0.0	198.8	283.4	224.8
12/25/2023 08:00 PM	0.0	198.8	283.5	224.8
12/25/2023 09:00 PM	0.0	198.8	283.4	224.8
12/25/2023 10:00 PM	0.0	198.8	283.5	224.8
12/25/2023 11:00 PM	0.0	198.8	283.5	224.8
12/26/2023 12:00 AM	0.0	198.8	283.5	224.8
12/26/2023 01:00 AM	0.0	198.8	283.4	224.8
12/26/2023 02:00 AM	0.0	198.7	283.4	224.8
12/26/2023 03:00 AM	0.0	198.7	283.4	224.8
12/26/2023 04:00 AM	0.0	198.7	283.3	224.8
12/26/2023 05:00 AM	0.0	198.7	283.3	224.8
12/26/2023 06:00 AM	0.0	198.7	283.3	224.8
12/26/2023 07:00 AM	0.0	198.7	283.3	224.8
12/26/2023 08:00 AM	0.0	198.7	283.4	224.8
12/26/2023 09:00 AM	0.0	198.7	283.4	224.8
12/26/2023 10:00 AM	0.0	198.7	283.4	224.8
12/26/2023 11:00 AM	0.0	198.7	283.4	224.8
12/26/2023 12:00 PM	0.0	198.7	283.4	224.8
12/26/2023 01:00 PM	0.0	198.6	283.3	224.8
12/26/2023 02:00 PM	0.0	198.6	283.3	224.8
12/26/2023 03:00 PM	0.0	198.6	283.3	224.8
12/26/2023 04:00 PM	0.0	198.6	283.3	224.8
12/26/2023 05:00 PM	0.0	198.6	283.4	224.8
12/26/2023 06:00 PM	0.0	198.6	283.4	224.8
12/26/2023 07:00 PM	0.0	198.6	283.4	224.8
12/26/2023 08:00 PM	0.0	198.7	283.4	224.8
12/26/2023 09:00 PM	0.0	198.7	283.4	224.8
12/26/2023 10:00 PM	0.0	198.7	283.4	224.8
12/26/2023 11:00 PM	0.0	198.7	283.5	224.8
12/27/2023 12:00 AM	0.0	198.7	283.5	224.8
12/27/2023 01:00 AM	0.0	198.7	283.4	224.8
12/27/2023 02:00 AM	0.0	198.7	283.5	224.8
12/27/2023 03:00 AM	0.0	198.7	283.4	224.8
12/27/2023 04:00 AM	0.0	198.7	283.4	224.8
12/27/2023 05:00 AM	0.0	198.7	283.4	224.8
12/27/2023 06:00 AM	0.0	198.7	283.4	224.8
12/27/2023 07:00 AM	0.0	198.7	283.4	224.8
12/27/2023 08:00 AM	0.0	198.7	283.5	224.8
12/27/2023 09:00 AM	0.0	198.7	283.5	224.8
12/27/2023 10:00 AM	0.0	198.7	283.5	224.8
12/27/2023 11:00 AM	0.0	198.7	283.5	224.8
12/27/2023 12:00 PM	0.0	198.7	283.5	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/27/2023 01:00 PM	0.0	198.7	283.5	224.8
12/27/2023 02:00 PM	0.0	198.7	283.5	224.8
12/27/2023 03:00 PM	0.0	198.7	283.4	224.8
12/27/2023 04:00 PM	0.0	198.7	283.4	224.8
12/27/2023 05:00 PM	0.0	198.7	283.4	224.8
12/27/2023 06:00 PM	0.0	198.7	283.5	224.8
12/27/2023 07:00 PM	0.0	198.7	283.5	224.8
12/27/2023 08:00 PM	0.0	198.7	283.5	224.8
12/27/2023 09:00 PM	0.0	198.7	283.5	224.8
12/27/2023 10:00 PM	0.0	198.7	283.5	224.8
12/27/2023 11:00 PM	0.0	198.7	283.5	224.8
12/28/2023 12:00 AM	0.0	198.7	283.5	224.8
12/28/2023 01:00 AM	0.0	198.7	283.5	224.8
12/28/2023 02:00 AM	0.0	198.7	283.5	224.8
12/28/2023 03:00 AM	0.0	198.7	283.5	224.8
12/28/2023 04:00 AM	0.0	198.7	283.5	224.8
12/28/2023 05:00 AM	0.0	198.7	283.5	224.8
12/28/2023 06:00 AM	0.0	198.7	283.5	224.8
12/28/2023 07:00 AM	0.0	198.7	283.5	224.8
12/28/2023 08:00 AM	195.7	198.7	283.5	224.8
12/28/2023 09:00 AM	206.6	198.7	283.6	224.8
12/28/2023 10:00 AM	206.8	198.7	283.7	224.8
12/28/2023 11:00 AM	206.9	198.7	283.8	224.8
12/28/2023 12:00 PM	206.9	198.7	283.9	224.8
12/28/2023 01:00 PM	207.0	198.7	283.9	224.8
12/28/2023 02:00 PM	207.0	198.7	283.9	224.8
12/28/2023 03:00 PM	207.1	198.7	284.0	224.8
12/28/2023 04:00 PM	10.4	199.7	284.0	224.8
12/28/2023 05:00 PM	0.0	199.3	283.9	224.8
12/28/2023 06:00 PM	0.0	199.1	283.8	224.8
12/28/2023 07:00 PM	0.0	199.1	283.8	224.8
12/28/2023 08:00 PM	0.0	199.0	283.7	224.8
12/28/2023 09:00 PM	0.0	199.0	283.7	224.8
12/28/2023 10:00 PM	0.0	199.0	283.7	224.8
12/28/2023 11:00 PM	0.0	199.0	283.8	224.8
12/29/2023 12:00 AM	0.0	199.0	283.7	224.8
12/29/2023 01:00 AM	0.0	199.0	283.7	224.8
12/29/2023 02:00 AM	0.0	199.0	283.7	224.8
12/29/2023 03:00 AM	0.0	199.0	283.7	224.8
12/29/2023 04:00 AM	0.0	199.0	283.7	224.8
12/29/2023 05:00 AM	0.0	198.9	283.7	224.8
12/29/2023 06:00 AM	0.0	198.9	283.7	224.8
12/29/2023 07:00 AM	0.0	198.9	283.7	224.8
12/29/2023 08:00 AM	0.0	198.9	283.7	224.8
12/29/2023 09:00 AM	0.0	198.9	283.7	224.8
12/29/2023 10:00 AM	0.0	199.0	283.7	224.8
12/29/2023 11:00 AM	0.0	199.0	283.7	224.8
12/29/2023 12:00 PM	0.0	198.9	283.7	224.8
12/29/2023 01:00 PM	0.0	198.9	283.7	224.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/29/2023 02:00 PM	0.0	198.9	283.7	224.8
12/29/2023 03:00 PM	0.0	198.9	283.7	224.8
12/29/2023 04:00 PM	0.0	198.9	283.7	224.8
12/29/2023 05:00 PM	0.0	198.9	283.7	224.8
12/29/2023 06:00 PM	0.0	198.9	283.6	224.8
12/29/2023 07:00 PM	0.0	198.9	283.7	224.8
12/29/2023 08:00 PM	0.0	198.9	283.7	224.8
12/29/2023 09:00 PM	0.0	198.9	283.7	224.8
12/29/2023 10:00 PM	0.0	198.9	283.7	224.8
12/29/2023 11:00 PM	0.0	199.0	283.7	224.8
12/30/2023 12:00 AM	0.0	199.0	283.7	224.8
12/30/2023 01:00 AM	0.0	199.0	283.7	224.8
12/30/2023 02:00 AM	0.0	199.0	283.7	224.8
12/30/2023 03:00 AM	0.0	199.0	283.7	224.8
12/30/2023 04:00 AM	0.0	198.9	283.7	224.8
12/30/2023 05:00 AM	0.0	198.9	283.7	224.8
12/30/2023 06:00 AM	0.0	198.9	283.6	224.8
12/30/2023 07:00 AM	0.0	198.9	283.7	224.8
12/30/2023 08:00 AM	0.0	198.9	283.7	224.8
12/30/2023 09:00 AM	0.0	198.9	283.6	224.8
12/30/2023 10:00 AM	0.0	198.9	283.6	224.8
12/30/2023 11:00 AM	0.0	198.9	283.6	224.8
12/30/2023 12:00 PM	0.0	198.9	283.6	224.8
12/30/2023 01:00 PM	0.0	198.8	283.6	224.8
12/30/2023 02:00 PM	0.0	198.8	283.6	224.8
12/30/2023 03:00 PM	0.0	198.8	283.6	224.8
12/30/2023 04:00 PM	0.0	198.8	283.6	224.8
12/30/2023 05:00 PM	0.0	198.8	283.6	224.8
12/30/2023 06:00 PM	0.0	198.8	283.6	224.8
12/30/2023 07:00 PM	0.0	198.8	283.6	224.8
12/30/2023 08:00 PM	0.0	198.8	283.5	224.8
12/30/2023 09:00 PM	0.0	198.8	283.6	224.8
12/30/2023 10:00 PM	0.0	198.8	283.6	224.8
12/30/2023 11:00 PM	0.0	198.8	283.6	224.8
12/31/2023 12:00 AM	0.0	198.8	283.6	224.8
12/31/2023 01:00 AM	0.0	198.8	283.6	224.8
12/31/2023 02:00 AM	0.0	198.8	283.6	224.8
12/31/2023 03:00 AM	0.0	198.8	283.6	224.8
12/31/2023 04:00 AM	0.0	198.8	283.5	224.8
12/31/2023 05:00 AM	0.0	198.7	283.5	224.8
12/31/2023 06:00 AM	0.0	198.7	283.5	224.8
12/31/2023 07:00 AM	0.0	198.7	283.5	224.8
12/31/2023 08:00 AM	0.0	198.7	283.5	224.8
12/31/2023 09:00 AM	0.0	198.7	283.5	224.8
12/31/2023 10:00 AM	0.0	198.7	283.5	224.8
12/31/2023 11:00 AM	0.0	198.7	283.5	224.8
12/31/2023 12:00 PM	0.0	198.7	283.5	224.8
12/31/2023 01:00 PM	0.0	198.7	283.4	224.8
12/31/2023 02:00 PM	0.0	198.7	176.0	228.8

Griggs/Walnut Treatment Facility
Well 18 and 27 Hourly Level Data
December 2023

Date/Time	Well 18		Well 27	
	Pumping	Static	Pumping	Static
12/31/2023 03:00 PM	0.0	198.6	281.5	224.0
12/31/2023 04:00 PM	0.0	198.6	282.7	224.0
12/31/2023 05:00 PM	0.0	198.6	282.8	224.0
12/31/2023 06:00 PM	0.0	198.6	282.9	224.0
12/31/2023 07:00 PM	0.0	198.6	282.9	224.0
12/31/2023 08:00 PM	0.0	198.6	282.9	224.0
12/31/2023 09:00 PM	0.0	198.6	282.9	224.0
12/31/2023 10:00 PM	0.0	198.7	282.9	224.0
12/31/2023 11:00 PM	0.0	198.7	283.0	224.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/01/2023 12:00 AM	0.0	0.0	0.0
12/01/2023 01:00 AM	0.0	0.0	0.0
12/01/2023 02:00 AM	0.0	0.0	0.0
12/01/2023 03:00 AM	0.0	0.0	0.0
12/01/2023 04:00 AM	0.0	0.0	0.0
12/01/2023 05:00 AM	0.0	0.0	0.0
12/01/2023 06:00 AM	0.0	0.0	0.0
12/01/2023 07:00 AM	0.0	0.0	0.0
12/01/2023 08:00 AM	0.0	0.0	0.0
12/01/2023 09:00 AM	0.0	0.0	0.0
12/01/2023 10:00 AM	0.0	0.0	0.0
12/01/2023 11:00 AM	0.0	0.0	0.0
12/01/2023 12:00 PM	0.0	0.0	0.0
12/01/2023 01:00 PM	0.0	0.0	0.0
12/01/2023 02:00 PM	0.0	0.0	0.0
12/01/2023 03:00 PM	0.0	0.0	0.0
12/01/2023 04:00 PM	0.0	0.0	0.0
12/01/2023 05:00 PM	0.0	0.0	0.0
12/01/2023 06:00 PM	0.0	0.0	0.0
12/01/2023 07:00 PM	0.0	0.0	0.0
12/01/2023 08:00 PM	0.0	0.0	0.0
12/01/2023 09:00 PM	0.0	0.0	0.0
12/01/2023 10:00 PM	0.0	0.0	0.0
12/01/2023 11:00 PM	0.0	0.0	0.0
12/02/2023 12:00 AM	0.0	0.0	0.0
12/02/2023 01:00 AM	0.0	0.0	0.0
12/02/2023 02:00 AM	0.0	0.0	0.0
12/02/2023 03:00 AM	0.0	0.0	0.0
12/02/2023 04:00 AM	0.0	0.0	0.0
12/02/2023 05:00 AM	0.0	0.0	0.0
12/02/2023 06:00 AM	0.0	0.0	0.0
12/02/2023 07:00 AM	0.0	0.0	0.0
12/02/2023 08:00 AM	0.0	0.0	0.0
12/02/2023 09:00 AM	0.0	0.0	0.0
12/02/2023 10:00 AM	0.0	0.0	0.0
12/02/2023 11:00 AM	0.0	0.0	0.0
12/02/2023 12:00 PM	0.0	0.0	0.0
12/02/2023 01:00 PM	0.0	0.0	0.0
12/02/2023 02:00 PM	0.0	0.0	0.0
12/02/2023 03:00 PM	0.0	0.0	0.0
12/02/2023 04:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/02/2023 05:00 PM	0.0	0.0	0.0
12/02/2023 06:00 PM	0.0	0.0	0.0
12/02/2023 07:00 PM	0.0	0.0	0.0
12/02/2023 08:00 PM	0.0	0.0	0.0
12/02/2023 09:00 PM	0.0	0.0	0.0
12/02/2023 10:00 PM	0.0	0.0	0.0
12/02/2023 11:00 PM	0.0	0.0	0.0
12/03/2023 12:00 AM	0.0	0.0	0.0
12/03/2023 01:00 AM	0.0	0.0	0.0
12/03/2023 02:00 AM	0.0	0.0	0.0
12/03/2023 03:00 AM	0.0	0.0	0.0
12/03/2023 04:00 AM	0.0	0.0	0.0
12/03/2023 05:00 AM	0.0	0.0	0.0
12/03/2023 06:00 AM	0.0	0.0	0.0
12/03/2023 07:00 AM	0.0	0.0	0.0
12/03/2023 08:00 AM	0.0	0.0	0.0
12/03/2023 09:00 AM	0.0	0.0	0.0
12/03/2023 10:00 AM	0.0	0.0	0.0
12/03/2023 11:00 AM	0.0	0.0	0.0
12/03/2023 12:00 PM	0.0	0.0	0.0
12/03/2023 01:00 PM	0.0	0.0	0.0
12/03/2023 02:00 PM	0.0	0.0	0.0
12/03/2023 03:00 PM	0.0	0.0	0.0
12/03/2023 04:00 PM	0.0	0.0	0.0
12/03/2023 05:00 PM	0.0	0.0	0.0
12/03/2023 06:00 PM	0.0	0.0	0.0
12/03/2023 07:00 PM	0.0	0.0	0.0
12/03/2023 08:00 PM	0.0	0.0	0.0
12/03/2023 09:00 PM	0.0	0.0	0.0
12/03/2023 10:00 PM	0.0	0.0	0.0
12/03/2023 11:00 PM	0.0	0.0	0.0
12/04/2023 12:00 AM	0.0	0.0	0.0
12/04/2023 01:00 AM	0.0	0.0	0.0
12/04/2023 02:00 AM	0.0	0.0	0.0
12/04/2023 03:00 AM	0.0	0.0	0.0
12/04/2023 04:00 AM	0.0	0.0	0.0
12/04/2023 05:00 AM	0.0	0.0	0.0
12/04/2023 06:00 AM	0.0	0.0	0.0
12/04/2023 07:00 AM	0.0	0.0	0.0
12/04/2023 08:00 AM	0.0	0.0	0.0
12/04/2023 09:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/04/2023 10:00 AM	0.0	0.0	0.0
12/04/2023 11:00 AM	0.0	0.0	0.0
12/04/2023 12:00 PM	0.0	0.0	0.0
12/04/2023 01:00 PM	0.0	0.0	0.0
12/04/2023 02:00 PM	0.0	0.0	0.0
12/04/2023 03:00 PM	0.0	0.0	0.0
12/04/2023 04:00 PM	0.0	0.0	0.0
12/04/2023 05:00 PM	0.0	0.0	0.0
12/04/2023 06:00 PM	0.0	0.0	0.0
12/04/2023 07:00 PM	0.0	0.0	0.0
12/04/2023 08:00 PM	0.0	0.0	0.0
12/04/2023 09:00 PM	0.0	0.0	0.0
12/04/2023 10:00 PM	0.0	0.0	0.0
12/04/2023 11:00 PM	0.0	0.0	0.0
12/05/2023 12:00 AM	0.0	0.0	0.0
12/05/2023 01:00 AM	0.0	0.0	0.0
12/05/2023 02:00 AM	0.0	0.0	0.0
12/05/2023 03:00 AM	0.0	0.0	0.0
12/05/2023 04:00 AM	0.0	0.0	0.0
12/05/2023 05:00 AM	0.0	0.0	0.0
12/05/2023 06:00 AM	0.0	0.0	0.0
12/05/2023 07:00 AM	0.0	0.0	0.0
12/05/2023 08:00 AM	0.0	0.0	0.0
12/05/2023 09:00 AM	0.0	0.0	0.0
12/05/2023 10:00 AM	0.0	0.0	0.0
12/05/2023 11:00 AM	0.0	0.0	0.0
12/05/2023 12:00 PM	0.0	0.0	0.0
12/05/2023 01:00 PM	0.0	0.0	0.0
12/05/2023 02:00 PM	0.0	0.0	0.0
12/05/2023 03:00 PM	0.0	0.0	0.0
12/05/2023 04:00 PM	0.0	0.0	0.0
12/05/2023 05:00 PM	0.0	0.0	0.0
12/05/2023 06:00 PM	0.0	0.0	0.0
12/05/2023 07:00 PM	0.0	0.0	0.0
12/05/2023 08:00 PM	0.0	0.0	0.0
12/05/2023 09:00 PM	0.0	0.0	0.0
12/05/2023 10:00 PM	0.0	0.0	0.0
12/05/2023 11:00 PM	0.0	0.0	0.0
12/06/2023 12:00 AM	0.0	0.0	0.0
12/06/2023 01:00 AM	0.0	0.0	0.0
12/06/2023 02:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/06/2023 03:00 AM	0.0	0.0	0.0
12/06/2023 04:00 AM	0.0	0.0	0.0
12/06/2023 05:00 AM	0.0	0.0	0.0
12/06/2023 06:00 AM	0.0	0.0	0.0
12/06/2023 07:00 AM	0.0	0.0	0.0
12/06/2023 08:00 AM	0.0	0.0	0.0
12/06/2023 09:00 AM	0.0	0.0	0.0
12/06/2023 10:00 AM	0.0	0.0	0.0
12/06/2023 11:00 AM	0.0	0.0	0.0
12/06/2023 12:00 PM	0.0	0.0	0.0
12/06/2023 01:00 PM	0.0	0.0	0.0
12/06/2023 02:00 PM	0.0	0.0	0.0
12/06/2023 03:00 PM	0.0	0.0	0.0
12/06/2023 04:00 PM	0.0	0.0	0.0
12/06/2023 05:00 PM	0.0	0.0	0.0
12/06/2023 06:00 PM	0.0	0.0	0.0
12/06/2023 07:00 PM	0.0	0.0	0.0
12/06/2023 08:00 PM	0.0	0.0	0.0
12/06/2023 09:00 PM	0.0	0.0	0.0
12/06/2023 10:00 PM	0.0	0.0	0.0
12/06/2023 11:00 PM	0.0	0.0	0.0
12/07/2023 12:00 AM	0.0	0.0	0.0
12/07/2023 01:00 AM	0.0	0.0	0.0
12/07/2023 02:00 AM	0.0	0.0	0.0
12/07/2023 03:00 AM	0.0	0.0	0.0
12/07/2023 04:00 AM	0.0	0.0	0.0
12/07/2023 05:00 AM	0.0	0.0	0.0
12/07/2023 06:00 AM	0.0	0.0	0.0
12/07/2023 07:00 AM	0.0	0.0	0.0
12/07/2023 08:00 AM	1,932.3	0.0	1,815.3
12/07/2023 09:00 AM	1,894.6	1,793.6	1,836.5
12/07/2023 10:00 AM	1,793.6	1,759.3	1,776.0
12/07/2023 11:00 AM	1,763.4	1,742.8	1,754.6
12/07/2023 12:00 PM	1,761.6	1,737.4	1,745.3
12/07/2023 01:00 PM	1,750.3	1,711.6	1,728.3
12/07/2023 02:00 PM	1,729.4	1,704.2	1,715.9
12/07/2023 03:00 PM	1,718.9	1,703.2	1,711.6
12/07/2023 04:00 PM	1,714.3	0.0	85.7
12/07/2023 05:00 PM	0.0	0.0	0.0
12/07/2023 06:00 PM	0.0	0.0	0.0
12/07/2023 07:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/07/2023 08:00 PM	0.0	0.0	0.0
12/07/2023 09:00 PM	0.0	0.0	0.0
12/07/2023 10:00 PM	0.0	0.0	0.0
12/07/2023 11:00 PM	0.0	0.0	0.0
12/08/2023 12:00 AM	0.0	0.0	0.0
12/08/2023 01:00 AM	0.0	0.0	0.0
12/08/2023 02:00 AM	0.0	0.0	0.0
12/08/2023 03:00 AM	0.0	0.0	0.0
12/08/2023 04:00 AM	0.0	0.0	0.0
12/08/2023 05:00 AM	0.0	0.0	0.0
12/08/2023 06:00 AM	0.0	0.0	0.0
12/08/2023 07:00 AM	0.0	0.0	0.0
12/08/2023 08:00 AM	0.0	0.0	0.0
12/08/2023 09:00 AM	0.0	0.0	0.0
12/08/2023 10:00 AM	0.0	0.0	0.0
12/08/2023 11:00 AM	0.0	0.0	0.0
12/08/2023 12:00 PM	0.0	0.0	0.0
12/08/2023 01:00 PM	0.0	0.0	0.0
12/08/2023 02:00 PM	0.0	0.0	0.0
12/08/2023 03:00 PM	0.0	0.0	0.0
12/08/2023 04:00 PM	0.0	0.0	0.0
12/08/2023 05:00 PM	0.0	0.0	0.0
12/08/2023 06:00 PM	0.0	0.0	0.0
12/08/2023 07:00 PM	0.0	0.0	0.0
12/08/2023 08:00 PM	0.0	0.0	0.0
12/08/2023 09:00 PM	0.0	0.0	0.0
12/08/2023 10:00 PM	0.0	0.0	0.0
12/08/2023 11:00 PM	0.0	0.0	0.0
12/09/2023 12:00 AM	0.0	0.0	0.0
12/09/2023 01:00 AM	0.0	0.0	0.0
12/09/2023 02:00 AM	0.0	0.0	0.0
12/09/2023 03:00 AM	0.0	0.0	0.0
12/09/2023 04:00 AM	0.0	0.0	0.0
12/09/2023 05:00 AM	0.0	0.0	0.0
12/09/2023 06:00 AM	0.0	0.0	0.0
12/09/2023 07:00 AM	0.0	0.0	0.0
12/09/2023 08:00 AM	0.0	0.0	0.0
12/09/2023 09:00 AM	0.0	0.0	0.0
12/09/2023 10:00 AM	0.0	0.0	0.0
12/09/2023 11:00 AM	0.0	0.0	0.0
12/09/2023 12:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/09/2023 01:00 PM	0.0	0.0	0.0
12/09/2023 02:00 PM	0.0	0.0	0.0
12/09/2023 03:00 PM	0.0	0.0	0.0
12/09/2023 04:00 PM	0.0	0.0	0.0
12/09/2023 05:00 PM	0.0	0.0	0.0
12/09/2023 06:00 PM	0.0	0.0	0.0
12/09/2023 07:00 PM	0.0	0.0	0.0
12/09/2023 08:00 PM	0.0	0.0	0.0
12/09/2023 09:00 PM	0.0	0.0	0.0
12/09/2023 10:00 PM	0.0	0.0	0.0
12/09/2023 11:00 PM	0.0	0.0	0.0
12/10/2023 12:00 AM	0.0	0.0	0.0
12/10/2023 01:00 AM	0.0	0.0	0.0
12/10/2023 02:00 AM	0.0	0.0	0.0
12/10/2023 03:00 AM	0.0	0.0	0.0
12/10/2023 04:00 AM	0.0	0.0	0.0
12/10/2023 05:00 AM	0.0	0.0	0.0
12/10/2023 06:00 AM	0.0	0.0	0.0
12/10/2023 07:00 AM	0.0	0.0	0.0
12/10/2023 08:00 AM	0.0	0.0	0.0
12/10/2023 09:00 AM	0.0	0.0	0.0
12/10/2023 10:00 AM	0.0	0.0	0.0
12/10/2023 11:00 AM	0.0	0.0	0.0
12/10/2023 12:00 PM	0.0	0.0	0.0
12/10/2023 01:00 PM	0.0	0.0	0.0
12/10/2023 02:00 PM	0.0	0.0	0.0
12/10/2023 03:00 PM	0.0	0.0	0.0
12/10/2023 04:00 PM	0.0	0.0	0.0
12/10/2023 05:00 PM	0.0	0.0	0.0
12/10/2023 06:00 PM	0.0	0.0	0.0
12/10/2023 07:00 PM	0.0	0.0	0.0
12/10/2023 08:00 PM	0.0	0.0	0.0
12/10/2023 09:00 PM	0.0	0.0	0.0
12/10/2023 10:00 PM	0.0	0.0	0.0
12/10/2023 11:00 PM	0.0	0.0	0.0
12/11/2023 12:00 AM	0.0	0.0	0.0
12/11/2023 01:00 AM	0.0	0.0	0.0
12/11/2023 02:00 AM	0.0	0.0	0.0
12/11/2023 03:00 AM	0.0	0.0	0.0
12/11/2023 04:00 AM	0.0	0.0	0.0
12/11/2023 05:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/11/2023 06:00 AM	0.0	0.0	0.0
12/11/2023 07:00 AM	0.0	0.0	0.0
12/11/2023 08:00 AM	0.0	0.0	0.0
12/11/2023 09:00 AM	0.0	0.0	0.0
12/11/2023 10:00 AM	0.0	0.0	0.0
12/11/2023 11:00 AM	0.0	0.0	0.0
12/11/2023 12:00 PM	0.0	0.0	0.0
12/11/2023 01:00 PM	0.0	0.0	0.0
12/11/2023 02:00 PM	0.0	0.0	0.0
12/11/2023 03:00 PM	0.0	0.0	0.0
12/11/2023 04:00 PM	0.0	0.0	0.0
12/11/2023 05:00 PM	0.0	0.0	0.0
12/11/2023 06:00 PM	0.0	0.0	0.0
12/11/2023 07:00 PM	0.0	0.0	0.0
12/11/2023 08:00 PM	0.0	0.0	0.0
12/11/2023 09:00 PM	0.0	0.0	0.0
12/11/2023 10:00 PM	0.0	0.0	0.0
12/11/2023 11:00 PM	0.0	0.0	0.0
12/12/2023 12:00 AM	0.0	0.0	0.0
12/12/2023 01:00 AM	0.0	0.0	0.0
12/12/2023 02:00 AM	0.0	0.0	0.0
12/12/2023 03:00 AM	0.0	0.0	0.0
12/12/2023 04:00 AM	0.0	0.0	0.0
12/12/2023 05:00 AM	0.0	0.0	0.0
12/12/2023 06:00 AM	0.0	0.0	0.0
12/12/2023 07:00 AM	0.0	0.0	0.0
12/12/2023 08:00 AM	0.0	0.0	0.0
12/12/2023 09:00 AM	0.0	0.0	0.0
12/12/2023 10:00 AM	0.0	0.0	0.0
12/12/2023 11:00 AM	0.0	0.0	0.0
12/12/2023 12:00 PM	0.0	0.0	0.0
12/12/2023 01:00 PM	0.0	0.0	0.0
12/12/2023 02:00 PM	0.0	0.0	0.0
12/12/2023 03:00 PM	0.0	0.0	0.0
12/12/2023 04:00 PM	0.0	0.0	0.0
12/12/2023 05:00 PM	0.0	0.0	0.0
12/12/2023 06:00 PM	0.0	0.0	0.0
12/12/2023 07:00 PM	0.0	0.0	0.0
12/12/2023 08:00 PM	0.0	0.0	0.0
12/12/2023 09:00 PM	0.0	0.0	0.0
12/12/2023 10:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/12/2023 11:00 PM	0.0	0.0	0.0
12/13/2023 12:00 AM	0.0	0.0	0.0
12/13/2023 01:00 AM	0.0	0.0	0.0
12/13/2023 02:00 AM	0.0	0.0	0.0
12/13/2023 03:00 AM	0.0	0.0	0.0
12/13/2023 04:00 AM	0.0	0.0	0.0
12/13/2023 05:00 AM	0.0	0.0	0.0
12/13/2023 06:00 AM	0.0	0.0	0.0
12/13/2023 07:00 AM	0.0	0.0	0.0
12/13/2023 08:00 AM	0.0	0.0	0.0
12/13/2023 09:00 AM	0.0	0.0	0.0
12/13/2023 10:00 AM	0.0	0.0	0.0
12/13/2023 11:00 AM	0.0	0.0	0.0
12/13/2023 12:00 PM	0.0	0.0	0.0
12/13/2023 01:00 PM	0.0	0.0	0.0
12/13/2023 02:00 PM	0.0	0.0	0.0
12/13/2023 03:00 PM	0.0	0.0	0.0
12/13/2023 04:00 PM	0.0	0.0	0.0
12/13/2023 05:00 PM	0.0	0.0	0.0
12/13/2023 06:00 PM	0.0	0.0	0.0
12/13/2023 07:00 PM	0.0	0.0	0.0
12/13/2023 08:00 PM	0.0	0.0	0.0
12/13/2023 09:00 PM	0.0	0.0	0.0
12/13/2023 10:00 PM	0.0	0.0	0.0
12/13/2023 11:00 PM	0.0	0.0	0.0
12/14/2023 12:00 AM	0.0	0.0	0.0
12/14/2023 01:00 AM	0.0	0.0	0.0
12/14/2023 02:00 AM	0.0	0.0	0.0
12/14/2023 03:00 AM	0.0	0.0	0.0
12/14/2023 04:00 AM	0.0	0.0	0.0
12/14/2023 05:00 AM	0.0	0.0	0.0
12/14/2023 06:00 AM	0.0	0.0	0.0
12/14/2023 07:00 AM	0.0	0.0	0.0
12/14/2023 08:00 AM	1,919.6	0.0	1,795.5
12/14/2023 09:00 AM	1,872.7	1,774.1	1,814.7
12/14/2023 10:00 AM	1,777.3	1,756.5	1,766.2
12/14/2023 11:00 AM	1,764.1	1,745.3	1,753.3
12/14/2023 12:00 PM	1,752.8	1,720.1	1,734.1
12/14/2023 01:00 PM	1,720.1	1,701.2	1,709.8
12/14/2023 02:00 PM	1,720.3	1,693.0	1,703.2
12/14/2023 03:00 PM	1,723.2	1,703.8	1,713.3

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/14/2023 04:00 PM	1,716.5	0.0	85.8
12/14/2023 05:00 PM	0.0	0.0	0.0
12/14/2023 06:00 PM	0.0	0.0	0.0
12/14/2023 07:00 PM	0.0	0.0	0.0
12/14/2023 08:00 PM	0.0	0.0	0.0
12/14/2023 09:00 PM	0.0	0.0	0.0
12/14/2023 10:00 PM	0.0	0.0	0.0
12/14/2023 11:00 PM	0.0	0.0	0.0
12/15/2023 12:00 AM	0.0	0.0	0.0
12/15/2023 01:00 AM	0.0	0.0	0.0
12/15/2023 02:00 AM	0.0	0.0	0.0
12/15/2023 03:00 AM	0.0	0.0	0.0
12/15/2023 04:00 AM	0.0	0.0	0.0
12/15/2023 05:00 AM	0.0	0.0	0.0
12/15/2023 06:00 AM	0.0	0.0	0.0
12/15/2023 07:00 AM	0.0	0.0	0.0
12/15/2023 08:00 AM	0.0	0.0	0.0
12/15/2023 09:00 AM	0.0	0.0	0.0
12/15/2023 10:00 AM	0.0	0.0	0.0
12/15/2023 11:00 AM	0.0	0.0	0.0
12/15/2023 12:00 PM	0.0	0.0	0.0
12/15/2023 01:00 PM	0.0	0.0	0.0
12/15/2023 02:00 PM	0.0	0.0	0.0
12/15/2023 03:00 PM	0.0	0.0	0.0
12/15/2023 04:00 PM	0.0	0.0	0.0
12/15/2023 05:00 PM	0.0	0.0	0.0
12/15/2023 06:00 PM	0.0	0.0	0.0
12/15/2023 07:00 PM	0.0	0.0	0.0
12/15/2023 08:00 PM	0.0	0.0	0.0
12/15/2023 09:00 PM	0.0	0.0	0.0
12/15/2023 10:00 PM	0.0	0.0	0.0
12/15/2023 11:00 PM	0.0	0.0	0.0
12/16/2023 12:00 AM	0.0	0.0	0.0
12/16/2023 01:00 AM	0.0	0.0	0.0
12/16/2023 02:00 AM	0.0	0.0	0.0
12/16/2023 03:00 AM	0.0	0.0	0.0
12/16/2023 04:00 AM	0.0	0.0	0.0
12/16/2023 05:00 AM	0.0	0.0	0.0
12/16/2023 06:00 AM	0.0	0.0	0.0
12/16/2023 07:00 AM	0.0	0.0	0.0
12/16/2023 08:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/16/2023 09:00 AM	0.0	0.0	0.0
12/16/2023 10:00 AM	0.0	0.0	0.0
12/16/2023 11:00 AM	0.0	0.0	0.0
12/16/2023 12:00 PM	0.0	0.0	0.0
12/16/2023 01:00 PM	0.0	0.0	0.0
12/16/2023 02:00 PM	0.0	0.0	0.0
12/16/2023 03:00 PM	0.0	0.0	0.0
12/16/2023 04:00 PM	0.0	0.0	0.0
12/16/2023 05:00 PM	0.0	0.0	0.0
12/16/2023 06:00 PM	0.0	0.0	0.0
12/16/2023 07:00 PM	0.0	0.0	0.0
12/16/2023 08:00 PM	0.0	0.0	0.0
12/16/2023 09:00 PM	0.0	0.0	0.0
12/16/2023 10:00 PM	0.0	0.0	0.0
12/16/2023 11:00 PM	0.0	0.0	0.0
12/17/2023 12:00 AM	0.0	0.0	0.0
12/17/2023 01:00 AM	0.0	0.0	0.0
12/17/2023 02:00 AM	0.0	0.0	0.0
12/17/2023 03:00 AM	0.0	0.0	0.0
12/17/2023 04:00 AM	0.0	0.0	0.0
12/17/2023 05:00 AM	0.0	0.0	0.0
12/17/2023 06:00 AM	0.0	0.0	0.0
12/17/2023 07:00 AM	0.0	0.0	0.0
12/17/2023 08:00 AM	0.0	0.0	0.0
12/17/2023 09:00 AM	0.0	0.0	0.0
12/17/2023 10:00 AM	0.0	0.0	0.0
12/17/2023 11:00 AM	0.0	0.0	0.0
12/17/2023 12:00 PM	0.0	0.0	0.0
12/17/2023 01:00 PM	0.0	0.0	0.0
12/17/2023 02:00 PM	0.0	0.0	0.0
12/17/2023 03:00 PM	0.0	0.0	0.0
12/17/2023 04:00 PM	0.0	0.0	0.0
12/17/2023 05:00 PM	0.0	0.0	0.0
12/17/2023 06:00 PM	0.0	0.0	0.0
12/17/2023 07:00 PM	0.0	0.0	0.0
12/17/2023 08:00 PM	0.0	0.0	0.0
12/17/2023 09:00 PM	0.0	0.0	0.0
12/17/2023 10:00 PM	0.0	0.0	0.0
12/17/2023 11:00 PM	0.0	0.0	0.0
12/18/2023 12:00 AM	0.0	0.0	0.0
12/18/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/18/2023 01:00 AM	0.0	0.0	0.0
12/18/2023 01:00 AM	0.0	0.0	0.0
12/18/2023 02:00 AM	0.0	0.0	0.0
12/18/2023 02:00 AM	0.0	0.0	0.0
12/18/2023 03:00 AM	0.0	0.0	0.0
12/18/2023 03:00 AM	0.0	0.0	0.0
12/18/2023 04:00 AM	0.0	0.0	0.0
12/18/2023 04:00 AM	0.0	0.0	0.0
12/18/2023 05:00 AM	0.0	0.0	0.0
12/18/2023 05:00 AM	0.0	0.0	0.0
12/18/2023 06:00 AM	0.0	0.0	0.0
12/18/2023 06:00 AM	0.0	0.0	0.0
12/18/2023 07:00 AM	0.0	0.0	0.0
12/18/2023 07:00 AM	0.0	0.0	0.0
12/18/2023 08:00 AM	0.0	0.0	0.0
12/18/2023 08:00 AM	0.0	0.0	0.0
12/18/2023 09:00 AM	0.0	0.0	0.0
12/18/2023 09:00 AM	0.0	0.0	0.0
12/18/2023 10:00 AM	0.0	0.0	0.0
12/18/2023 10:00 AM	0.0	0.0	0.0
12/18/2023 11:00 AM	0.0	0.0	0.0
12/18/2023 11:00 AM	0.0	0.0	0.0
12/18/2023 12:00 PM	0.0	0.0	0.0
12/18/2023 12:00 PM	0.0	0.0	0.0
12/18/2023 01:00 PM	0.0	0.0	0.0
12/18/2023 01:00 PM	0.0	0.0	0.0
12/18/2023 02:00 PM	0.0	0.0	0.0
12/18/2023 02:00 PM	0.0	0.0	0.0
12/18/2023 03:00 PM	0.0	0.0	0.0
12/18/2023 03:00 PM	0.0	0.0	0.0
12/18/2023 04:00 PM	0.0	0.0	0.0
12/18/2023 04:00 PM	0.0	0.0	0.0
12/18/2023 05:00 PM	0.0	0.0	0.0
12/18/2023 05:00 PM	0.0	0.0	0.0
12/18/2023 06:00 PM	0.0	0.0	0.0
12/18/2023 06:00 PM	0.0	0.0	0.0
12/18/2023 07:00 PM	0.0	0.0	0.0
12/18/2023 07:00 PM	0.0	0.0	0.0
12/18/2023 08:00 PM	0.0	0.0	0.0
12/18/2023 08:00 PM	0.0	0.0	0.0
12/18/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/18/2023 09:00 PM	0.0	0.0	0.0
12/18/2023 10:00 PM	0.0	0.0	0.0
12/18/2023 10:00 PM	0.0	0.0	0.0
12/18/2023 11:00 PM	0.0	0.0	0.0
12/18/2023 11:00 PM	0.0	0.0	0.0
12/19/2023 12:00 AM	0.0	0.0	0.0
12/19/2023 01:00 AM	0.0	0.0	0.0
12/19/2023 02:00 AM	0.0	0.0	0.0
12/19/2023 03:00 AM	0.0	0.0	0.0
12/19/2023 04:00 AM	0.0	0.0	0.0
12/19/2023 05:00 AM	0.0	0.0	0.0
12/19/2023 06:00 AM	0.0	0.0	0.0
12/19/2023 07:00 AM	0.0	0.0	0.0
12/19/2023 08:00 AM	0.0	0.0	0.0
12/19/2023 09:00 AM	0.0	0.0	0.0
12/19/2023 10:00 AM	0.0	0.0	0.0
12/19/2023 11:00 AM	0.0	0.0	0.0
12/19/2023 12:00 PM	0.0	0.0	0.0
12/19/2023 01:00 PM	0.0	0.0	0.0
12/19/2023 02:00 PM	0.0	0.0	0.0
12/19/2023 03:00 PM	0.0	0.0	0.0
12/19/2023 04:00 PM	0.0	0.0	0.0
12/19/2023 05:00 PM	0.0	0.0	0.0
12/19/2023 06:00 PM	0.0	0.0	0.0
12/19/2023 07:00 PM	0.0	0.0	0.0
12/19/2023 08:00 PM	0.0	0.0	0.0
12/19/2023 09:00 PM	0.0	0.0	0.0
12/19/2023 10:00 PM	0.0	0.0	0.0
12/19/2023 11:00 PM	0.0	0.0	0.0
12/20/2023 12:00 AM	0.0	0.0	0.0
12/20/2023 01:00 AM	0.0	0.0	0.0
12/20/2023 02:00 AM	0.0	0.0	0.0
12/20/2023 03:00 AM	0.0	0.0	0.0
12/20/2023 04:00 AM	0.0	0.0	0.0
12/20/2023 05:00 AM	0.0	0.0	0.0
12/20/2023 06:00 AM	0.0	0.0	0.0
12/20/2023 07:00 AM	0.0	0.0	0.0
12/20/2023 08:00 AM	0.0	0.0	0.0
12/20/2023 09:00 AM	0.0	0.0	0.0
12/20/2023 10:00 AM	0.0	0.0	0.0
12/20/2023 11:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/20/2023 12:00 PM	0.0	0.0	0.0
12/20/2023 01:00 PM	0.0	0.0	0.0
12/20/2023 02:00 PM	0.0	0.0	0.0
12/20/2023 03:00 PM	0.0	0.0	0.0
12/20/2023 04:00 PM	0.0	0.0	0.0
12/20/2023 05:00 PM	0.0	0.0	0.0
12/20/2023 06:00 PM	0.0	0.0	0.0
12/20/2023 07:00 PM	0.0	0.0	0.0
12/20/2023 08:00 PM	0.0	0.0	0.0
12/20/2023 09:00 PM	0.0	0.0	0.0
12/20/2023 10:00 PM	0.0	0.0	0.0
12/20/2023 11:00 PM	0.0	0.0	0.0
12/21/2023 12:00 AM	0.0	0.0	0.0
12/21/2023 01:00 AM	0.0	0.0	0.0
12/21/2023 02:00 AM	0.0	0.0	0.0
12/21/2023 03:00 AM	0.0	0.0	0.0
12/21/2023 04:00 AM	0.0	0.0	0.0
12/21/2023 05:00 AM	0.0	0.0	0.0
12/21/2023 06:00 AM	0.0	0.0	0.0
12/21/2023 07:00 AM	0.0	0.0	0.0
12/21/2023 08:00 AM	1,981.7	0.0	1,836.8
12/21/2023 09:00 AM	1,900.0	1,800.3	1,839.8
12/21/2023 10:00 AM	1,800.7	1,776.1	1,786.0
12/21/2023 11:00 AM	1,782.7	1,764.6	1,776.4
12/21/2023 12:00 PM	1,778.6	1,758.9	1,767.5
12/21/2023 01:00 PM	1,767.4	1,750.8	1,758.7
12/21/2023 02:00 PM	1,755.0	1,737.1	1,744.7
12/21/2023 03:00 PM	1,744.5	1,725.0	1,734.6
12/21/2023 04:00 PM	1,725.0	0.0	86.2
12/21/2023 05:00 PM	0.0	0.0	0.0
12/21/2023 06:00 PM	0.0	0.0	0.0
12/21/2023 07:00 PM	0.0	0.0	0.0
12/21/2023 08:00 PM	0.0	0.0	0.0
12/21/2023 09:00 PM	0.0	0.0	0.0
12/21/2023 10:00 PM	0.0	0.0	0.0
12/21/2023 11:00 PM	0.0	0.0	0.0
12/22/2023 12:00 AM	0.0	0.0	0.0
12/22/2023 01:00 AM	0.0	0.0	0.0
12/22/2023 02:00 AM	0.0	0.0	0.0
12/22/2023 03:00 AM	0.0	0.0	0.0
12/22/2023 04:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/22/2023 05:00 AM	0.0	0.0	0.0
12/22/2023 06:00 AM	0.0	0.0	0.0
12/22/2023 07:00 AM	0.0	0.0	0.0
12/22/2023 08:00 AM	0.0	0.0	0.0
12/22/2023 09:00 AM	0.0	0.0	0.0
12/22/2023 10:00 AM	0.0	0.0	0.0
12/22/2023 11:00 AM	0.0	0.0	0.0
12/22/2023 12:00 PM	0.0	0.0	0.0
12/22/2023 01:00 PM	0.0	0.0	0.0
12/22/2023 02:00 PM	0.0	0.0	0.0
12/22/2023 03:00 PM	0.0	0.0	0.0
12/22/2023 04:00 PM	0.0	0.0	0.0
12/22/2023 05:00 PM	0.0	0.0	0.0
12/22/2023 06:00 PM	0.0	0.0	0.0
12/22/2023 07:00 PM	0.0	0.0	0.0
12/22/2023 08:00 PM	0.0	0.0	0.0
12/22/2023 09:00 PM	0.0	0.0	0.0
12/22/2023 10:00 PM	0.0	0.0	0.0
12/22/2023 11:00 PM	0.0	0.0	0.0
12/23/2023 12:00 AM	0.0	0.0	0.0
12/23/2023 01:00 AM	0.0	0.0	0.0
12/23/2023 02:00 AM	0.0	0.0	0.0
12/23/2023 03:00 AM	0.0	0.0	0.0
12/23/2023 04:00 AM	0.0	0.0	0.0
12/23/2023 05:00 AM	0.0	0.0	0.0
12/23/2023 06:00 AM	0.0	0.0	0.0
12/23/2023 07:00 AM	0.0	0.0	0.0
12/23/2023 08:00 AM	0.0	0.0	0.0
12/23/2023 09:00 AM	0.0	0.0	0.0
12/23/2023 10:00 AM	0.0	0.0	0.0
12/23/2023 11:00 AM	0.0	0.0	0.0
12/23/2023 12:00 PM	0.0	0.0	0.0
12/23/2023 01:00 PM	0.0	0.0	0.0
12/23/2023 02:00 PM	0.0	0.0	0.0
12/23/2023 03:00 PM	0.0	0.0	0.0
12/23/2023 04:00 PM	0.0	0.0	0.0
12/23/2023 05:00 PM	0.0	0.0	0.0
12/23/2023 06:00 PM	0.0	0.0	0.0
12/23/2023 07:00 PM	0.0	0.0	0.0
12/23/2023 08:00 PM	0.0	0.0	0.0
12/23/2023 09:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/23/2023 10:00 PM	0.0	0.0	0.0
12/23/2023 11:00 PM	0.0	0.0	0.0
12/24/2023 12:00 AM	0.0	0.0	0.0
12/24/2023 01:00 AM	0.0	0.0	0.0
12/24/2023 02:00 AM	0.0	0.0	0.0
12/24/2023 03:00 AM	0.0	0.0	0.0
12/24/2023 04:00 AM	0.0	0.0	0.0
12/24/2023 05:00 AM	0.0	0.0	0.0
12/24/2023 06:00 AM	0.0	0.0	0.0
12/24/2023 07:00 AM	0.0	0.0	0.0
12/24/2023 08:00 AM	0.0	0.0	0.0
12/24/2023 09:00 AM	0.0	0.0	0.0
12/24/2023 10:00 AM	0.0	0.0	0.0
12/24/2023 11:00 AM	0.0	0.0	0.0
12/24/2023 12:00 PM	0.0	0.0	0.0
12/24/2023 01:00 PM	0.0	0.0	0.0
12/24/2023 02:00 PM	0.0	0.0	0.0
12/24/2023 03:00 PM	0.0	0.0	0.0
12/24/2023 04:00 PM	0.0	0.0	0.0
12/24/2023 05:00 PM	0.0	0.0	0.0
12/24/2023 06:00 PM	0.0	0.0	0.0
12/24/2023 07:00 PM	0.0	0.0	0.0
12/24/2023 08:00 PM	0.0	0.0	0.0
12/24/2023 09:00 PM	0.0	0.0	0.0
12/24/2023 10:00 PM	0.0	0.0	0.0
12/24/2023 11:00 PM	0.0	0.0	0.0
12/25/2023 12:00 AM	0.0	0.0	0.0
12/25/2023 01:00 AM	0.0	0.0	0.0
12/25/2023 02:00 AM	0.0	0.0	0.0
12/25/2023 03:00 AM	0.0	0.0	0.0
12/25/2023 04:00 AM	0.0	0.0	0.0
12/25/2023 05:00 AM	0.0	0.0	0.0
12/25/2023 06:00 AM	0.0	0.0	0.0
12/25/2023 07:00 AM	0.0	0.0	0.0
12/25/2023 08:00 AM	0.0	0.0	0.0
12/25/2023 09:00 AM	0.0	0.0	0.0
12/25/2023 10:00 AM	0.0	0.0	0.0
12/25/2023 11:00 AM	0.0	0.0	0.0
12/25/2023 12:00 PM	0.0	0.0	0.0
12/25/2023 01:00 PM	0.0	0.0	0.0
12/25/2023 02:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/25/2023 03:00 PM	0.0	0.0	0.0
12/25/2023 04:00 PM	0.0	0.0	0.0
12/25/2023 05:00 PM	0.0	0.0	0.0
12/25/2023 06:00 PM	0.0	0.0	0.0
12/25/2023 07:00 PM	0.0	0.0	0.0
12/25/2023 08:00 PM	0.0	0.0	0.0
12/25/2023 09:00 PM	0.0	0.0	0.0
12/25/2023 10:00 PM	0.0	0.0	0.0
12/25/2023 11:00 PM	0.0	0.0	0.0
12/26/2023 12:00 AM	0.0	0.0	0.0
12/26/2023 01:00 AM	0.0	0.0	0.0
12/26/2023 02:00 AM	0.0	0.0	0.0
12/26/2023 03:00 AM	0.0	0.0	0.0
12/26/2023 04:00 AM	0.0	0.0	0.0
12/26/2023 05:00 AM	0.0	0.0	0.0
12/26/2023 06:00 AM	0.0	0.0	0.0
12/26/2023 07:00 AM	0.0	0.0	0.0
12/26/2023 08:00 AM	0.0	0.0	0.0
12/26/2023 09:00 AM	0.0	0.0	0.0
12/26/2023 10:00 AM	0.0	0.0	0.0
12/26/2023 11:00 AM	0.0	0.0	0.0
12/26/2023 12:00 PM	0.0	0.0	0.0
12/26/2023 01:00 PM	0.0	0.0	0.0
12/26/2023 02:00 PM	0.0	0.0	0.0
12/26/2023 03:00 PM	0.0	0.0	0.0
12/26/2023 04:00 PM	0.0	0.0	0.0
12/26/2023 05:00 PM	0.0	0.0	0.0
12/26/2023 06:00 PM	0.0	0.0	0.0
12/26/2023 07:00 PM	0.0	0.0	0.0
12/26/2023 08:00 PM	0.0	0.0	0.0
12/26/2023 09:00 PM	0.0	0.0	0.0
12/26/2023 10:00 PM	0.0	0.0	0.0
12/26/2023 11:00 PM	0.0	0.0	0.0
12/27/2023 12:00 AM	0.0	0.0	0.0
12/27/2023 01:00 AM	0.0	0.0	0.0
12/27/2023 02:00 AM	0.0	0.0	0.0
12/27/2023 03:00 AM	0.0	0.0	0.0
12/27/2023 04:00 AM	0.0	0.0	0.0
12/27/2023 05:00 AM	0.0	0.0	0.0
12/27/2023 06:00 AM	0.0	0.0	0.0
12/27/2023 07:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/27/2023 08:00 AM	0.0	0.0	0.0
12/27/2023 09:00 AM	0.0	0.0	0.0
12/27/2023 10:00 AM	0.0	0.0	0.0
12/27/2023 11:00 AM	0.0	0.0	0.0
12/27/2023 12:00 PM	0.0	0.0	0.0
12/27/2023 01:00 PM	0.0	0.0	0.0
12/27/2023 02:00 PM	0.0	0.0	0.0
12/27/2023 03:00 PM	0.0	0.0	0.0
12/27/2023 04:00 PM	0.0	0.0	0.0
12/27/2023 05:00 PM	0.0	0.0	0.0
12/27/2023 06:00 PM	0.0	0.0	0.0
12/27/2023 07:00 PM	0.0	0.0	0.0
12/27/2023 08:00 PM	0.0	0.0	0.0
12/27/2023 09:00 PM	0.0	0.0	0.0
12/27/2023 10:00 PM	0.0	0.0	0.0
12/27/2023 11:00 PM	0.0	0.0	0.0
12/28/2023 12:00 AM	0.0	0.0	0.0
12/28/2023 01:00 AM	0.0	0.0	0.0
12/28/2023 02:00 AM	0.0	0.0	0.0
12/28/2023 03:00 AM	0.0	0.0	0.0
12/28/2023 04:00 AM	0.0	0.0	0.0
12/28/2023 05:00 AM	0.0	0.0	0.0
12/28/2023 06:00 AM	0.0	0.0	0.0
12/28/2023 07:00 AM	0.0	0.0	0.0
12/28/2023 08:00 AM	1,999.1	0.0	1,874.2
12/28/2023 09:00 AM	1,951.3	1,827.0	1,880.1
12/28/2023 10:00 AM	1,831.2	1,806.5	1,816.7
12/28/2023 11:00 AM	1,809.0	1,795.0	1,800.8
12/28/2023 12:00 PM	1,801.9	1,780.6	1,791.1
12/28/2023 01:00 PM	1,796.6	1,767.8	1,784.6
12/28/2023 02:00 PM	1,778.2	1,752.0	1,763.9
12/28/2023 03:00 PM	1,754.7	1,737.8	1,748.2
12/28/2023 04:00 PM	1,744.6	0.0	87.2
12/28/2023 05:00 PM	0.0	0.0	0.0
12/28/2023 06:00 PM	0.0	0.0	0.0
12/28/2023 07:00 PM	0.0	0.0	0.0
12/28/2023 08:00 PM	0.0	0.0	0.0
12/28/2023 09:00 PM	0.0	0.0	0.0
12/28/2023 10:00 PM	0.0	0.0	0.0
12/28/2023 11:00 PM	0.0	0.0	0.0
12/29/2023 12:00 AM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/29/2023 01:00 AM	0.0	0.0	0.0
12/29/2023 02:00 AM	0.0	0.0	0.0
12/29/2023 03:00 AM	0.0	0.0	0.0
12/29/2023 04:00 AM	0.0	0.0	0.0
12/29/2023 05:00 AM	0.0	0.0	0.0
12/29/2023 06:00 AM	0.0	0.0	0.0
12/29/2023 07:00 AM	0.0	0.0	0.0
12/29/2023 08:00 AM	0.0	0.0	0.0
12/29/2023 09:00 AM	0.0	0.0	0.0
12/29/2023 10:00 AM	0.0	0.0	0.0
12/29/2023 11:00 AM	0.0	0.0	0.0
12/29/2023 12:00 PM	0.0	0.0	0.0
12/29/2023 01:00 PM	0.0	0.0	0.0
12/29/2023 02:00 PM	0.0	0.0	0.0
12/29/2023 03:00 PM	0.0	0.0	0.0
12/29/2023 04:00 PM	0.0	0.0	0.0
12/29/2023 05:00 PM	0.0	0.0	0.0
12/29/2023 06:00 PM	0.0	0.0	0.0
12/29/2023 07:00 PM	0.0	0.0	0.0
12/29/2023 08:00 PM	0.0	0.0	0.0
12/29/2023 09:00 PM	0.0	0.0	0.0
12/29/2023 10:00 PM	0.0	0.0	0.0
12/29/2023 11:00 PM	0.0	0.0	0.0
12/30/2023 12:00 AM	0.0	0.0	0.0
12/30/2023 01:00 AM	0.0	0.0	0.0
12/30/2023 02:00 AM	0.0	0.0	0.0
12/30/2023 03:00 AM	0.0	0.0	0.0
12/30/2023 04:00 AM	0.0	0.0	0.0
12/30/2023 05:00 AM	0.0	0.0	0.0
12/30/2023 06:00 AM	0.0	0.0	0.0
12/30/2023 07:00 AM	0.0	0.0	0.0
12/30/2023 08:00 AM	0.0	0.0	0.0
12/30/2023 09:00 AM	0.0	0.0	0.0
12/30/2023 10:00 AM	0.0	0.0	0.0
12/30/2023 11:00 AM	0.0	0.0	0.0
12/30/2023 12:00 PM	0.0	0.0	0.0
12/30/2023 01:00 PM	0.0	0.0	0.0
12/30/2023 02:00 PM	0.0	0.0	0.0
12/30/2023 03:00 PM	0.0	0.0	0.0
12/30/2023 04:00 PM	0.0	0.0	0.0
12/30/2023 05:00 PM	0.0	0.0	0.0

Well 18
Hourly Conductivity Data (µS/cm)
December 2023

Date	Max	Min	Avg
Date	Max	Min	Avg
12/30/2023 06:00 PM	0.0	0.0	0.0
12/30/2023 07:00 PM	0.0	0.0	0.0
12/30/2023 08:00 PM	0.0	0.0	0.0
12/30/2023 09:00 PM	0.0	0.0	0.0
12/30/2023 10:00 PM	0.0	0.0	0.0
12/30/2023 11:00 PM	0.0	0.0	0.0
12/31/2023 12:00 AM	0.0	0.0	0.0
12/31/2023 01:00 AM	0.0	0.0	0.0
12/31/2023 02:00 AM	0.0	0.0	0.0
12/31/2023 03:00 AM	0.0	0.0	0.0
12/31/2023 04:00 AM	0.0	0.0	0.0
12/31/2023 05:00 AM	0.0	0.0	0.0
12/31/2023 06:00 AM	0.0	0.0	0.0
12/31/2023 07:00 AM	0.0	0.0	0.0
12/31/2023 08:00 AM	0.0	0.0	0.0
12/31/2023 09:00 AM	0.0	0.0	0.0
12/31/2023 10:00 AM	0.0	0.0	0.0
12/31/2023 11:00 AM	0.0	0.0	0.0
12/31/2023 12:00 PM	0.0	0.0	0.0
12/31/2023 01:00 PM	0.0	0.0	0.0
12/31/2023 02:00 PM	0.0	0.0	0.0
12/31/2023 03:00 PM	0.0	0.0	0.0
12/31/2023 04:00 PM	0.0	0.0	0.0
12/31/2023 05:00 PM	0.0	0.0	0.0
12/31/2023 06:00 PM	0.0	0.0	0.0
12/31/2023 07:00 PM	0.0	0.0	0.0
12/31/2023 08:00 PM	0.0	0.0	0.0
12/31/2023 09:00 PM	0.0	0.0	0.0
12/31/2023 10:00 PM	0.0	0.0	0.0
12/31/2023 11:00 PM	0.0	0.0	0.0

Appendix E

Laboratory Reports for Remediation System Sampling

DBS&A
a Geo-Logic Company

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

February 03, 2023

Luis Guerra

City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2301A00

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 4 sample(s) on 1/26/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230124
Project: Joint Superfund Project Monthly Analysi
Collection Date: 1/24/2023 9:07:00 AM
Lab ID: 2301A00-001
Matrix: DRINKING W
Received Date: 1/26/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Toluene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Ethylbenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Naphthalene	ND	2.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1-Methylnaphthalene	ND	4.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
2-Methylnaphthalene	ND	4.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Acetone	ND	10		µg/L	1	1/30/2023 7:53:08 PM	R94286
Bromobenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Bromodichloromethane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Bromoform	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Bromomethane	ND	3.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
2-Butanone	ND	10		µg/L	1	1/30/2023 7:53:08 PM	R94286
Carbon disulfide	ND	10		µg/L	1	1/30/2023 7:53:08 PM	R94286
Carbon Tetrachloride	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Chlorobenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Chloroethane	ND	2.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Chloroform	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Chloromethane	ND	3.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
2-Chlorotoluene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
4-Chlorotoluene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
cis-1,2-DCE	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Dibromochloromethane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Dibromomethane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,1-Dichloroethane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,1-Dichloroethene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,2-Dichloropropane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,3-Dichloropropane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
2,2-Dichloropropane	ND	2.0		µg/L	1	1/30/2023 7:53:08 PM	R94286

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

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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Hexachlorobutadiene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
2-Hexanone	ND	10		µg/L	1	1/30/2023 7:53:08 PM	R94286
Isopropylbenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
4-Isopropyltoluene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
4-Methyl-2-pentanone	ND	10		µg/L	1	1/30/2023 7:53:08 PM	R94286
Methylene Chloride	ND	3.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
n-Butylbenzene	ND	3.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
n-Propylbenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
sec-Butylbenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Styrene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
tert-Butylbenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Tetrachloroethene (PCE)	2.5	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
trans-1,2-DCE	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Trichlorofluoromethane	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Vinyl chloride	ND	1.0		µg/L	1	1/30/2023 7:53:08 PM	R94286
Xylenes, Total	ND	1.5		µg/L	1	1/30/2023 7:53:08 PM	R94286
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	1/30/2023 7:53:08 PM	R94286
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	1/30/2023 7:53:08 PM	R94286
Surr: Dibromofluoromethane	111	70-130		%Rec	1	1/30/2023 7:53:08 PM	R94286
Surr: Toluene-d8	96.6	70-130		%Rec	1	1/30/2023 7:53:08 PM	R94286

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Client Sample ID: CLC IS1-230124
Project: Joint Superfund Project Monthly Analysi
Collection Date: 1/24/2023 9:11:00 AM
Lab ID: 2301A00-002
Matrix: DRINKING W
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1,1-Dichloroethane	ND	1.0		µg/L	1	1/30/2023 9:14:35 PM	R94286
1,1-Dichloroethene	ND	1.0		µg/L	1	1/30/2023 9:14:35 PM	R94286
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4-Isopropyltoluene	ND	1.0		µg/L	1	1/30/2023 9:14:35 PM	R94286
4-Methyl-2-pentanone	ND	10		µg/L	1	1/30/2023 9:14:35 PM	R94286
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trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/30/2023 9:14:35 PM	R94286
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Vinyl chloride	ND	1.0		µg/L	1	1/30/2023 9:14:35 PM	R94286
Xylenes, Total	ND	1.5		µg/L	1	1/30/2023 9:14:35 PM	R94286
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Surr: Dibromofluoromethane	108	70-130		%Rec	1	1/30/2023 9:14:35 PM	R94286
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cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Dibromochloromethane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Dibromomethane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,1-Dichloroethane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,1-Dichloroethene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,2-Dichloropropane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,3-Dichloropropane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
2,2-Dichloropropane	ND	2.0		µg/L	1	1/30/2023 9:41:40 PM	R94286

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-230124 (DUP)
Project: Joint Superfund Project Monthly Analysi
Collection Date: 1/24/2023 9:13:00 AM
Lab ID: 2301A00-003
Matrix: DRINKING W
Received Date: 1/26/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Hexachlorobutadiene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
2-Hexanone	ND	10		µg/L	1	1/30/2023 9:41:40 PM	R94286
Isopropylbenzene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
4-Isopropyltoluene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
4-Methyl-2-pentanone	ND	10		µg/L	1	1/30/2023 9:41:40 PM	R94286
Methylene Chloride	ND	3.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
n-Butylbenzene	ND	3.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
n-Propylbenzene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
sec-Butylbenzene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Styrene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
tert-Butylbenzene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Tetrachloroethene (PCE)	1.5	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
trans-1,2-DCE	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Trichlorofluoromethane	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Vinyl chloride	ND	1.0		µg/L	1	1/30/2023 9:41:40 PM	R94286
Xylenes, Total	ND	1.5		µg/L	1	1/30/2023 9:41:40 PM	R94286
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	1/30/2023 9:41:40 PM	R94286
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	1/30/2023 9:41:40 PM	R94286
Surr: Dibromofluoromethane	111	70-130		%Rec	1	1/30/2023 9:41:40 PM	R94286
Surr: Toluene-d8	93.8	70-130		%Rec	1	1/30/2023 9:41:40 PM	R94286

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-230124
Project: Joint Superfund Project Monthly Analysi
Collection Date: 1/24/2023 9:16:00 AM
Lab ID: 2301A00-004
Matrix: DRINKING W
Received Date: 1/26/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Toluene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Ethylbenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Naphthalene	ND	2.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1-Methylnaphthalene	ND	4.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
2-Methylnaphthalene	ND	4.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Acetone	ND	10		µg/L	1	2/1/2023 11:37:54 AM	R94339
Bromobenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Bromodichloromethane	3.4	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Bromoform	34	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Bromomethane	ND	3.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
2-Butanone	ND	10		µg/L	1	2/1/2023 11:37:54 AM	R94339
Carbon disulfide	ND	10		µg/L	1	2/1/2023 11:37:54 AM	R94339
Carbon Tetrachloride	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Chlorobenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Chloroethane	ND	2.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Chloroform	1.1	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Chloromethane	ND	3.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
2-Chlorotoluene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
4-Chlorotoluene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
cis-1,2-DCE	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Dibromochloromethane	11	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Dibromomethane	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,1-Dichloroethane	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,1-Dichloroethene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,2-Dichloropropane	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,3-Dichloropropane	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
2,2-Dichloropropane	ND	2.0		µg/L	1	2/1/2023 11:37:54 AM	R94339

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-230124
Project: Joint Superfund Project Monthly Analysi
Collection Date: 1/24/2023 9:16:00 AM
Lab ID: 2301A00-004
Matrix: DRINKING W
Received Date: 1/26/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Hexachlorobutadiene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
2-Hexanone	ND	10		µg/L	1	2/1/2023 11:37:54 AM	R94339
Isopropylbenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
4-Isopropyltoluene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
4-Methyl-2-pentanone	ND	10		µg/L	1	2/1/2023 11:37:54 AM	R94339
Methylene Chloride	ND	3.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
n-Butylbenzene	ND	3.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
n-Propylbenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
sec-Butylbenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Styrene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
tert-Butylbenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
trans-1,2-DCE	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Trichlorofluoromethane	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Vinyl chloride	ND	1.0		µg/L	1	2/1/2023 11:37:54 AM	R94339
Xylenes, Total	ND	1.5		µg/L	1	2/1/2023 11:37:54 AM	R94339
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	2/1/2023 11:37:54 AM	R94339
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/1/2023 11:37:54 AM	R94339
Surr: Dibromofluoromethane	106	70-130		%Rec	1	2/1/2023 11:37:54 AM	R94339
Surr: Toluene-d8	101	70-130		%Rec	1	2/1/2023 11:37:54 AM	R94339

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A00**

03-Feb-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R94286**	RunNo: **94286**
Prep Date:	Analysis Date: **1/30/2023**	SeqNo: **3405468** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	94.9	70	130			
Toluene	19	1.0	20.00	0	96.5	70	130			
Chlorobenzene	20	1.0	20.00	0	98.7	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	95.2	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	96.7	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.8	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.6		10.00		95.9	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R94286**	RunNo: **94286**
Prep Date:	Analysis Date: **1/30/2023**	SeqNo: **3405501** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A00**

03-Feb-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R94286**	RunNo: **94286**
Prep Date:	Analysis Date: **1/30/2023**	SeqNo: **3405501** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A00**

03-Feb-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R94286**	RunNo: **94286**
Prep Date:	Analysis Date: **1/30/2023**	SeqNo: **3405501** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.6		10.00		95.7	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R94339**	RunNo: **94339**
Prep Date:	Analysis Date: **2/1/2023**	SeqNo: **3407663** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.9	70	130			
Toluene	22	1.0	20.00	0	108	70	130			
Chlorobenzene	21	1.0	20.00	0	106	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	99.6	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	106	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		95.0	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R94339**	RunNo: **94339**
Prep Date:	Analysis Date: **2/1/2023**	SeqNo: **3407685** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A00**

03-Feb-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R94339**	RunNo: **94339**
Prep Date:	Analysis Date: **2/1/2023**	SeqNo: **3407685** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A00**

03-Feb-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R94339**	RunNo: **94339**
Prep Date:	Analysis Date: **2/1/2023**	SeqNo: **3407685** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		114	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		112	70	130			
Surr: Dibromofluoromethane	11		10.00		110	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **City of Las Cruces** Work Order Number: **2301A00** RcptNo: **1**

Received By: **Joseph Alderette** **1/26/2023 8:30:00 AM**

Completed By: **Desiree Dominguez** **1/26/2023 10:16:26 AM**

Reviewed By: 1-26-23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JN 1/26/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Not Present	Morty		

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces, NM 88004
Phone #: 575-528-3609
email or Fax#: lguerra@las-cruces.org
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: Joint Superfund Project
Monthly Analysis
Project #:
CLC Jsp Griggs Walnut
Project Manager:
Luis Guerra (575) 528-3609
Sampler: G. Dominguez
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp (including CF): 1.9 - 0 = 1.9 (°C) marty

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2301A00	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1/24/23	0901	Drinking Water	CLC 18-230124	3-40 mL Vials	HgCl2	-001								X		
"	0911	"	CLC IS1-230124	"	"	-002								X		
"	0913	"	CLC IS1-230124 (Dup)	"	"	-003								X		
1/24/23	0916	Drinking Water	CLC ES1-230124	3-40 mL Vials	HgCl2	-004								X		
~~1/25/23~~	(emn)	Drinking Water	CLC 27-230125	3-40 mL Vials	HgCl2	(emn)								X	(emn)	

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1/25/23	(emn) 13:1500			Fedex	1-26-23	8:30
(emn) Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results to:
Luis Guerra : lguerra@las-cruces.org
Send invoice to: CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 01, 2023

Luis Guerra

City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2302972

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 7 sample(s) on 2/22/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:06:00 AM
Lab ID: 2302972-001
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Toluene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Ethylbenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Naphthalene	ND	2.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
2-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Acetone	ND	10		µg/L	1	2/27/2023 5:51:38 PM	R94898
Bromobenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Bromodichloromethane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Bromoform	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Bromomethane	ND	3.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
2-Butanone	ND	10		µg/L	1	2/27/2023 5:51:38 PM	R94898
Carbon disulfide	ND	10		µg/L	1	2/27/2023 5:51:38 PM	R94898
Carbon Tetrachloride	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Chlorobenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Chloroethane	ND	2.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Chloroform	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Chloromethane	ND	3.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
2-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
4-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
cis-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Dibromochloromethane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Dibromomethane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,1-Dichloroethane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,1-Dichloroethene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,2-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,3-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
2,2-Dichloropropane	ND	2.0		µg/L	1	2/27/2023 5:51:38 PM	R94898

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:06:00 AM
Lab ID: 2302972-001
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Hexachlorobutadiene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
2-Hexanone	ND	10		µg/L	1	2/27/2023 5:51:38 PM	R94898
Isopropylbenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
4-Isopropyltoluene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
4-Methyl-2-pentanone	ND	10		µg/L	1	2/27/2023 5:51:38 PM	R94898
Methylene Chloride	ND	3.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
n-Butylbenzene	ND	3.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
n-Propylbenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
sec-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Styrene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
tert-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Tetrachloroethene (PCE)	3.4	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
trans-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Trichlorofluoromethane	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Vinyl chloride	ND	1.0		µg/L	1	2/27/2023 5:51:38 PM	R94898
Xylenes, Total	ND	1.5		µg/L	1	2/27/2023 5:51:38 PM	R94898
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	1	2/27/2023 5:51:38 PM	R94898
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/27/2023 5:51:38 PM	R94898
Surr: Dibromofluoromethane	112	70-130		%Rec	1	2/27/2023 5:51:38 PM	R94898
Surr: Toluene-d8	98.9	70-130		%Rec	1	2/27/2023 5:51:38 PM	R94898

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:39:00 AM
Lab ID: 2302972-002
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Toluene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Ethylbenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Naphthalene	ND	2.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
2-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Acetone	ND	10		µg/L	1	2/27/2023 6:18:51 PM	R94898
Bromobenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Bromodichloromethane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Bromoform	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Bromomethane	ND	3.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
2-Butanone	ND	10		µg/L	1	2/27/2023 6:18:51 PM	R94898
Carbon disulfide	ND	10		µg/L	1	2/27/2023 6:18:51 PM	R94898
Carbon Tetrachloride	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Chlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Chloroethane	ND	2.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Chloroform	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Chloromethane	ND	3.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
2-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
4-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
cis-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Dibromochloromethane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Dibromomethane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,1-Dichloroethane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,1-Dichloroethene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,2-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,3-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
2,2-Dichloropropane	ND	2.0		µg/L	1	2/27/2023 6:18:51 PM	R94898

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:39:00 AM
Lab ID: 2302972-002
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Hexachlorobutadiene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
2-Hexanone	ND	10		µg/L	1	2/27/2023 6:18:51 PM	R94898
Isopropylbenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
4-Isopropyltoluene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
4-Methyl-2-pentanone	ND	10		µg/L	1	2/27/2023 6:18:51 PM	R94898
Methylene Chloride	ND	3.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
n-Butylbenzene	ND	3.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
n-Propylbenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
sec-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Styrene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
tert-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Tetrachloroethene (PCE)	16	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
trans-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Trichlorofluoromethane	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Vinyl chloride	ND	1.0		µg/L	1	2/27/2023 6:18:51 PM	R94898
Xylenes, Total	ND	1.5		µg/L	1	2/27/2023 6:18:51 PM	R94898
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	2/27/2023 6:18:51 PM	R94898
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	2/27/2023 6:18:51 PM	R94898
Surr: Dibromofluoromethane	114	70-130		%Rec	1	2/27/2023 6:18:51 PM	R94898
Surr: Toluene-d8	99.2	70-130		%Rec	1	2/27/2023 6:18:51 PM	R94898

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:21:00 AM
Lab ID: 2302972-003
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Toluene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Ethylbenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Naphthalene	ND	2.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
2-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Acetone	ND	10		µg/L	1	2/27/2023 6:46:09 PM	R94898
Bromobenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Bromodichloromethane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Bromoform	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Bromomethane	ND	3.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
2-Butanone	ND	10		µg/L	1	2/27/2023 6:46:09 PM	R94898
Carbon disulfide	ND	10		µg/L	1	2/27/2023 6:46:09 PM	R94898
Carbon Tetrachloride	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Chlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Chloroethane	ND	2.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Chloroform	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Chloromethane	ND	3.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
2-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
4-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
cis-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Dibromochloromethane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Dibromomethane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,1-Dichloroethane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,1-Dichloroethene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,2-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,3-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
2,2-Dichloropropane	ND	2.0		µg/L	1	2/27/2023 6:46:09 PM	R94898

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:21:00 AM
Lab ID: 2302972-003
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Hexachlorobutadiene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
2-Hexanone	ND	10		µg/L	1	2/27/2023 6:46:09 PM	R94898
Isopropylbenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
4-Isopropyltoluene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
4-Methyl-2-pentanone	ND	10		µg/L	1	2/27/2023 6:46:09 PM	R94898
Methylene Chloride	ND	3.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
n-Butylbenzene	ND	3.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
n-Propylbenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
sec-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Styrene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
tert-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Tetrachloroethene (PCE)	12	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
trans-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Trichlorofluoromethane	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Vinyl chloride	ND	1.0		µg/L	1	2/27/2023 6:46:09 PM	R94898
Xylenes, Total	ND	1.5		µg/L	1	2/27/2023 6:46:09 PM	R94898
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	1	2/27/2023 6:46:09 PM	R94898
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	2/27/2023 6:46:09 PM	R94898
Surr: Dibromofluoromethane	109	70-130		%Rec	1	2/27/2023 6:46:09 PM	R94898
Surr: Toluene-d8	102	70-130		%Rec	1	2/27/2023 6:46:09 PM	R94898

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C1-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:24:00 AM
Lab ID: 2302972-004
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Toluene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Ethylbenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Naphthalene	ND	2.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
2-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Acetone	ND	10		µg/L	1	2/27/2023 7:13:24 PM	R94898
Bromobenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Bromodichloromethane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Bromoform	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Bromomethane	ND	3.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
2-Butanone	ND	10		µg/L	1	2/27/2023 7:13:24 PM	R94898
Carbon disulfide	ND	10		µg/L	1	2/27/2023 7:13:24 PM	R94898
Carbon Tetrachloride	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Chlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Chloroethane	ND	2.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Chloroform	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Chloromethane	ND	3.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
2-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
4-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
cis-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Dibromochloromethane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Dibromomethane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,1-Dichloroethane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,1-Dichloroethene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,2-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,3-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
2,2-Dichloropropane	ND	2.0		µg/L	1	2/27/2023 7:13:24 PM	R94898

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C1-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:24:00 AM
Lab ID: 2302972-004
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Hexachlorobutadiene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
2-Hexanone	ND	10		µg/L	1	2/27/2023 7:13:24 PM	R94898
Isopropylbenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
4-Isopropyltoluene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
4-Methyl-2-pentanone	ND	10		µg/L	1	2/27/2023 7:13:24 PM	R94898
Methylene Chloride	ND	3.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
n-Butylbenzene	ND	3.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
n-Propylbenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
sec-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Styrene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
tert-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
trans-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Trichlorofluoromethane	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Vinyl chloride	ND	1.0		µg/L	1	2/27/2023 7:13:24 PM	R94898
Xylenes, Total	ND	1.5		µg/L	1	2/27/2023 7:13:24 PM	R94898
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	2/27/2023 7:13:24 PM	R94898
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	2/27/2023 7:13:24 PM	R94898
Surr: Dibromofluoromethane	113	70-130		%Rec	1	2/27/2023 7:13:24 PM	R94898
Surr: Toluene-d8	99.3	70-130		%Rec	1	2/27/2023 7:13:24 PM	R94898

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C2-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:26:00 AM
Lab ID: 2302972-005
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Toluene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Ethylbenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Naphthalene	ND	2.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
2-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Acetone	ND	10		µg/L	1	2/27/2023 7:40:40 PM	R94898
Bromobenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Bromodichloromethane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Bromoform	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Bromomethane	ND	3.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
2-Butanone	ND	10		µg/L	1	2/27/2023 7:40:40 PM	R94898
Carbon disulfide	ND	10		µg/L	1	2/27/2023 7:40:40 PM	R94898
Carbon Tetrachloride	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Chlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Chloroethane	ND	2.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Chloroform	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Chloromethane	ND	3.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
2-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
4-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
cis-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Dibromochloromethane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Dibromomethane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,1-Dichloroethane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,1-Dichloroethene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,2-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,3-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
2,2-Dichloropropane	ND	2.0		µg/L	1	2/27/2023 7:40:40 PM	R94898

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Qualifiers:

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Project: Joint Superfund Project Monthly Analysi
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Lab ID: 2302972-005
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Hexachlorobutadiene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
2-Hexanone	ND	10		µg/L	1	2/27/2023 7:40:40 PM	R94898
Isopropylbenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
4-Isopropyltoluene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
4-Methyl-2-pentanone	ND	10		µg/L	1	2/27/2023 7:40:40 PM	R94898
Methylene Chloride	ND	3.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
n-Butylbenzene	ND	3.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
n-Propylbenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
sec-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Styrene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
tert-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
trans-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Trichlorofluoromethane	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Vinyl chloride	ND	1.0		µg/L	1	2/27/2023 7:40:40 PM	R94898
Xylenes, Total	ND	1.5		µg/L	1	2/27/2023 7:40:40 PM	R94898
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	2/27/2023 7:40:40 PM	R94898
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	2/27/2023 7:40:40 PM	R94898
Surr: Dibromofluoromethane	109	70-130		%Rec	1	2/27/2023 7:40:40 PM	R94898
Surr: Toluene-d8	99.8	70-130		%Rec	1	2/27/2023 7:40:40 PM	R94898

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C2-230221 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:27:00 AM
Lab ID: 2302972-006
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Toluene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Ethylbenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Naphthalene	ND	2.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
2-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Acetone	ND	10		µg/L	1	2/27/2023 8:07:56 PM	R94898
Bromobenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Bromodichloromethane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Bromoform	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Bromomethane	ND	3.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
2-Butanone	ND	10		µg/L	1	2/27/2023 8:07:56 PM	R94898
Carbon disulfide	ND	10		µg/L	1	2/27/2023 8:07:56 PM	R94898
Carbon Tetrachloride	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Chlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Chloroethane	ND	2.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Chloroform	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Chloromethane	ND	3.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
2-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
4-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
cis-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Dibromochloromethane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Dibromomethane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,1-Dichloroethane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,1-Dichloroethene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,2-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,3-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
2,2-Dichloropropane	ND	2.0		µg/L	1	2/27/2023 8:07:56 PM	R94898

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Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
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2-Hexanone	ND	10		µg/L	1	2/27/2023 8:07:56 PM	R94898
Isopropylbenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
4-Isopropyltoluene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
4-Methyl-2-pentanone	ND	10		µg/L	1	2/27/2023 8:07:56 PM	R94898
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n-Propylbenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
sec-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Styrene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
tert-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
trans-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Trichlorofluoromethane	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Vinyl chloride	ND	1.0		µg/L	1	2/27/2023 8:07:56 PM	R94898
Xylenes, Total	ND	1.5		µg/L	1	2/27/2023 8:07:56 PM	R94898
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	2/27/2023 8:07:56 PM	R94898
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/27/2023 8:07:56 PM	R94898
Surr: Dibromofluoromethane	115	70-130		%Rec	1	2/27/2023 8:07:56 PM	R94898
Surr: Toluene-d8	103	70-130		%Rec	1	2/27/2023 8:07:56 PM	R94898

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Client Sample ID: CLC ES1-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:28:00 AM
Lab ID: 2302972-007
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Toluene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Ethylbenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Naphthalene	ND	2.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
2-Methylnaphthalene	ND	4.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Acetone	ND	10		µg/L	1	2/27/2023 8:35:11 PM	R94898
Bromobenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Bromodichloromethane	3.8	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Bromoform	3.8	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Bromomethane	ND	3.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
2-Butanone	ND	10		µg/L	1	2/27/2023 8:35:11 PM	R94898
Carbon disulfide	ND	10		µg/L	1	2/27/2023 8:35:11 PM	R94898
Carbon Tetrachloride	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Chlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Chloroethane	ND	2.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Chloroform	2.5	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Chloromethane	ND	3.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
2-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
4-Chlorotoluene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
cis-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Dibromochloromethane	5.7	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Dibromomethane	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,1-Dichloroethane	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,1-Dichloroethene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,2-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,3-Dichloropropane	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
2,2-Dichloropropane	ND	2.0		µg/L	1	2/27/2023 8:35:11 PM	R94898

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:28:00 AM
Lab ID: 2302972-007
Matrix: DRINKING W
Received Date: 2/22/2023 8:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Hexachlorobutadiene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
2-Hexanone	ND	10		µg/L	1	2/27/2023 8:35:11 PM	R94898
Isopropylbenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
4-Isopropyltoluene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
4-Methyl-2-pentanone	ND	10		µg/L	1	2/27/2023 8:35:11 PM	R94898
Methylene Chloride	ND	3.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
n-Butylbenzene	ND	3.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
n-Propylbenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
sec-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Styrene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
tert-Butylbenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
trans-1,2-DCE	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Trichlorofluoromethane	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Vinyl chloride	ND	1.0		µg/L	1	2/27/2023 8:35:11 PM	R94898
Xylenes, Total	ND	1.5		µg/L	1	2/27/2023 8:35:11 PM	R94898
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	2/27/2023 8:35:11 PM	R94898
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/27/2023 8:35:11 PM	R94898
Surr: Dibromofluoromethane	105	70-130		%Rec	1	2/27/2023 8:35:11 PM	R94898
Surr: Toluene-d8	99.7	70-130		%Rec	1	2/27/2023 8:35:11 PM	R94898

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302972**

01-Mar-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R94898**	RunNo: **94898**
Prep Date:	Analysis Date: **2/27/2023**	SeqNo: **3430409** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	97.2	70	130			
Toluene	20	1.0	20.00	0	99.3	70	130			
Chlorobenzene	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	17	1.0	20.00	0	87.2	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	9.3		10.00		93.3	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		111	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.9		10.00		98.8	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R94898**	RunNo: **94898**
Prep Date:	Analysis Date: **2/27/2023**	SeqNo: **3430448** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302972**

01-Mar-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R94898**	RunNo: **94898**
Prep Date:	Analysis Date: **2/27/2023**	SeqNo: **3430448** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302972**

01-Mar-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R94898**	RunNo: **94898**
Prep Date:	Analysis Date: **2/27/2023**	SeqNo: **3430448** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces | Work Order Number: 2302972 | RcptNo: 1

Received By: Juan Rojas 2/22/2023 8:52:00 AM

Completed By: Tracy Casarrubias 2/22/2023 12:10:10 PM

Reviewed By: JR 2/22/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: KRA 2.22.23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks: Samples 001, 005 and 007 are missing One Voa due to it being brocken - KRA 2.22.23

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Not Present	Yogi		

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces, NM 88004
Phone #: 575-528-3609
email or Fax#: lguerra@las-cruces.org
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: Joint Superfund Project
Monthly Analysis
Project #:
OC JSP Griggs Walnut
Project Manager:
Luis Guerra: (575) 528-3609
Sampler: Yadira Reyna
On Ice: ☒ Yes ☐ No
# of Coolers: 1 (Cool)
Cooler Temp (including CF): 1.0+0.1=1.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2302972
2/21/23	0906	Drinking water	CLC 18 - 230221	3-40mL Vials	HgCl2	001
	0939		CLC 17 - 230221			002
	0931		CLC ISI - 230221			003
	0904		CLC C1 - 230221			004
	0916		CLC C7 - 230221			005
	0927		CLC C2 - 230221 (Dup)			006
2/21/23	0938	Drinking water	CLC ESI - 230221	3-40mL Vials	HgCl2	007

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
							X		
							X		
							X		
							X		
							X		
							X		
							X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2/21/23	1500	Yadira Reyna		FedEx	2/22/23	8:15
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results to:
Luis Guerra: lguerra@las-cruces.org
Send Invoice to: CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

February 28, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2302973

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/22/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:29:00 AM
Lab ID: 2302973-001 **Matrix:** AIR
Received Date: 2/22/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Toluene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Ethylbenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Naphthalene	ND	0.20		µg/L	1	2/23/2023 4:56:00 PM	R94860
1-Methylnaphthalene	ND	0.40		µg/L	1	2/23/2023 4:56:00 PM	R94860
2-Methylnaphthalene	ND	0.40		µg/L	1	2/23/2023 4:56:00 PM	R94860
Acetone	ND	1.0		µg/L	1	2/23/2023 4:56:00 PM	R94860
Bromobenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Bromodichloromethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Bromoform	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Bromomethane	ND	0.20		µg/L	1	2/23/2023 4:56:00 PM	R94860
2-Butanone	ND	1.0		µg/L	1	2/23/2023 4:56:00 PM	R94860
Carbon disulfide	ND	1.0		µg/L	1	2/23/2023 4:56:00 PM	R94860
Carbon tetrachloride	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Chlorobenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Chloroethane	ND	0.20		µg/L	1	2/23/2023 4:56:00 PM	R94860
Chloroform	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Chloromethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
2-Chlorotoluene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
4-Chlorotoluene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
cis-1,2-DCE	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	2/23/2023 4:56:00 PM	R94860
Dibromochloromethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Dibromomethane	ND	0.20		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,2-Dichlorobenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,3-Dichlorobenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,4-Dichlorobenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Dichlorodifluoromethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,1-Dichloroethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,1-Dichloroethene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,2-Dichloropropane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,3-Dichloropropane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
2,2-Dichloropropane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:29:00 AM
Lab ID: 2302973-001 **Matrix:** AIR
Received Date: 2/22/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Hexachlorobutadiene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
2-Hexanone	ND	1.0		µg/L	1	2/23/2023 4:56:00 PM	R94860
Isopropylbenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
4-Isopropyltoluene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
4-Methyl-2-pentanone	ND	1.0		µg/L	1	2/23/2023 4:56:00 PM	R94860
Methylene chloride	ND	0.30		µg/L	1	2/23/2023 4:56:00 PM	R94860
n-Butylbenzene	ND	0.30		µg/L	1	2/23/2023 4:56:00 PM	R94860
n-Propylbenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
sec-Butylbenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Styrene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
tert-Butylbenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Tetrachloroethene (PCE)	0.16	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
trans-1,2-DCE	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,1,1-Trichloroethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,1,2-Trichloroethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Trichloroethene (TCE)	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Trichlorofluoromethane	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
1,2,3-Trichloropropane	ND	0.20		µg/L	1	2/23/2023 4:56:00 PM	R94860
Vinyl chloride	ND	0.10		µg/L	1	2/23/2023 4:56:00 PM	R94860
Xylenes, Total	ND	0.15		µg/L	1	2/23/2023 4:56:00 PM	R94860
Surr: Dibromofluoromethane	92.0	70-130		%Rec	1	2/23/2023 4:56:00 PM	R94860
Surr: 1,2-Dichloroethane-d4	83.2	70-130		%Rec	1	2/23/2023 4:56:00 PM	R94860
Surr: Toluene-d8	94.4	70-130		%Rec	1	2/23/2023 4:56:00 PM	R94860
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/23/2023 4:56:00 PM	R94860

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230221 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:29:00 AM
Lab ID: 2302973-002 **Matrix:** AIR
Received Date: 2/22/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Toluene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Ethylbenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Naphthalene	ND	0.20		µg/L	1	2/23/2023 5:20:00 PM	R94860
1-Methylnaphthalene	ND	0.40		µg/L	1	2/23/2023 5:20:00 PM	R94860
2-Methylnaphthalene	ND	0.40		µg/L	1	2/23/2023 5:20:00 PM	R94860
Acetone	ND	1.0		µg/L	1	2/23/2023 5:20:00 PM	R94860
Bromobenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Bromodichloromethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Bromoform	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Bromomethane	ND	0.20		µg/L	1	2/23/2023 5:20:00 PM	R94860
2-Butanone	ND	1.0		µg/L	1	2/23/2023 5:20:00 PM	R94860
Carbon disulfide	ND	1.0		µg/L	1	2/23/2023 5:20:00 PM	R94860
Carbon tetrachloride	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Chlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Chloroethane	ND	0.20		µg/L	1	2/23/2023 5:20:00 PM	R94860
Chloroform	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Chloromethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
2-Chlorotoluene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
4-Chlorotoluene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
cis-1,2-DCE	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	2/23/2023 5:20:00 PM	R94860
Dibromochloromethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Dibromomethane	ND	0.20		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,2-Dichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,3-Dichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,4-Dichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Dichlorodifluoromethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,1-Dichloroethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,1-Dichloroethene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,2-Dichloropropane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,3-Dichloropropane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
2,2-Dichloropropane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230221 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:29:00 AM
Lab ID: 2302973-002 **Matrix:** AIR
Received Date: 2/22/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Hexachlorobutadiene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
2-Hexanone	ND	1.0		µg/L	1	2/23/2023 5:20:00 PM	R94860
Isopropylbenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
4-Isopropyltoluene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
4-Methyl-2-pentanone	ND	1.0		µg/L	1	2/23/2023 5:20:00 PM	R94860
Methylene chloride	ND	0.30		µg/L	1	2/23/2023 5:20:00 PM	R94860
n-Butylbenzene	ND	0.30		µg/L	1	2/23/2023 5:20:00 PM	R94860
n-Propylbenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
sec-Butylbenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Styrene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
tert-Butylbenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Tetrachloroethene (PCE)	0.19	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
trans-1,2-DCE	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,1,1-Trichloroethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,1,2-Trichloroethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Trichloroethene (TCE)	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Trichlorofluoromethane	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
1,2,3-Trichloropropane	ND	0.20		µg/L	1	2/23/2023 5:20:00 PM	R94860
Vinyl chloride	ND	0.10		µg/L	1	2/23/2023 5:20:00 PM	R94860
Xylenes, Total	ND	0.15		µg/L	1	2/23/2023 5:20:00 PM	R94860
Surr: Dibromofluoromethane	92.8	70-130		%Rec	1	2/23/2023 5:20:00 PM	R94860
Surr: 1,2-Dichloroethane-d4	86.3	70-130		%Rec	1	2/23/2023 5:20:00 PM	R94860
Surr: Toluene-d8	94.8	70-130		%Rec	1	2/23/2023 5:20:00 PM	R94860
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/23/2023 5:20:00 PM	R94860

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:31:00 AM
Lab ID: 2302973-003 **Matrix:** AIR
Received Date: 2/22/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Toluene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Ethylbenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Naphthalene	ND	0.20		µg/L	1	2/23/2023 5:43:00 PM	R94860
1-Methylnaphthalene	ND	0.40		µg/L	1	2/23/2023 5:43:00 PM	R94860
2-Methylnaphthalene	ND	0.40		µg/L	1	2/23/2023 5:43:00 PM	R94860
Acetone	ND	1.0		µg/L	1	2/23/2023 5:43:00 PM	R94860
Bromobenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Bromodichloromethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Bromoform	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Bromomethane	ND	0.20		µg/L	1	2/23/2023 5:43:00 PM	R94860
2-Butanone	ND	1.0		µg/L	1	2/23/2023 5:43:00 PM	R94860
Carbon disulfide	ND	1.0		µg/L	1	2/23/2023 5:43:00 PM	R94860
Carbon tetrachloride	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Chlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Chloroethane	ND	0.20		µg/L	1	2/23/2023 5:43:00 PM	R94860
Chloroform	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Chloromethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
2-Chlorotoluene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
4-Chlorotoluene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
cis-1,2-DCE	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	2/23/2023 5:43:00 PM	R94860
Dibromochloromethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Dibromomethane	ND	0.20		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,2-Dichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,3-Dichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,4-Dichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Dichlorodifluoromethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,1-Dichloroethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,1-Dichloroethene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,2-Dichloropropane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,3-Dichloropropane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
2,2-Dichloropropane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230221
Project: Joint Superfund Project Monthly Analysi
Collection Date: 2/21/2023 9:31:00 AM
Lab ID: 2302973-003 **Matrix:** AIR
Received Date: 2/22/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Hexachlorobutadiene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
2-Hexanone	ND	1.0		µg/L	1	2/23/2023 5:43:00 PM	R94860
Isopropylbenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
4-Isopropyltoluene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
4-Methyl-2-pentanone	ND	1.0		µg/L	1	2/23/2023 5:43:00 PM	R94860
Methylene chloride	ND	0.30		µg/L	1	2/23/2023 5:43:00 PM	R94860
n-Butylbenzene	ND	0.30		µg/L	1	2/23/2023 5:43:00 PM	R94860
n-Propylbenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
sec-Butylbenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Styrene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
tert-Butylbenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Tetrachloroethene (PCE)	0.20	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
trans-1,2-DCE	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,1,1-Trichloroethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,1,2-Trichloroethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Trichloroethene (TCE)	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Trichlorofluoromethane	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
1,2,3-Trichloropropane	ND	0.20		µg/L	1	2/23/2023 5:43:00 PM	R94860
Vinyl chloride	ND	0.10		µg/L	1	2/23/2023 5:43:00 PM	R94860
Xylenes, Total	ND	0.15		µg/L	1	2/23/2023 5:43:00 PM	R94860
Surr: Dibromofluoromethane	87.9	70-130		%Rec	1	2/23/2023 5:43:00 PM	R94860
Surr: 1,2-Dichloroethane-d4	85.5	70-130		%Rec	1	2/23/2023 5:43:00 PM	R94860
Surr: Toluene-d8	96.2	70-130		%Rec	1	2/23/2023 5:43:00 PM	R94860
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/23/2023 5:43:00 PM	R94860

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **City of Las Cruces** Work Order Number: **2302973** RcptNo: **1**

Received By: **Joseph Alderette** **2/22/2023 8:50:00 AM**

Completed By: **Desiree Dominguez** **2/22/2023 12:17:44 PM**

Reviewed By: JM 2/22/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: KRG 2-2223

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	NA	Good	Yes	NA		

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces, NM 88004
Phone #: (575) -528-3609
email or Fax#: lguerra@las-cruces.org
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: Joint Superfund Project Monthly Analysis
Project #: CLC JSP Griggs Walnut
Project Manager: Luis Guerra: (575) 528-3609
Sampler: Yadira Reyna
On Ice: ☐ Yes ☑ No
# of Coolers: 1 Box
Cooler Temp (Including CF): NA (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2302973	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2/20/2023	0939	Air	CLC AS1-230221	Tedlar Bag	N/A	-001								X		
1	0939	Air	CLC AS1-230221 (Dup)	Tedlar Bag	N/A	-002								X		
2/20/2023	0931	Air	CLC AS2-230221	Tedlar Bag	N/A	-003								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2/20/2023	1500	Yadira Reyna		Fedex	2-22-23	8:50
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results to:
Luis Guerra: lguerra@las-cruces.org
Send invoice to: CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 13, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: CLC Joint Superfund Project Monthly Analysis OrderNo.: 2303F48

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/31/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230330
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:04:00 AM
Lab ID: 2303F48-001
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Toluene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Ethylbenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Naphthalene	ND	2.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
2-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Acetone	ND	10		µg/L	1	4/7/2023 4:00:00 PM	R95868
Bromobenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Bromodichloromethane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Bromoform	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Bromomethane	ND	3.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
2-Butanone	ND	10		µg/L	1	4/7/2023 4:00:00 PM	R95868
Carbon disulfide	ND	10		µg/L	1	4/7/2023 4:00:00 PM	R95868
Carbon Tetrachloride	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Chlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Chloroethane	ND	2.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Chloroform	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Chloromethane	ND	3.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
2-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
4-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
cis-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Dibromochloromethane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Dibromomethane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,1-Dichloroethane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,1-Dichloroethene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,2-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,3-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
2,2-Dichloropropane	ND	2.0		µg/L	1	4/7/2023 4:00:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230330
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:04:00 AM
Lab ID: 2303F48-001
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Hexachlorobutadiene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
2-Hexanone	ND	10		µg/L	1	4/7/2023 4:00:00 PM	R95868
Isopropylbenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
4-Isopropyltoluene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
4-Methyl-2-pentanone	ND	10		µg/L	1	4/7/2023 4:00:00 PM	R95868
Methylene Chloride	ND	3.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
n-Butylbenzene	ND	3.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
n-Propylbenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
sec-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Styrene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
tert-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Tetrachloroethene (PCE)	3.2	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
trans-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Trichlorofluoromethane	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Vinyl chloride	ND	1.0		µg/L	1	4/7/2023 4:00:00 PM	R95868
Xylenes, Total	ND	1.5		µg/L	1	4/7/2023 4:00:00 PM	R95868
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%Rec	1	4/7/2023 4:00:00 PM	R95868
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	4/7/2023 4:00:00 PM	R95868
Surr: Dibromofluoromethane	92.3	70-130		%Rec	1	4/7/2023 4:00:00 PM	R95868
Surr: Toluene-d8	97.8	70-130		%Rec	1	4/7/2023 4:00:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230330(DUP)
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:06:00 AM
Lab ID: 2303F48-002
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Toluene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Ethylbenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Naphthalene	ND	2.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
2-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Acetone	ND	10		µg/L	1	4/7/2023 4:24:00 PM	R95868
Bromobenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Bromodichloromethane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Bromoform	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Bromomethane	ND	3.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
2-Butanone	ND	10		µg/L	1	4/7/2023 4:24:00 PM	R95868
Carbon disulfide	ND	10		µg/L	1	4/7/2023 4:24:00 PM	R95868
Carbon Tetrachloride	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Chlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Chloroethane	ND	2.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Chloroform	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Chloromethane	ND	3.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
2-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
4-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
cis-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Dibromochloromethane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Dibromomethane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,1-Dichloroethane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,1-Dichloroethene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,2-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,3-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
2,2-Dichloropropane	ND	2.0		µg/L	1	4/7/2023 4:24:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230330(DUP)
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:06:00 AM
Lab ID: 2303F48-002
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Hexachlorobutadiene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
2-Hexanone	ND	10		µg/L	1	4/7/2023 4:24:00 PM	R95868
Isopropylbenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
4-Isopropyltoluene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
4-Methyl-2-pentanone	ND	10		µg/L	1	4/7/2023 4:24:00 PM	R95868
Methylene Chloride	ND	3.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
n-Butylbenzene	ND	3.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
n-Propylbenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
sec-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Styrene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
tert-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Tetrachloroethene (PCE)	3.3	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
trans-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Trichlorofluoromethane	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Vinyl chloride	ND	1.0		µg/L	1	4/7/2023 4:24:00 PM	R95868
Xylenes, Total	ND	1.5		µg/L	1	4/7/2023 4:24:00 PM	R95868
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%Rec	1	4/7/2023 4:24:00 PM	R95868
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	4/7/2023 4:24:00 PM	R95868
Surr: Dibromofluoromethane	91.5	70-130		%Rec	1	4/7/2023 4:24:00 PM	R95868
Surr: Toluene-d8	97.9	70-130		%Rec	1	4/7/2023 4:24:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230330
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:25:00 AM
Lab ID: 2303F48-003
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Toluene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Ethylbenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Naphthalene	ND	2.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
2-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Acetone	ND	10		µg/L	1	4/7/2023 4:49:00 PM	R95868
Bromobenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Bromodichloromethane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Bromoform	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Bromomethane	ND	3.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
2-Butanone	ND	10		µg/L	1	4/7/2023 4:49:00 PM	R95868
Carbon disulfide	ND	10		µg/L	1	4/7/2023 4:49:00 PM	R95868
Carbon Tetrachloride	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Chlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Chloroethane	ND	2.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Chloroform	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Chloromethane	ND	3.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
2-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
4-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
cis-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Dibromochloromethane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Dibromomethane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,1-Dichloroethane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,1-Dichloroethene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,2-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,3-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
2,2-Dichloropropane	ND	2.0		µg/L	1	4/7/2023 4:49:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230330
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:25:00 AM
Lab ID: 2303F48-003
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Hexachlorobutadiene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
2-Hexanone	ND	10		µg/L	1	4/7/2023 4:49:00 PM	R95868
Isopropylbenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
4-Isopropyltoluene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
4-Methyl-2-pentanone	ND	10		µg/L	1	4/7/2023 4:49:00 PM	R95868
Methylene Chloride	ND	3.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
n-Butylbenzene	ND	3.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
n-Propylbenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
sec-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Styrene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
tert-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Tetrachloroethene (PCE)	15	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
trans-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Trichlorofluoromethane	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Vinyl chloride	ND	1.0		µg/L	1	4/7/2023 4:49:00 PM	R95868
Xylenes, Total	ND	1.5		µg/L	1	4/7/2023 4:49:00 PM	R95868
Surr: 1,2-Dichloroethane-d4	90.3	70-130		%Rec	1	4/7/2023 4:49:00 PM	R95868
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	4/7/2023 4:49:00 PM	R95868
Surr: Dibromofluoromethane	93.6	70-130		%Rec	1	4/7/2023 4:49:00 PM	R95868
Surr: Toluene-d8	97.9	70-130		%Rec	1	4/7/2023 4:49:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ESI-230330
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:08:00 AM
Lab ID: 2303F48-004
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Toluene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Ethylbenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Naphthalene	ND	2.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
2-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Acetone	ND	10		µg/L	1	4/7/2023 5:13:00 PM	R95868
Bromobenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Bromodichloromethane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Bromoform	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Bromomethane	ND	3.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
2-Butanone	ND	10		µg/L	1	4/7/2023 5:13:00 PM	R95868
Carbon disulfide	ND	10		µg/L	1	4/7/2023 5:13:00 PM	R95868
Carbon Tetrachloride	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Chlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Chloroethane	ND	2.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Chloroform	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Chloromethane	ND	3.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
2-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
4-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
cis-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Dibromochloromethane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Dibromomethane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,1-Dichloroethane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,1-Dichloroethene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,2-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,3-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
2,2-Dichloropropane	ND	2.0		µg/L	1	4/7/2023 5:13:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ESI-230330
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:08:00 AM
Lab ID: 2303F48-004
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Hexachlorobutadiene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
2-Hexanone	ND	10		µg/L	1	4/7/2023 5:13:00 PM	R95868
Isopropylbenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
4-Isopropyltoluene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
4-Methyl-2-pentanone	ND	10		µg/L	1	4/7/2023 5:13:00 PM	R95868
Methylene Chloride	ND	3.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
n-Butylbenzene	ND	3.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
n-Propylbenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
sec-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Styrene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
tert-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
trans-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Trichlorofluoromethane	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Vinyl chloride	ND	1.0		µg/L	1	4/7/2023 5:13:00 PM	R95868
Xylenes, Total	ND	1.5		µg/L	1	4/7/2023 5:13:00 PM	R95868
Surr: 1,2-Dichloroethane-d4	91.5	70-130		%Rec	1	4/7/2023 5:13:00 PM	R95868
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	4/7/2023 5:13:00 PM	R95868
Surr: Dibromofluoromethane	93.0	70-130		%Rec	1	4/7/2023 5:13:00 PM	R95868
Surr: Toluene-d8	97.2	70-130		%Rec	1	4/7/2023 5:13:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ISI-230330
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:11:00 AM
Lab ID: 2303F48-005
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Toluene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Ethylbenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Naphthalene	ND	2.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
2-Methylnaphthalene	ND	4.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Acetone	ND	10		µg/L	1	4/7/2023 5:37:00 PM	R95868
Bromobenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Bromodichloromethane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Bromoform	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Bromomethane	ND	3.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
2-Butanone	ND	10		µg/L	1	4/7/2023 5:37:00 PM	R95868
Carbon disulfide	ND	10		µg/L	1	4/7/2023 5:37:00 PM	R95868
Carbon Tetrachloride	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Chlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Chloroethane	ND	2.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Chloroform	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Chloromethane	ND	3.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
2-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
4-Chlorotoluene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
cis-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Dibromochloromethane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Dibromomethane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,1-Dichloroethane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,1-Dichloroethene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,2-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,3-Dichloropropane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
2,2-Dichloropropane	ND	2.0		µg/L	1	4/7/2023 5:37:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ISI-230330
Project: CLC Joint Superfund Project Monthly A
Collection Date: 3/30/2023 9:11:00 AM
Lab ID: 2303F48-005
Matrix: DRINKING W
Received Date: 3/31/2023 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Hexachlorobutadiene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
2-Hexanone	ND	10		µg/L	1	4/7/2023 5:37:00 PM	R95868
Isopropylbenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
4-Isopropyltoluene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
4-Methyl-2-pentanone	ND	10		µg/L	1	4/7/2023 5:37:00 PM	R95868
Methylene Chloride	ND	3.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
n-Butylbenzene	ND	3.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
n-Propylbenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
sec-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Styrene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
tert-Butylbenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Tetrachloroethene (PCE)	10	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
trans-1,2-DCE	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Trichlorofluoromethane	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Vinyl chloride	ND	1.0		µg/L	1	4/7/2023 5:37:00 PM	R95868
Xylenes, Total	ND	1.5		µg/L	1	4/7/2023 5:37:00 PM	R95868
Surr: 1,2-Dichloroethane-d4	92.7	70-130		%Rec	1	4/7/2023 5:37:00 PM	R95868
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/7/2023 5:37:00 PM	R95868
Surr: Dibromofluoromethane	95.0	70-130		%Rec	1	4/7/2023 5:37:00 PM	R95868
Surr: Toluene-d8	98.8	70-130		%Rec	1	4/7/2023 5:37:00 PM	R95868

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303F48**

13-Apr-23

Client: City of Las Cruces

Project: CLC Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R95868**	RunNo: **95868**
Prep Date:	Analysis Date: **4/7/2023**	SeqNo: **3471906** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.2	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Chlorobenzene	20	1.0	20.00	0	102	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	88.6	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	90.4	70	130			
Surr: 1,2-Dichloroethane-d4	9.1		10.00		90.6	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.3		10.00		92.6	70	130			
Surr: Toluene-d8	9.9		10.00		98.7	70	130			

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R95868**	RunNo: **95868**
Prep Date:	Analysis Date: **4/7/2023**	SeqNo: **3471907** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303F48**

13-Apr-23

Client: City of Las Cruces

Project: CLC Joint Superfund Project Monthly Analysis

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R95868**	RunNo: **95868**
Prep Date:	Analysis Date: **4/7/2023**	SeqNo: **3471907** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303F48**

13-Apr-23

Client: City of Las Cruces

Project: CLC Joint Superfund Project Monthly Analysis

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R95868**	RunNo: **95868**
Prep Date:	Analysis Date: **4/7/2023**	SeqNo: **3471907** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	9.3		10.00		92.5	70	130			
Surr: Toluene-d8	9.9		10.00		98.5	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
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P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **City of Las Cruces** Work Order Number: **2303F48** RcptNo: **1**

Received By: **Desiree Dominguez** **3/31/2023 8:55:00 AM** DD

Completed By: **Desiree Dominguez** **3/31/2023 10:55:05 AM** DD

Reviewed By: TMC 3/31/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____
TMB 3/31/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good	Not Present	yogi		

Chain-of-Custody Record

Client: City of Las Cruces Water Quality Laboratory

Mailing Address: P.O. Box 20000 Las Cruces NM 88004

Phone #: (575) ~~575~~ 528-3109

email or Fax#: lguerra@las-cruces.org

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: ~~Joint~~ Joint Superfund Project Monthly Analysis

Project #: CLC JSP Griggs Walnut

Project Manager: Luis Guerra (575) 528-3109

Sampler: Evangelina Dominguez

On Ice: ☒ Yes ☐ No

# of Coolers: 1 Yogi

Cooler Temp (including CF): 0.4 - 0.1 = 0.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2303F48	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~/VOC)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
3/30/23	0904	Drinking water	CLC 18-230330	3-40ml vials	HgCl2	001								X		
	0906		CLC 18-230330 (Dup)			002								X		
	0905		CLC 27-230330			003								X		
	0908		CLC ES1-230330			004								X		
3/30/23	0911	Drinking water	CLC IS1-230330	3-40ml vials	HgCl2	005								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
3/30/23	1500	E. Dominguez		Fed Ex	3/31/23	8:55
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send results to:
Luis Guerra: lguerra@las-cruces.org
Send invoice to: CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 20, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2304506

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/12/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC18-230411
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 4/11/2023 9:07:00 AM
Lab ID: 2304506-001 **Matrix:** DRINKING W **Received Date:** 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Toluene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Ethylbenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Naphthalene	ND	2.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1-Methylnaphthalene	ND	4.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
2-Methylnaphthalene	ND	4.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Acetone	ND	10		µg/L	1	4/18/2023 2:02:25 PM	R96119
Bromobenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Bromodichloromethane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Bromoform	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Bromomethane	ND	3.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
2-Butanone	ND	10		µg/L	1	4/18/2023 2:02:25 PM	R96119
Carbon disulfide	ND	10		µg/L	1	4/18/2023 2:02:25 PM	R96119
Carbon Tetrachloride	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Chlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Chloroethane	ND	2.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Chloroform	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Chloromethane	ND	3.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
2-Chlorotoluene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
4-Chlorotoluene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
cis-1,2-DCE	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Dibromochloromethane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Dibromomethane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,1-Dichloroethane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,1-Dichloroethene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,2-Dichloropropane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,3-Dichloropropane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
2,2-Dichloropropane	ND	2.0		µg/L	1	4/18/2023 2:02:25 PM	R96119

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC18-230411
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 4/11/2023 9:07:00 AM
Lab ID: 2304506-001 **Matrix:** DRINKING W **Received Date:** 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Hexachlorobutadiene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
2-Hexanone	ND	10		µg/L	1	4/18/2023 2:02:25 PM	R96119
Isopropylbenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
4-Isopropyltoluene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
4-Methyl-2-pentanone	ND	10		µg/L	1	4/18/2023 2:02:25 PM	R96119
Methylene Chloride	ND	3.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
n-Butylbenzene	ND	3.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
n-Propylbenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
sec-Butylbenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Styrene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
tert-Butylbenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Tetrachloroethene (PCE)	3.9	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
trans-1,2-DCE	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Trichlorofluoromethane	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Vinyl chloride	ND	1.0		µg/L	1	4/18/2023 2:02:25 PM	R96119
Xylenes, Total	ND	1.5		µg/L	1	4/18/2023 2:02:25 PM	R96119
Surr: 1,2-Dichloroethane-d4	95.1	70-130		%Rec	1	4/18/2023 2:02:25 PM	R96119
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	4/18/2023 2:02:25 PM	R96119
Surr: Dibromofluoromethane	110	70-130		%Rec	1	4/18/2023 2:02:25 PM	R96119
Surr: Toluene-d8	97.0	70-130		%Rec	1	4/18/2023 2:02:25 PM	R96119

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC27-230411
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 4/11/2023 8:54:00 AM
Lab ID: 2304506-002 **Matrix:** DRINKING W **Received Date:** 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Toluene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Ethylbenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Naphthalene	ND	2.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1-Methylnaphthalene	ND	4.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
2-Methylnaphthalene	ND	4.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Acetone	ND	10		µg/L	1	4/18/2023 2:32:13 PM	R96119
Bromobenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Bromodichloromethane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Bromoform	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Bromomethane	ND	3.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
2-Butanone	ND	10		µg/L	1	4/18/2023 2:32:13 PM	R96119
Carbon disulfide	ND	10		µg/L	1	4/18/2023 2:32:13 PM	R96119
Carbon Tetrachloride	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Chlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Chloroethane	ND	2.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Chloroform	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Chloromethane	ND	3.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
2-Chlorotoluene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
4-Chlorotoluene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
cis-1,2-DCE	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Dibromochloromethane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Dibromomethane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,1-Dichloroethane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,1-Dichloroethene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,2-Dichloropropane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,3-Dichloropropane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
2,2-Dichloropropane	ND	2.0		µg/L	1	4/18/2023 2:32:13 PM	R96119

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

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC27-230411
Project: Joint Superfund Project Monthly Analysi
Collection Date: 4/11/2023 8:54:00 AM
Lab ID: 2304506-002
Matrix: DRINKING W
Received Date: 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Hexachlorobutadiene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
2-Hexanone	ND	10		µg/L	1	4/18/2023 2:32:13 PM	R96119
Isopropylbenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
4-Isopropyltoluene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
4-Methyl-2-pentanone	ND	10		µg/L	1	4/18/2023 2:32:13 PM	R96119
Methylene Chloride	ND	3.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
n-Butylbenzene	ND	3.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
n-Propylbenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
sec-Butylbenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Styrene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
tert-Butylbenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Tetrachloroethene (PCE)	17	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
trans-1,2-DCE	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Trichlorofluoromethane	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Vinyl chloride	ND	1.0		µg/L	1	4/18/2023 2:32:13 PM	R96119
Xylenes, Total	ND	1.5		µg/L	1	4/18/2023 2:32:13 PM	R96119
Surr: 1,2-Dichloroethane-d4	95.0	70-130		%Rec	1	4/18/2023 2:32:13 PM	R96119
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/18/2023 2:32:13 PM	R96119
Surr: Dibromofluoromethane	111	70-130		%Rec	1	4/18/2023 2:32:13 PM	R96119
Surr: Toluene-d8	98.1	70-130		%Rec	1	4/18/2023 2:32:13 PM	R96119

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

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC27-230411 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 4/11/2023 8:56:00 AM
Lab ID: 2304506-003
Matrix: DRINKING W
Received Date: 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Toluene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Ethylbenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Naphthalene	ND	2.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1-Methylnaphthalene	ND	4.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
2-Methylnaphthalene	ND	4.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Acetone	ND	10		µg/L	1	4/18/2023 3:02:10 PM	R96119
Bromobenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Bromodichloromethane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Bromoform	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Bromomethane	ND	3.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
2-Butanone	ND	10		µg/L	1	4/18/2023 3:02:10 PM	R96119
Carbon disulfide	ND	10		µg/L	1	4/18/2023 3:02:10 PM	R96119
Carbon Tetrachloride	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Chlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Chloroethane	ND	2.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Chloroform	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Chloromethane	ND	3.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
2-Chlorotoluene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
4-Chlorotoluene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
cis-1,2-DCE	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Dibromochloromethane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Dibromomethane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,1-Dichloroethane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,1-Dichloroethene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,2-Dichloropropane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,3-Dichloropropane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
2,2-Dichloropropane	ND	2.0		µg/L	1	4/18/2023 3:02:10 PM	R96119

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC27-230411 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 4/11/2023 8:56:00 AM
Lab ID: 2304506-003
Matrix: DRINKING W
Received Date: 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Hexachlorobutadiene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
2-Hexanone	ND	10		µg/L	1	4/18/2023 3:02:10 PM	R96119
Isopropylbenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
4-Isopropyltoluene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
4-Methyl-2-pentanone	ND	10		µg/L	1	4/18/2023 3:02:10 PM	R96119
Methylene Chloride	ND	3.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
n-Butylbenzene	ND	3.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
n-Propylbenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
sec-Butylbenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Styrene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
tert-Butylbenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Tetrachloroethene (PCE)	17	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
trans-1,2-DCE	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Trichlorofluoromethane	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Vinyl chloride	ND	1.0		µg/L	1	4/18/2023 3:02:10 PM	R96119
Xylenes, Total	ND	1.5		µg/L	1	4/18/2023 3:02:10 PM	R96119
Surr: 1,2-Dichloroethane-d4	99.1	70-130		%Rec	1	4/18/2023 3:02:10 PM	R96119
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	4/18/2023 3:02:10 PM	R96119
Surr: Dibromofluoromethane	110	70-130		%Rec	1	4/18/2023 3:02:10 PM	R96119
Surr: Toluene-d8	94.3	70-130		%Rec	1	4/18/2023 3:02:10 PM	R96119

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLCISI-230411
Project: Joint Superfund Project Monthly Analysi
Collection Date: 4/11/2023 9:16:00 AM
Lab ID: 2304506-004
Matrix: DRINKING W
Received Date: 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Toluene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Ethylbenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Naphthalene	ND	2.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1-Methylnaphthalene	ND	4.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
2-Methylnaphthalene	ND	4.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Acetone	ND	10		µg/L	1	4/18/2023 3:32:00 PM	R96119
Bromobenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Bromodichloromethane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Bromoform	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Bromomethane	ND	3.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
2-Butanone	ND	10		µg/L	1	4/18/2023 3:32:00 PM	R96119
Carbon disulfide	ND	10		µg/L	1	4/18/2023 3:32:00 PM	R96119
Carbon Tetrachloride	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Chlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Chloroethane	ND	2.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Chloroform	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Chloromethane	ND	3.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
2-Chlorotoluene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
4-Chlorotoluene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
cis-1,2-DCE	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Dibromochloromethane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Dibromomethane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,1-Dichloroethane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,1-Dichloroethene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,2-Dichloropropane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,3-Dichloropropane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
2,2-Dichloropropane	ND	2.0		µg/L	1	4/18/2023 3:32:00 PM	R96119

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLCISI-230411
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 4/11/2023 9:16:00 AM
Lab ID: 2304506-004 **Matrix:** DRINKING W **Received Date:** 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Hexachlorobutadiene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
2-Hexanone	ND	10		µg/L	1	4/18/2023 3:32:00 PM	R96119
Isopropylbenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
4-Isopropyltoluene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
4-Methyl-2-pentanone	ND	10		µg/L	1	4/18/2023 3:32:00 PM	R96119
Methylene Chloride	ND	3.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
n-Butylbenzene	ND	3.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
n-Propylbenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
sec-Butylbenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Styrene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
tert-Butylbenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Tetrachloroethene (PCE)	12	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
trans-1,2-DCE	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Trichlorofluoromethane	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Vinyl chloride	ND	1.0		µg/L	1	4/18/2023 3:32:00 PM	R96119
Xylenes, Total	ND	1.5		µg/L	1	4/18/2023 3:32:00 PM	R96119
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	4/18/2023 3:32:00 PM	R96119
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	4/18/2023 3:32:00 PM	R96119
Surr: Dibromofluoromethane	106	70-130		%Rec	1	4/18/2023 3:32:00 PM	R96119
Surr: Toluene-d8	95.8	70-130		%Rec	1	4/18/2023 3:32:00 PM	R96119

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLCESI-230411
Project: Joint Superfund Project Monthly Analysi
Collection Date: 4/11/2023 9:20:00 AM
Lab ID: 2304506-005
Matrix: DRINKING W
Received Date: 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Toluene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Ethylbenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Methyl tert-butyl ether (MTBE)	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,2,4-Trimethylbenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,3,5-Trimethylbenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,2-Dichloroethane (EDC)	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,2-Dibromoethane (EDB)	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Naphthalene	ND	4.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1-Methylnaphthalene	ND	8.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
2-Methylnaphthalene	ND	8.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Acetone	ND	20	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Bromobenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Bromodichloromethane	6.0	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Bromoform	4.4	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Bromomethane	ND	6.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
2-Butanone	ND	20	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Carbon disulfide	ND	20	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Carbon Tetrachloride	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Chlorobenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Chloroethane	ND	4.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Chloroform	4.5	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Chloromethane	ND	6.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
2-Chlorotoluene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
4-Chlorotoluene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
cis-1,2-DCE	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
cis-1,3-Dichloropropene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,2-Dibromo-3-chloropropane	ND	4.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Dibromochloromethane	8.5	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Dibromomethane	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,2-Dichlorobenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,3-Dichlorobenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,4-Dichlorobenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Dichlorodifluoromethane	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,1-Dichloroethane	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,1-Dichloroethene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,2-Dichloropropane	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,3-Dichloropropane	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
2,2-Dichloropropane	ND	4.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLCESI-230411
Project: Joint Superfund Project Monthly Analysi
Collection Date: 4/11/2023 9:20:00 AM
Lab ID: 2304506-005
Matrix: DRINKING W
Received Date: 4/12/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Hexachlorobutadiene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
2-Hexanone	ND	20	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Isopropylbenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
4-Isopropyltoluene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
4-Methyl-2-pentanone	ND	20	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Methylene Chloride	ND	6.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
n-Butylbenzene	ND	6.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
n-Propylbenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
sec-Butylbenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Styrene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
tert-Butylbenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,1,1,2-Tetrachloroethane	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,1,2,2-Tetrachloroethane	ND	4.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Tetrachloroethene (PCE)	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
trans-1,2-DCE	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
trans-1,3-Dichloropropene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,2,3-Trichlorobenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,2,4-Trichlorobenzene	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,1,1-Trichloroethane	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,1,2-Trichloroethane	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Trichloroethene (TCE)	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Trichlorofluoromethane	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
1,2,3-Trichloropropane	ND	4.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Vinyl chloride	ND	2.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Xylenes, Total	ND	3.0	D	µg/L	2	4/18/2023 4:01:58 PM	R96119
Surr: 1,2-Dichloroethane-d4	94.8	70-130	D	%Rec	2	4/18/2023 4:01:58 PM	R96119
Surr: 4-Bromofluorobenzene	97.0	70-130	D	%Rec	2	4/18/2023 4:01:58 PM	R96119
Surr: Dibromofluoromethane	105	70-130	D	%Rec	2	4/18/2023 4:01:58 PM	R96119
Surr: Toluene-d8	94.5	70-130	D	%Rec	2	4/18/2023 4:01:58 PM	R96119

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304506**

20-Apr-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R96119**	RunNo: **96119**
Prep Date:	Analysis Date: **4/18/2023**	SeqNo: **3480681** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130			
Toluene	21	1.0	20.00	0	104	70	130			
Chlorobenzene	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	90.0	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	99.4	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.4	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.7	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.5		10.00		94.6	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R96119**	RunNo: **96119**
Prep Date:	Analysis Date: **4/18/2023**	SeqNo: **3480720** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304506**

20-Apr-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R96119**	RunNo: **96119**
Prep Date:	Analysis Date: **4/18/2023**	SeqNo: **3480720** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304506**

20-Apr-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R96119**	RunNo: **96119**
Prep Date:	Analysis Date: **4/18/2023**	SeqNo: **3480720** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.3		10.00		93.4	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.4	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.6		10.00		96.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces | Work Order Number: 2304506 | RcptNo: 1

Received By: Tracy Casarrubias 4/12/2023 8:45:00 AM

Completed By: Tracy Casarrubias 4/12/2023 10:32:15 AM

Reviewed By: JR 4/12/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: KPA 4-12-23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks: Recieved One Voa broken for sample 005A - KPA 4/12.23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes	Yogi		

Chain-of-Custody Record

Client: City of Las Cruces Water Quality Laboratory

Mailing Address: P.O. Box 20000 Las Cruces N.M. 88004

Phone #: 575-528-3609

email or Fax#: lguerra@las-cruces.org

QA/QC Package: ☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☐ Standard ☐ Rush

Project Name: Joint Superfund Project Monthly Analysis

Project #: CLC JSP Griggs Walnut

Project Manager: Luis Guerra (575) 528-3609

Sampler: Yadira Bayne

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 1.9-0.3=1.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2304506	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/11/23	0900	Drinking Water	CLC 18-230411	3-40ml VOAs	$HgCl_2$	001								X		
	0854		CLC 27-230411			002								X		
	0856		CLC 27-230411 DUP			003								X		
	0914		CLC 151-230411			004								X		
4/11/23	0920	Drinking Water	CLC ES1-230411	3-40ml VOAs	$HgCl_2$	005								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/11/23	1400	Yadira Bayne		FedEx	4/12/23	8:45
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results to:
Luis Guerra lguerra@las-cruces.org
Send invoice to CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

May 19, 2023

Luis Guerra

City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2305517

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/10/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230509
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/9/2023 7:34:00 AM
Lab ID: 2305517-001 **Matrix:** AIR
Received Date: 5/10/2023 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Toluene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Ethylbenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Naphthalene	ND	0.20		µg/L	1	5/17/2023 12:38:00 PM	R96839
1-Methylnaphthalene	ND	0.40		µg/L	1	5/17/2023 12:38:00 PM	R96839
2-Methylnaphthalene	ND	0.40		µg/L	1	5/17/2023 12:38:00 PM	R96839
Acetone	ND	1.0		µg/L	1	5/17/2023 12:38:00 PM	R96839
Bromobenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Bromodichloromethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Bromoform	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Bromomethane	ND	0.20		µg/L	1	5/17/2023 12:38:00 PM	R96839
2-Butanone	ND	1.0		µg/L	1	5/17/2023 12:38:00 PM	R96839
Carbon disulfide	ND	1.0		µg/L	1	5/17/2023 12:38:00 PM	R96839
Carbon tetrachloride	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Chlorobenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Chloroethane	ND	0.20		µg/L	1	5/17/2023 12:38:00 PM	R96839
Chloroform	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Chloromethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
2-Chlorotoluene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
4-Chlorotoluene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
cis-1,2-DCE	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	5/17/2023 12:38:00 PM	R96839
Dibromochloromethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Dibromomethane	ND	0.20		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,2-Dichlorobenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,3-Dichlorobenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,4-Dichlorobenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Dichlorodifluoromethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,1-Dichloroethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,1-Dichloroethene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,2-Dichloropropane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,3-Dichloropropane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
2,2-Dichloropropane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230509
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/9/2023 7:34:00 AM
Lab ID: 2305517-001 **Matrix:** AIR
Received Date: 5/10/2023 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Hexachlorobutadiene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
2-Hexanone	ND	1.0		µg/L	1	5/17/2023 12:38:00 PM	R96839
Isopropylbenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
4-Isopropyltoluene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
4-Methyl-2-pentanone	ND	1.0		µg/L	1	5/17/2023 12:38:00 PM	R96839
Methylene chloride	ND	0.30		µg/L	1	5/17/2023 12:38:00 PM	R96839
n-Butylbenzene	ND	0.30		µg/L	1	5/17/2023 12:38:00 PM	R96839
n-Propylbenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
sec-Butylbenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Styrene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
tert-Butylbenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Tetrachloroethene (PCE)	0.14	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
trans-1,2-DCE	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,1,1-Trichloroethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,1,2-Trichloroethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Trichloroethene (TCE)	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Trichlorofluoromethane	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
1,2,3-Trichloropropane	ND	0.20		µg/L	1	5/17/2023 12:38:00 PM	R96839
Vinyl chloride	ND	0.10		µg/L	1	5/17/2023 12:38:00 PM	R96839
Xylenes, Total	ND	0.15		µg/L	1	5/17/2023 12:38:00 PM	R96839
Surr: Dibromofluoromethane	94.2	70-130		%Rec	1	5/17/2023 12:38:00 PM	R96839
Surr: 1,2-Dichloroethane-d4	95.9	70-130		%Rec	1	5/17/2023 12:38:00 PM	R96839
Surr: Toluene-d8	94.6	70-130		%Rec	1	5/17/2023 12:38:00 PM	R96839
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	5/17/2023 12:38:00 PM	R96839

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230509
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/9/2023 7:35:00 AM
Lab ID: 2305517-002 **Matrix:** AIR
Received Date: 5/10/2023 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Toluene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Ethylbenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Naphthalene	ND	0.20		µg/L	1	5/17/2023 1:27:00 PM	R96839
1-Methylnaphthalene	ND	0.40		µg/L	1	5/17/2023 1:27:00 PM	R96839
2-Methylnaphthalene	ND	0.40		µg/L	1	5/17/2023 1:27:00 PM	R96839
Acetone	ND	1.0		µg/L	1	5/17/2023 1:27:00 PM	R96839
Bromobenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Bromodichloromethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Bromoform	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Bromomethane	ND	0.20		µg/L	1	5/17/2023 1:27:00 PM	R96839
2-Butanone	ND	1.0		µg/L	1	5/17/2023 1:27:00 PM	R96839
Carbon disulfide	ND	1.0		µg/L	1	5/17/2023 1:27:00 PM	R96839
Carbon tetrachloride	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Chlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Chloroethane	ND	0.20		µg/L	1	5/17/2023 1:27:00 PM	R96839
Chloroform	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Chloromethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
2-Chlorotoluene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
4-Chlorotoluene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
cis-1,2-DCE	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	5/17/2023 1:27:00 PM	R96839
Dibromochloromethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Dibromomethane	ND	0.20		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,2-Dichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,3-Dichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,4-Dichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Dichlorodifluoromethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,1-Dichloroethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,1-Dichloroethene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,2-Dichloropropane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,3-Dichloropropane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
2,2-Dichloropropane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230509
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/9/2023 7:35:00 AM
Lab ID: 2305517-002 **Matrix:** AIR
Received Date: 5/10/2023 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Hexachlorobutadiene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
2-Hexanone	ND	1.0		µg/L	1	5/17/2023 1:27:00 PM	R96839
Isopropylbenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
4-Isopropyltoluene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
4-Methyl-2-pentanone	ND	1.0		µg/L	1	5/17/2023 1:27:00 PM	R96839
Methylene chloride	ND	0.30		µg/L	1	5/17/2023 1:27:00 PM	R96839
n-Butylbenzene	ND	0.30		µg/L	1	5/17/2023 1:27:00 PM	R96839
n-Propylbenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
sec-Butylbenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Styrene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
tert-Butylbenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Tetrachloroethene (PCE)	0.13	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
trans-1,2-DCE	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,1,1-Trichloroethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,1,2-Trichloroethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Trichloroethene (TCE)	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Trichlorofluoromethane	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
1,2,3-Trichloropropane	ND	0.20		µg/L	1	5/17/2023 1:27:00 PM	R96839
Vinyl chloride	ND	0.10		µg/L	1	5/17/2023 1:27:00 PM	R96839
Xylenes, Total	ND	0.15		µg/L	1	5/17/2023 1:27:00 PM	R96839
Surr: Dibromofluoromethane	94.1	70-130		%Rec	1	5/17/2023 1:27:00 PM	R96839
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%Rec	1	5/17/2023 1:27:00 PM	R96839
Surr: Toluene-d8	95.7	70-130		%Rec	1	5/17/2023 1:27:00 PM	R96839
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	5/17/2023 1:27:00 PM	R96839

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230509 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/9/2023 7:36:00 AM
Lab ID: 2305517-003 **Matrix:** AIR
Received Date: 5/10/2023 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Toluene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Ethylbenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Naphthalene	ND	0.20		µg/L	1	5/17/2023 1:51:00 PM	R96839
1-Methylnaphthalene	ND	0.40		µg/L	1	5/17/2023 1:51:00 PM	R96839
2-Methylnaphthalene	ND	0.40		µg/L	1	5/17/2023 1:51:00 PM	R96839
Acetone	ND	1.0		µg/L	1	5/17/2023 1:51:00 PM	R96839
Bromobenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Bromodichloromethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Bromoform	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Bromomethane	ND	0.20		µg/L	1	5/17/2023 1:51:00 PM	R96839
2-Butanone	ND	1.0		µg/L	1	5/17/2023 1:51:00 PM	R96839
Carbon disulfide	ND	1.0		µg/L	1	5/17/2023 1:51:00 PM	R96839
Carbon tetrachloride	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Chlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Chloroethane	ND	0.20		µg/L	1	5/17/2023 1:51:00 PM	R96839
Chloroform	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Chloromethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
2-Chlorotoluene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
4-Chlorotoluene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
cis-1,2-DCE	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	5/17/2023 1:51:00 PM	R96839
Dibromochloromethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Dibromomethane	ND	0.20		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,2-Dichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,3-Dichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,4-Dichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Dichlorodifluoromethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,1-Dichloroethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,1-Dichloroethene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,2-Dichloropropane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,3-Dichloropropane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
2,2-Dichloropropane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230509 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/9/2023 7:36:00 AM
Lab ID: 2305517-003 **Matrix:** AIR
Received Date: 5/10/2023 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Hexachlorobutadiene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
2-Hexanone	ND	1.0		µg/L	1	5/17/2023 1:51:00 PM	R96839
Isopropylbenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
4-Isopropyltoluene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
4-Methyl-2-pentanone	ND	1.0		µg/L	1	5/17/2023 1:51:00 PM	R96839
Methylene chloride	ND	0.30		µg/L	1	5/17/2023 1:51:00 PM	R96839
n-Butylbenzene	ND	0.30		µg/L	1	5/17/2023 1:51:00 PM	R96839
n-Propylbenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
sec-Butylbenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Styrene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
tert-Butylbenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Tetrachloroethene (PCE)	0.20	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
trans-1,2-DCE	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,1,1-Trichloroethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,1,2-Trichloroethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Trichloroethene (TCE)	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Trichlorofluoromethane	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
1,2,3-Trichloropropane	ND	0.20		µg/L	1	5/17/2023 1:51:00 PM	R96839
Vinyl chloride	ND	0.10		µg/L	1	5/17/2023 1:51:00 PM	R96839
Xylenes, Total	ND	0.15		µg/L	1	5/17/2023 1:51:00 PM	R96839
Surr: Dibromofluoromethane	93.8	70-130		%Rec	1	5/17/2023 1:51:00 PM	R96839
Surr: 1,2-Dichloroethane-d4	95.4	70-130		%Rec	1	5/17/2023 1:51:00 PM	R96839
Surr: Toluene-d8	94.0	70-130		%Rec	1	5/17/2023 1:51:00 PM	R96839
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	5/17/2023 1:51:00 PM	R96839

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

Qualifiers:

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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
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HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces | Work Order Number: 2305517 | RcptNo: 1

Received By: Desiree Dominguez 5/10/2023 9:05:00 AM DD

Completed By: Desiree Dominguez 5/10/2023 10:04:57 AM DD

Reviewed By: JH 5-10-23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____ 5/10/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	NA	Good	Yes	NA		

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces, NM 88004
Phone #: 575-528-3109
email or Fax#: lguerra@las-cruces.org
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: Joint Superfund Project
Monthly Analysis
Project #:
CLC JSP Griggs Walnut
Project Manager:
Luis Guerra (575) 528-3109
Sampler:
On Ice: ☐ Yes ☒ No
# of Coolers: 1
Cooler Temp(including CF): NA (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2305517	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
5/9/23	0734	Air	CLC AS1-230509	Tedlar BAG	n/A	-001								X		
1	0735	Air	CLC AS2-230509	Tedlar BAG	n/A	-002								X		
5/9/23	0736	Air	CLC AS2-230509(Dup)	Tedlar BAG	n/A	-003								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
5/9/23	1400			Fed Ex	5/10/23	9:05
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send results to:
Luis Guerra : lguerra@las-cruces.org
Send invoice to CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 01, 2023

Luis Guerra

City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: CLC Joint Superfund Project Monthly Analysis OrderNo.: 2305C39

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 7 sample(s) on 5/24/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC18-230523
Project: CLC Joint Superfund Project Monthly A **Collection Date:** 5/23/2023 9:01:00 AM
Lab ID: 2305C39-001 **Matrix:** DRINKING W **Received Date:** 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Toluene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Ethylbenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Naphthalene	ND	2.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
2-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Acetone	ND	10		µg/L	1	5/25/2023 2:08:57 PM	R97040
Bromobenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Bromodichloromethane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Bromoform	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Bromomethane	ND	3.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
2-Butanone	ND	10		µg/L	1	5/25/2023 2:08:57 PM	R97040
Carbon disulfide	ND	10		µg/L	1	5/25/2023 2:08:57 PM	R97040
Carbon Tetrachloride	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Chlorobenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Chloroethane	ND	2.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Chloroform	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Chloromethane	ND	3.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
2-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
4-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
cis-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Dibromochloromethane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Dibromomethane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,1-Dichloroethane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,1-Dichloroethene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,2-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,3-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
2,2-Dichloropropane	ND	2.0		µg/L	1	5/25/2023 2:08:57 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC18-230523
Project: CLC Joint Superfund Project Monthly A
Collection Date: 5/23/2023 9:01:00 AM
Lab ID: 2305C39-001
Matrix: DRINKING W
Received Date: 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Hexachlorobutadiene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
2-Hexanone	ND	10		µg/L	1	5/25/2023 2:08:57 PM	R97040
Isopropylbenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
4-Isopropyltoluene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
4-Methyl-2-pentanone	ND	10		µg/L	1	5/25/2023 2:08:57 PM	R97040
Methylene Chloride	ND	3.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
n-Butylbenzene	ND	3.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
n-Propylbenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
sec-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Styrene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
tert-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Tetrachloroethene (PCE)	3.9	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
trans-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Trichlorofluoromethane	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Vinyl chloride	ND	1.0		µg/L	1	5/25/2023 2:08:57 PM	R97040
Xylenes, Total	ND	1.5		µg/L	1	5/25/2023 2:08:57 PM	R97040
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	5/25/2023 2:08:57 PM	R97040
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	5/25/2023 2:08:57 PM	R97040
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/25/2023 2:08:57 PM	R97040
Surr: Toluene-d8	96.5	70-130		%Rec	1	5/25/2023 2:08:57 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 27-230523
Project: CLC Joint Superfund Project Monthly A **Collection Date:** 5/23/2023 9:35:00 AM
Lab ID: 2305C39-002 **Matrix:** DRINKING W **Received Date:** 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Toluene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Ethylbenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Naphthalene	ND	2.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
2-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Acetone	ND	10		µg/L	1	5/25/2023 3:31:13 PM	R97040
Bromobenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Bromodichloromethane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Bromoform	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Bromomethane	ND	3.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
2-Butanone	ND	10		µg/L	1	5/25/2023 3:31:13 PM	R97040
Carbon disulfide	ND	10		µg/L	1	5/25/2023 3:31:13 PM	R97040
Carbon Tetrachloride	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Chlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Chloroethane	ND	2.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Chloroform	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Chloromethane	ND	3.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
2-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
4-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
cis-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Dibromochloromethane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Dibromomethane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,1-Dichloroethane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,1-Dichloroethene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,2-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,3-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
2,2-Dichloropropane	ND	2.0		µg/L	1	5/25/2023 3:31:13 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230523
Project: CLC Joint Superfund Project Monthly A
Collection Date: 5/23/2023 9:35:00 AM
Lab ID: 2305C39-002
Matrix: DRINKING W
Received Date: 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Hexachlorobutadiene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
2-Hexanone	ND	10		µg/L	1	5/25/2023 3:31:13 PM	R97040
Isopropylbenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
4-Isopropyltoluene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
4-Methyl-2-pentanone	ND	10		µg/L	1	5/25/2023 3:31:13 PM	R97040
Methylene Chloride	ND	3.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
n-Butylbenzene	ND	3.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
n-Propylbenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
sec-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Styrene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
tert-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Tetrachloroethene (PCE)	16	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
trans-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Trichlorofluoromethane	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Vinyl chloride	ND	1.0		µg/L	1	5/25/2023 3:31:13 PM	R97040
Xylenes, Total	ND	1.5		µg/L	1	5/25/2023 3:31:13 PM	R97040
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	5/25/2023 3:31:13 PM	R97040
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	5/25/2023 3:31:13 PM	R97040
Surr: Dibromofluoromethane	102	70-130		%Rec	1	5/25/2023 3:31:13 PM	R97040
Surr: Toluene-d8	96.4	70-130		%Rec	1	5/25/2023 3:31:13 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC151-230523
Project: CLC Joint Superfund Project Monthly A **Collection Date:** 5/23/2023 9:04:00 AM
Lab ID: 2305C39-003 **Matrix:** DRINKING W **Received Date:** 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Toluene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Ethylbenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Naphthalene	ND	2.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
2-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Acetone	ND	10		µg/L	1	5/25/2023 3:58:41 PM	R97040
Bromobenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Bromodichloromethane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Bromoform	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Bromomethane	ND	3.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
2-Butanone	ND	10		µg/L	1	5/25/2023 3:58:41 PM	R97040
Carbon disulfide	ND	10		µg/L	1	5/25/2023 3:58:41 PM	R97040
Carbon Tetrachloride	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Chlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Chloroethane	ND	2.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Chloroform	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Chloromethane	ND	3.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
2-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
4-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
cis-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Dibromochloromethane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Dibromomethane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,1-Dichloroethane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,1-Dichloroethene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,2-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,3-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
2,2-Dichloropropane	ND	2.0		µg/L	1	5/25/2023 3:58:41 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC151-230523
Project: CLC Joint Superfund Project Monthly A
Collection Date: 5/23/2023 9:04:00 AM
Lab ID: 2305C39-003
Matrix: DRINKING W
Received Date: 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Hexachlorobutadiene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
2-Hexanone	ND	10		µg/L	1	5/25/2023 3:58:41 PM	R97040
Isopropylbenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
4-Isopropyltoluene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
4-Methyl-2-pentanone	ND	10		µg/L	1	5/25/2023 3:58:41 PM	R97040
Methylene Chloride	ND	3.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
n-Butylbenzene	ND	3.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
n-Propylbenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
sec-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Styrene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
tert-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Tetrachloroethene (PCE)	10	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
trans-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Trichlorofluoromethane	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Vinyl chloride	ND	1.0		µg/L	1	5/25/2023 3:58:41 PM	R97040
Xylenes, Total	ND	1.5		µg/L	1	5/25/2023 3:58:41 PM	R97040
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	5/25/2023 3:58:41 PM	R97040
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	5/25/2023 3:58:41 PM	R97040
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/25/2023 3:58:41 PM	R97040
Surr: Toluene-d8	92.4	70-130		%Rec	1	5/25/2023 3:58:41 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC E51-230523
Project: CLC Joint Superfund Project Monthly A **Collection Date:** 5/23/2023 9:13:00 AM
Lab ID: 2305C39-004 **Matrix:** DRINKING W **Received Date:** 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Toluene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Ethylbenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Naphthalene	ND	2.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
2-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Acetone	ND	10		µg/L	1	5/25/2023 4:26:11 PM	R97040
Bromobenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Bromodichloromethane	2.4	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Bromoform	2.8	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Bromomethane	ND	3.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
2-Butanone	ND	10		µg/L	1	5/25/2023 4:26:11 PM	R97040
Carbon disulfide	ND	10		µg/L	1	5/25/2023 4:26:11 PM	R97040
Carbon Tetrachloride	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Chlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Chloroethane	ND	2.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Chloroform	1.5	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Chloromethane	ND	3.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
2-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
4-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
cis-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Dibromochloromethane	3.9	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Dibromomethane	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,1-Dichloroethane	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,1-Dichloroethene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,2-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,3-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
2,2-Dichloropropane	ND	2.0		µg/L	1	5/25/2023 4:26:11 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC E51-230523
Project: CLC Joint Superfund Project Monthly A
Collection Date: 5/23/2023 9:13:00 AM
Lab ID: 2305C39-004
Matrix: DRINKING W
Received Date: 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Hexachlorobutadiene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
2-Hexanone	ND	10		µg/L	1	5/25/2023 4:26:11 PM	R97040
Isopropylbenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
4-Isopropyltoluene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
4-Methyl-2-pentanone	ND	10		µg/L	1	5/25/2023 4:26:11 PM	R97040
Methylene Chloride	ND	3.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
n-Butylbenzene	ND	3.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
n-Propylbenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
sec-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Styrene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
tert-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
trans-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Trichlorofluoromethane	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Vinyl chloride	ND	1.0		µg/L	1	5/25/2023 4:26:11 PM	R97040
Xylenes, Total	ND	1.5		µg/L	1	5/25/2023 4:26:11 PM	R97040
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	5/25/2023 4:26:11 PM	R97040
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	5/25/2023 4:26:11 PM	R97040
Surr: Dibromofluoromethane	109	70-130		%Rec	1	5/25/2023 4:26:11 PM	R97040
Surr: Toluene-d8	98.4	70-130		%Rec	1	5/25/2023 4:26:11 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C1-230523
Project: CLC Joint Superfund Project Monthly A
Collection Date: 5/23/2023 9:07:00 AM
Lab ID: 2305C39-005
Matrix: DRINKING W
Received Date: 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Toluene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Ethylbenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Naphthalene	ND	2.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
2-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Acetone	ND	10		µg/L	1	5/25/2023 4:53:40 PM	R97040
Bromobenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Bromodichloromethane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Bromoform	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Bromomethane	ND	3.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
2-Butanone	ND	10		µg/L	1	5/25/2023 4:53:40 PM	R97040
Carbon disulfide	ND	10		µg/L	1	5/25/2023 4:53:40 PM	R97040
Carbon Tetrachloride	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Chlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Chloroethane	ND	2.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Chloroform	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Chloromethane	ND	3.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
2-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
4-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
cis-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Dibromochloromethane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Dibromomethane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,1-Dichloroethane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,1-Dichloroethene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,2-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,3-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
2,2-Dichloropropane	ND	2.0		µg/L	1	5/25/2023 4:53:40 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C1-230523
Project: CLC Joint Superfund Project Monthly A
Collection Date: 5/23/2023 9:07:00 AM
Lab ID: 2305C39-005
Matrix: DRINKING W
Received Date: 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Hexachlorobutadiene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
2-Hexanone	ND	10		µg/L	1	5/25/2023 4:53:40 PM	R97040
Isopropylbenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
4-Isopropyltoluene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
4-Methyl-2-pentanone	ND	10		µg/L	1	5/25/2023 4:53:40 PM	R97040
Methylene Chloride	ND	3.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
n-Butylbenzene	ND	3.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
n-Propylbenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
sec-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Styrene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
tert-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
trans-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Trichlorofluoromethane	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Vinyl chloride	ND	1.0		µg/L	1	5/25/2023 4:53:40 PM	R97040
Xylenes, Total	ND	1.5		µg/L	1	5/25/2023 4:53:40 PM	R97040
Surr: 1,2-Dichloroethane-d4	98.5	70-130		%Rec	1	5/25/2023 4:53:40 PM	R97040
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	5/25/2023 4:53:40 PM	R97040
Surr: Dibromofluoromethane	109	70-130		%Rec	1	5/25/2023 4:53:40 PM	R97040
Surr: Toluene-d8	94.3	70-130		%Rec	1	5/25/2023 4:53:40 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC C2-230523
Project: CLC Joint Superfund Project Monthly A **Collection Date:** 5/23/2023 9:09:00 AM
Lab ID: 2305C39-006 **Matrix:** DRINKING W **Received Date:** 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Toluene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Ethylbenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Naphthalene	ND	2.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
2-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Acetone	ND	10		µg/L	1	5/25/2023 5:21:11 PM	R97040
Bromobenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Bromodichloromethane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Bromoform	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Bromomethane	ND	3.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
2-Butanone	ND	10		µg/L	1	5/25/2023 5:21:11 PM	R97040
Carbon disulfide	ND	10		µg/L	1	5/25/2023 5:21:11 PM	R97040
Carbon Tetrachloride	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Chlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Chloroethane	ND	2.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Chloroform	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Chloromethane	ND	3.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
2-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
4-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
cis-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Dibromochloromethane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Dibromomethane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,1-Dichloroethane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,1-Dichloroethene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,2-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,3-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
2,2-Dichloropropane	ND	2.0		µg/L	1	5/25/2023 5:21:11 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C2-230523
Project: CLC Joint Superfund Project Monthly A
Collection Date: 5/23/2023 9:09:00 AM
Lab ID: 2305C39-006
Matrix: DRINKING W
Received Date: 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Hexachlorobutadiene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
2-Hexanone	ND	10		µg/L	1	5/25/2023 5:21:11 PM	R97040
Isopropylbenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
4-Isopropyltoluene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
4-Methyl-2-pentanone	ND	10		µg/L	1	5/25/2023 5:21:11 PM	R97040
Methylene Chloride	ND	3.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
n-Butylbenzene	ND	3.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
n-Propylbenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
sec-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Styrene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
tert-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
trans-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Trichlorofluoromethane	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Vinyl chloride	ND	1.0		µg/L	1	5/25/2023 5:21:11 PM	R97040
Xylenes, Total	ND	1.5		µg/L	1	5/25/2023 5:21:11 PM	R97040
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	5/25/2023 5:21:11 PM	R97040
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	5/25/2023 5:21:11 PM	R97040
Surr: Dibromofluoromethane	108	70-130		%Rec	1	5/25/2023 5:21:11 PM	R97040
Surr: Toluene-d8	92.7	70-130		%Rec	1	5/25/2023 5:21:11 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C2-230523 (DUP)
Project: CLC Joint Superfund Project Monthly A
Collection Date: 5/23/2023 9:10:00 AM
Lab ID: 2305C39-007
Matrix: DRINKING W
Received Date: 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Toluene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Ethylbenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Naphthalene	ND	2.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
2-Methylnaphthalene	ND	4.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Acetone	ND	10		µg/L	1	5/25/2023 5:48:42 PM	R97040
Bromobenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Bromodichloromethane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Bromoform	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Bromomethane	ND	3.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
2-Butanone	ND	10		µg/L	1	5/25/2023 5:48:42 PM	R97040
Carbon disulfide	ND	10		µg/L	1	5/25/2023 5:48:42 PM	R97040
Carbon Tetrachloride	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Chlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Chloroethane	ND	2.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Chloroform	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Chloromethane	ND	3.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
2-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
4-Chlorotoluene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
cis-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Dibromochloromethane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Dibromomethane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,1-Dichloroethane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,1-Dichloroethene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,2-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,3-Dichloropropane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
2,2-Dichloropropane	ND	2.0		µg/L	1	5/25/2023 5:48:42 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C2-230523 (DUP)
Project: CLC Joint Superfund Project Monthly A
Collection Date: 5/23/2023 9:10:00 AM
Lab ID: 2305C39-007
Matrix: DRINKING W
Received Date: 5/24/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Hexachlorobutadiene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
2-Hexanone	ND	10		µg/L	1	5/25/2023 5:48:42 PM	R97040
Isopropylbenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
4-Isopropyltoluene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
4-Methyl-2-pentanone	ND	10		µg/L	1	5/25/2023 5:48:42 PM	R97040
Methylene Chloride	ND	3.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
n-Butylbenzene	ND	3.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
n-Propylbenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
sec-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Styrene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
tert-Butylbenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
trans-1,2-DCE	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Trichlorofluoromethane	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Vinyl chloride	ND	1.0		µg/L	1	5/25/2023 5:48:42 PM	R97040
Xylenes, Total	ND	1.5		µg/L	1	5/25/2023 5:48:42 PM	R97040
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	5/25/2023 5:48:42 PM	R97040
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	5/25/2023 5:48:42 PM	R97040
Surr: Dibromofluoromethane	112	70-130		%Rec	1	5/25/2023 5:48:42 PM	R97040
Surr: Toluene-d8	101	70-130		%Rec	1	5/25/2023 5:48:42 PM	R97040

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305C39**

01-Jun-23

Client: City of Las Cruces

Project: CLC Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R97040**	RunNo: **97040**
Prep Date:	Analysis Date: **5/25/2023**	SeqNo: **3521686** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	115	70	130			
Toluene	20	1.0	20.00	0	99.4	70	130			
Chlorobenzene	19	1.0	20.00	0	94.9	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	105	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	104	70	130			
Surr: 1,2-Dichloroethane-d4	12		10.00		118	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.8	70	130			
Surr: Dibromofluoromethane	11		10.00		110	70	130			
Surr: Toluene-d8	9.8		10.00		97.6	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R97040**	RunNo: **97040**
Prep Date:	Analysis Date: **5/25/2023**	SeqNo: **3521707** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305C39**

01-Jun-23

Client: City of Las Cruces

Project: CLC Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R97040**	RunNo: **97040**
Prep Date:	Analysis Date: **5/25/2023**	SeqNo: **3521707** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305C39**

01-Jun-23

Client: City of Las Cruces

Project: CLC Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R97040**	RunNo: **97040**
Prep Date:	Analysis Date: **5/25/2023**	SeqNo: **3521707** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	9.2		10.00		91.6	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.4		10.00		93.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces Work Order Number: 2305C39 RcptNo: 1

40 5/24/23

Received By: Tracy Casarrubias 5/24/2023 8:45:00 AM

Completed By: Tracy Casarrubias 5/24/2023 10:23:26 AM

Reviewed By: 5/24/23

Chain of Custody

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

Log In

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

jms 5/24/23

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: jms 5/24/23

Special Handling (if applicable)

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

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks: 1 40a from sample 002A was received broken.
jms 5/24/23.

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.6	Good	Not Present	Morty		

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces, NM 88004
Phone #: 575-528-3609
email or Fax#: lguerra@las-cruces.org
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: Joint Superfund Project
Monthly Analysis
Project #:
CLC-JSP Griggs Walnut
Project Manager:
Luis Guerra: ~~(LSA)~~ (FTM)
(575) 528-3609
Sampler: EM
On Ice: ☑ Yes ☐ No monty
# of Coolers: 1
Cooler Temp(including CF): 4.8-0.2=4.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2305C39	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
5/03/23	0901	Drinking water	CLC 18-230503	3-40ml Vials	HgCl2	001								X		
	0935		CLC 27-230503			002								X		
	0904		CLC 151-230503			003								X		
	0913		CLC ES1-230503			004								X		
	0907		CLC (FTM) ES C1-230503			005								X		
	0909		CLC C2-230503			006								X		
5/03/23	0910	Drinking water	CLC C2-230503 (Lamp)	3-40ml Vials	HgCl2	007								X		

Date:	Time:	Relinquished by:	Received by:	Via: ~~Fed Ex~~	Date	Time
5/03/23	1400				5/24/23	8:40
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send results to:
Luis Guerra: lguerra@las-cruces.org
Send invoice to CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 01, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2305C54

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/24/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-23052.3
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/23/2023 9:14:00 AM
Lab ID: 2305C54-001 **Matrix:** AIR
Received Date: 5/24/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Toluene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Ethylbenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Naphthalene	ND	0.20		µg/L	1	5/26/2023 1:20:00 PM	R97053
1-Methylnaphthalene	ND	0.40		µg/L	1	5/26/2023 1:20:00 PM	R97053
2-Methylnaphthalene	ND	0.40		µg/L	1	5/26/2023 1:20:00 PM	R97053
Acetone	ND	1.0		µg/L	1	5/26/2023 1:20:00 PM	R97053
Bromobenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Bromodichloromethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Bromoform	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Bromomethane	ND	0.20		µg/L	1	5/26/2023 1:20:00 PM	R97053
2-Butanone	ND	1.0		µg/L	1	5/26/2023 1:20:00 PM	R97053
Carbon disulfide	ND	1.0		µg/L	1	5/26/2023 1:20:00 PM	R97053
Carbon tetrachloride	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Chlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Chloroethane	ND	0.20		µg/L	1	5/26/2023 1:20:00 PM	R97053
Chloroform	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Chloromethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
2-Chlorotoluene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
4-Chlorotoluene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
cis-1,2-DCE	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	5/26/2023 1:20:00 PM	R97053
Dibromochloromethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Dibromomethane	ND	0.20		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,2-Dichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,3-Dichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,4-Dichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Dichlorodifluoromethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,1-Dichloroethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,1-Dichloroethene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,2-Dichloropropane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,3-Dichloropropane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
2,2-Dichloropropane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-23052.3
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/23/2023 9:14:00 AM
Lab ID: 2305C54-001 **Matrix:** AIR
Received Date: 5/24/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Hexachlorobutadiene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
2-Hexanone	ND	1.0		µg/L	1	5/26/2023 1:20:00 PM	R97053
Isopropylbenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
4-Isopropyltoluene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
4-Methyl-2-pentanone	ND	1.0		µg/L	1	5/26/2023 1:20:00 PM	R97053
Methylene chloride	ND	0.30		µg/L	1	5/26/2023 1:20:00 PM	R97053
n-Butylbenzene	ND	0.30		µg/L	1	5/26/2023 1:20:00 PM	R97053
n-Propylbenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
sec-Butylbenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Styrene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
tert-Butylbenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Tetrachloroethene (PCE)	0.12	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
trans-1,2-DCE	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,1,1-Trichloroethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,1,2-Trichloroethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Trichloroethene (TCE)	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Trichlorofluoromethane	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
1,2,3-Trichloropropane	ND	0.20		µg/L	1	5/26/2023 1:20:00 PM	R97053
Vinyl chloride	ND	0.10		µg/L	1	5/26/2023 1:20:00 PM	R97053
Xylenes, Total	ND	0.15		µg/L	1	5/26/2023 1:20:00 PM	R97053
Surr: Dibromofluoromethane	92.0	70-130		%Rec	1	5/26/2023 1:20:00 PM	R97053
Surr: 1,2-Dichloroethane-d4	86.7	70-130		%Rec	1	5/26/2023 1:20:00 PM	R97053
Surr: Toluene-d8	92.5	70-130		%Rec	1	5/26/2023 1:20:00 PM	R97053
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	5/26/2023 1:20:00 PM	R97053

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230523
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/23/2023 9:15:00 AM
Lab ID: 2305C54-002 **Matrix:** AIR
Received Date: 5/24/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Toluene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Ethylbenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Naphthalene	ND	0.20		µg/L	1	5/26/2023 1:45:00 PM	R97053
1-Methylnaphthalene	ND	0.40		µg/L	1	5/26/2023 1:45:00 PM	R97053
2-Methylnaphthalene	ND	0.40		µg/L	1	5/26/2023 1:45:00 PM	R97053
Acetone	ND	1.0		µg/L	1	5/26/2023 1:45:00 PM	R97053
Bromobenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Bromodichloromethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Bromoform	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Bromomethane	ND	0.20		µg/L	1	5/26/2023 1:45:00 PM	R97053
2-Butanone	ND	1.0		µg/L	1	5/26/2023 1:45:00 PM	R97053
Carbon disulfide	ND	1.0		µg/L	1	5/26/2023 1:45:00 PM	R97053
Carbon tetrachloride	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Chlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Chloroethane	ND	0.20		µg/L	1	5/26/2023 1:45:00 PM	R97053
Chloroform	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Chloromethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
2-Chlorotoluene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
4-Chlorotoluene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
cis-1,2-DCE	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	5/26/2023 1:45:00 PM	R97053
Dibromochloromethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Dibromomethane	ND	0.20		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,2-Dichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,3-Dichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,4-Dichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Dichlorodifluoromethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,1-Dichloroethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,1-Dichloroethene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,2-Dichloropropane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,3-Dichloropropane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
2,2-Dichloropropane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230523
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/23/2023 9:15:00 AM
Lab ID: 2305C54-002 **Matrix:** AIR
Received Date: 5/24/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Hexachlorobutadiene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
2-Hexanone	ND	1.0		µg/L	1	5/26/2023 1:45:00 PM	R97053
Isopropylbenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
4-Isopropyltoluene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
4-Methyl-2-pentanone	ND	1.0		µg/L	1	5/26/2023 1:45:00 PM	R97053
Methylene chloride	ND	0.30		µg/L	1	5/26/2023 1:45:00 PM	R97053
n-Butylbenzene	ND	0.30		µg/L	1	5/26/2023 1:45:00 PM	R97053
n-Propylbenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
sec-Butylbenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Styrene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
tert-Butylbenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Tetrachloroethene (PCE)	0.13	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
trans-1,2-DCE	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,1,1-Trichloroethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,1,2-Trichloroethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Trichloroethene (TCE)	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Trichlorofluoromethane	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
1,2,3-Trichloropropane	ND	0.20		µg/L	1	5/26/2023 1:45:00 PM	R97053
Vinyl chloride	ND	0.10		µg/L	1	5/26/2023 1:45:00 PM	R97053
Xylenes, Total	ND	0.15		µg/L	1	5/26/2023 1:45:00 PM	R97053
Surr: Dibromofluoromethane	92.1	70-130		%Rec	1	5/26/2023 1:45:00 PM	R97053
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%Rec	1	5/26/2023 1:45:00 PM	R97053
Surr: Toluene-d8	95.3	70-130		%Rec	1	5/26/2023 1:45:00 PM	R97053
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	5/26/2023 1:45:00 PM	R97053

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230523 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/23/2023 9:16:00 AM
Lab ID: 2305C54-003 **Matrix:** AIR
Received Date: 5/24/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Toluene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Ethylbenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Naphthalene	ND	0.20		µg/L	1	5/26/2023 2:09:00 PM	R97053
1-Methylnaphthalene	ND	0.40		µg/L	1	5/26/2023 2:09:00 PM	R97053
2-Methylnaphthalene	ND	0.40		µg/L	1	5/26/2023 2:09:00 PM	R97053
Acetone	ND	1.0		µg/L	1	5/26/2023 2:09:00 PM	R97053
Bromobenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Bromodichloromethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Bromoform	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Bromomethane	ND	0.20		µg/L	1	5/26/2023 2:09:00 PM	R97053
2-Butanone	ND	1.0		µg/L	1	5/26/2023 2:09:00 PM	R97053
Carbon disulfide	ND	1.0		µg/L	1	5/26/2023 2:09:00 PM	R97053
Carbon tetrachloride	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Chlorobenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Chloroethane	ND	0.20		µg/L	1	5/26/2023 2:09:00 PM	R97053
Chloroform	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Chloromethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
2-Chlorotoluene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
4-Chlorotoluene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
cis-1,2-DCE	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	5/26/2023 2:09:00 PM	R97053
Dibromochloromethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Dibromomethane	ND	0.20		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,2-Dichlorobenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,3-Dichlorobenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,4-Dichlorobenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Dichlorodifluoromethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,1-Dichloroethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,1-Dichloroethene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,2-Dichloropropane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,3-Dichloropropane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
2,2-Dichloropropane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230523 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 5/23/2023 9:16:00 AM
Lab ID: 2305C54-003 **Matrix:** AIR
Received Date: 5/24/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Hexachlorobutadiene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
2-Hexanone	ND	1.0		µg/L	1	5/26/2023 2:09:00 PM	R97053
Isopropylbenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
4-Isopropyltoluene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
4-Methyl-2-pentanone	ND	1.0		µg/L	1	5/26/2023 2:09:00 PM	R97053
Methylene chloride	ND	0.30		µg/L	1	5/26/2023 2:09:00 PM	R97053
n-Butylbenzene	ND	0.30		µg/L	1	5/26/2023 2:09:00 PM	R97053
n-Propylbenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
sec-Butylbenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Styrene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
tert-Butylbenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Tetrachloroethene (PCE)	0.20	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
trans-1,2-DCE	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,1,1-Trichloroethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,1,2-Trichloroethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Trichloroethene (TCE)	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Trichlorofluoromethane	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
1,2,3-Trichloropropane	ND	0.20		µg/L	1	5/26/2023 2:09:00 PM	R97053
Vinyl chloride	ND	0.10		µg/L	1	5/26/2023 2:09:00 PM	R97053
Xylenes, Total	ND	0.15		µg/L	1	5/26/2023 2:09:00 PM	R97053
Surr: Dibromofluoromethane	90.4	70-130		%Rec	1	5/26/2023 2:09:00 PM	R97053
Surr: 1,2-Dichloroethane-d4	89.1	70-130		%Rec	1	5/26/2023 2:09:00 PM	R97053
Surr: Toluene-d8	93.6	70-130		%Rec	1	5/26/2023 2:09:00 PM	R97053
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	5/26/2023 2:09:00 PM	R97053

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces Work Order Number: 2305C54 RcptNo: 1

Received By: Desiree Dominguez 5/24/2023 8:45:00 AM

Completed By: Desiree Dominguez 5/24/2023 12:03:18 PM

Reviewed By: CMC 5/24/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: MS 5/24/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	N/A	Good	Yes	N/A		

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces, NM 88004
Phone #: 575-528-3609
email or Fax#: lguerra@las-cruces.org
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: Joint Superfund Project Monthly Analysis
Project #: CLC USP Griggs Walnut
Project Manager: Luis Guerra: (575)528-3609
Sampler:
On Ice: ☐ Yes ☒ No
# of Coolers: 1
Cooler Temp(including CF): N/A (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2305C54	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
5/03/23	0914	Air	CLC AS1-230503	Teddler Bag	N/A	001								X		
1	0915	Air	CLC AS2-230503	Teddler Bag	N/A	002								X		
5/03/23	0916	Air	CLC AS2-230503(Dup)	Teddler Bag	N/A	003								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
5/03/23	1400			FedEx	5/24/23	8:45
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results to:
Luis Guerra: lguerra@las-cruces.org
Send invoice to CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 29, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2306C49

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/23/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230622
Project: Joint Superfund Project Monthly Analysi
Collection Date: 6/22/2023 9:08:00 AM
Lab ID: 2306C49-001 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Toluene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Ethylbenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Naphthalene	ND	2.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
2-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Acetone	ND	10		µg/L	1	6/28/2023 8:32:34 PM	R97800
Bromobenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Bromodichloromethane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Bromoform	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Bromomethane	ND	3.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
2-Butanone	ND	10		µg/L	1	6/28/2023 8:32:34 PM	R97800
Carbon disulfide	ND	10		µg/L	1	6/28/2023 8:32:34 PM	R97800
Carbon Tetrachloride	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Chlorobenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Chloroethane	ND	2.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Chloroform	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Chloromethane	ND	3.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
2-Chlorotoluene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
4-Chlorotoluene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
cis-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Dibromochloromethane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Dibromomethane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,1-Dichloroethane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,1-Dichloroethene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,2-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,3-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
2,2-Dichloropropane	ND	2.0		µg/L	1	6/28/2023 8:32:34 PM	R97800

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
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S	% Recovery outside of standard limits. If undiluted results may be estimated.

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Collection Date: 6/22/2023 9:08:00 AM
Lab ID: 2306C49-001 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Hexachlorobutadiene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
2-Hexanone	ND	10		µg/L	1	6/28/2023 8:32:34 PM	R97800
Isopropylbenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
4-Isopropyltoluene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
4-Methyl-2-pentanone	ND	10		µg/L	1	6/28/2023 8:32:34 PM	R97800
Methylene Chloride	ND	3.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
n-Butylbenzene	ND	3.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
n-Propylbenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
sec-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Styrene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
tert-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Tetrachloroethene (PCE)	4.4	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
trans-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Trichlorofluoromethane	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Vinyl chloride	ND	1.0		µg/L	1	6/28/2023 8:32:34 PM	R97800
Xylenes, Total	ND	1.5		µg/L	1	6/28/2023 8:32:34 PM	R97800
Surr: 1,2-Dichloroethane-d4	122	70-130		%Rec	1	6/28/2023 8:32:34 PM	R97800
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	6/28/2023 8:32:34 PM	R97800
Surr: Dibromofluoromethane	118	70-130		%Rec	1	6/28/2023 8:32:34 PM	R97800
Surr: Toluene-d8	97.0	70-130		%Rec	1	6/28/2023 8:32:34 PM	R97800

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Client Sample ID: CLC 27-230622
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Collection Date: 6/22/2023 9:28:00 AM
Lab ID: 2306C49-002 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Toluene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Ethylbenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Naphthalene	ND	2.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
2-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Acetone	ND	10		µg/L	1	6/28/2023 9:00:02 PM	R97800
Bromobenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Bromodichloromethane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Bromoform	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Bromomethane	ND	3.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
2-Butanone	ND	10		µg/L	1	6/28/2023 9:00:02 PM	R97800
Carbon disulfide	ND	10		µg/L	1	6/28/2023 9:00:02 PM	R97800
Carbon Tetrachloride	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Chlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Chloroethane	ND	2.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Chloroform	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Chloromethane	ND	3.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
2-Chlorotoluene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
4-Chlorotoluene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
cis-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Dibromochloromethane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Dibromomethane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,1-Dichloroethane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,1-Dichloroethene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,2-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,3-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
2,2-Dichloropropane	ND	2.0		µg/L	1	6/28/2023 9:00:02 PM	R97800

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Lab ID: 2306C49-002 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Hexachlorobutadiene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
2-Hexanone	ND	10		µg/L	1	6/28/2023 9:00:02 PM	R97800
Isopropylbenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
4-Isopropyltoluene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
4-Methyl-2-pentanone	ND	10		µg/L	1	6/28/2023 9:00:02 PM	R97800
Methylene Chloride	ND	3.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
n-Butylbenzene	ND	3.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
n-Propylbenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
sec-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Styrene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
tert-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Tetrachloroethene (PCE)	14	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
trans-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Trichlorofluoromethane	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Vinyl chloride	ND	1.0		µg/L	1	6/28/2023 9:00:02 PM	R97800
Xylenes, Total	ND	1.5		µg/L	1	6/28/2023 9:00:02 PM	R97800
Surr: 1,2-Dichloroethane-d4	119	70-130		%Rec	1	6/28/2023 9:00:02 PM	R97800
Surr: 4-Bromofluorobenzene	82.3	70-130		%Rec	1	6/28/2023 9:00:02 PM	R97800
Surr: Dibromofluoromethane	114	70-130		%Rec	1	6/28/2023 9:00:02 PM	R97800
Surr: Toluene-d8	99.8	70-130		%Rec	1	6/28/2023 9:00:02 PM	R97800

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Collection Date: 6/22/2023 9:13:00 AM
Lab ID: 2306C49-003 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
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Ethylbenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Naphthalene	ND	2.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
2-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Acetone	ND	10		µg/L	1	6/28/2023 9:27:34 PM	R97800
Bromobenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Bromodichloromethane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Bromoform	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Bromomethane	ND	3.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
2-Butanone	ND	10		µg/L	1	6/28/2023 9:27:34 PM	R97800
Carbon disulfide	ND	10		µg/L	1	6/28/2023 9:27:34 PM	R97800
Carbon Tetrachloride	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
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cis-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Dibromochloromethane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Dibromomethane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,1-Dichloroethane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,1-Dichloroethene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,2-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,3-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
2,2-Dichloropropane	ND	2.0		µg/L	1	6/28/2023 9:27:34 PM	R97800

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC I51-230622
Project: Joint Superfund Project Monthly Analysi
Collection Date: 6/22/2023 9:13:00 AM
Lab ID: 2306C49-003 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Hexachlorobutadiene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
2-Hexanone	ND	10		µg/L	1	6/28/2023 9:27:34 PM	R97800
Isopropylbenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
4-Isopropyltoluene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
4-Methyl-2-pentanone	ND	10		µg/L	1	6/28/2023 9:27:34 PM	R97800
Methylene Chloride	ND	3.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
n-Butylbenzene	ND	3.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
n-Propylbenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
sec-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Styrene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
tert-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Tetrachloroethene (PCE)	9.7	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
trans-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Trichlorofluoromethane	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Vinyl chloride	ND	1.0		µg/L	1	6/28/2023 9:27:34 PM	R97800
Xylenes, Total	ND	1.5		µg/L	1	6/28/2023 9:27:34 PM	R97800
Surr: 1,2-Dichloroethane-d4	123	70-130		%Rec	1	6/28/2023 9:27:34 PM	R97800
Surr: 4-Bromofluorobenzene	78.4	70-130		%Rec	1	6/28/2023 9:27:34 PM	R97800
Surr: Dibromofluoromethane	121	70-130		%Rec	1	6/28/2023 9:27:34 PM	R97800
Surr: Toluene-d8	95.7	70-130		%Rec	1	6/28/2023 9:27:34 PM	R97800

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC E51-230622
Project: Joint Superfund Project Monthly Analysi
Collection Date: 6/22/2023 9:16:00 AM
Lab ID: 2306C49-004 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Toluene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Ethylbenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Naphthalene	ND	2.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
2-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Acetone	ND	10		µg/L	1	6/28/2023 9:55:03 PM	R97800
Bromobenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Bromodichloromethane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Bromoform	6.5	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Bromomethane	ND	3.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
2-Butanone	ND	10		µg/L	1	6/28/2023 9:55:03 PM	R97800
Carbon disulfide	ND	10		µg/L	1	6/28/2023 9:55:03 PM	R97800
Carbon Tetrachloride	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Chlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Chloroethane	ND	2.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Chloroform	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Chloromethane	ND	3.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
2-Chlorotoluene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
4-Chlorotoluene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
cis-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Dibromochloromethane	2.2	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Dibromomethane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,1-Dichloroethane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,1-Dichloroethene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,2-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,3-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
2,2-Dichloropropane	ND	2.0		µg/L	1	6/28/2023 9:55:03 PM	R97800

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC E51-230622
Project: Joint Superfund Project Monthly Analysi
Collection Date: 6/22/2023 9:16:00 AM
Lab ID: 2306C49-004 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Hexachlorobutadiene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
2-Hexanone	ND	10		µg/L	1	6/28/2023 9:55:03 PM	R97800
Isopropylbenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
4-Isopropyltoluene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
4-Methyl-2-pentanone	ND	10		µg/L	1	6/28/2023 9:55:03 PM	R97800
Methylene Chloride	ND	3.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
n-Butylbenzene	ND	3.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
n-Propylbenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
sec-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Styrene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
tert-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
trans-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Trichlorofluoromethane	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Vinyl chloride	ND	1.0		µg/L	1	6/28/2023 9:55:03 PM	R97800
Xylenes, Total	ND	1.5		µg/L	1	6/28/2023 9:55:03 PM	R97800
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	6/28/2023 9:55:03 PM	R97800
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	6/28/2023 9:55:03 PM	R97800
Surr: Dibromofluoromethane	119	70-130		%Rec	1	6/28/2023 9:55:03 PM	R97800
Surr: Toluene-d8	94.7	70-130		%Rec	1	6/28/2023 9:55:03 PM	R97800

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC E51-230622 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 6/22/2023 9:17:00 AM
Lab ID: 2306C49-005 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Toluene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Ethylbenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Naphthalene	ND	2.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
2-Methylnaphthalene	ND	4.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Acetone	ND	10		µg/L	1	6/28/2023 10:22:33 PM	R97800
Bromobenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Bromodichloromethane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Bromoform	6.7	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Bromomethane	ND	3.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
2-Butanone	ND	10		µg/L	1	6/28/2023 10:22:33 PM	R97800
Carbon disulfide	ND	10		µg/L	1	6/28/2023 10:22:33 PM	R97800
Carbon Tetrachloride	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Chlorobenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Chloroethane	ND	2.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Chloroform	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Chloromethane	ND	3.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
2-Chlorotoluene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
4-Chlorotoluene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
cis-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Dibromochloromethane	2.6	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Dibromomethane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,1-Dichloroethane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,1-Dichloroethene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,2-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,3-Dichloropropane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
2,2-Dichloropropane	ND	2.0		µg/L	1	6/28/2023 10:22:33 PM	R97800

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC E51-230622 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 6/22/2023 9:17:00 AM
Lab ID: 2306C49-005 **Matrix:** AQUEOUS **Received Date:** 6/23/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Hexachlorobutadiene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
2-Hexanone	ND	10		µg/L	1	6/28/2023 10:22:33 PM	R97800
Isopropylbenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
4-Isopropyltoluene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
4-Methyl-2-pentanone	ND	10		µg/L	1	6/28/2023 10:22:33 PM	R97800
Methylene Chloride	ND	3.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
n-Butylbenzene	ND	3.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
n-Propylbenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
sec-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Styrene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
tert-Butylbenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
trans-1,2-DCE	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Trichlorofluoromethane	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Vinyl chloride	ND	1.0		µg/L	1	6/28/2023 10:22:33 PM	R97800
Xylenes, Total	ND	1.5		µg/L	1	6/28/2023 10:22:33 PM	R97800
Surr: 1,2-Dichloroethane-d4	121	70-130		%Rec	1	6/28/2023 10:22:33 PM	R97800
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	6/28/2023 10:22:33 PM	R97800
Surr: Dibromofluoromethane	119	70-130		%Rec	1	6/28/2023 10:22:33 PM	R97800
Surr: Toluene-d8	94.0	70-130		%Rec	1	6/28/2023 10:22:33 PM	R97800

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306C49**

29-Jun-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R97800**	RunNo: **97800**
Prep Date:	Analysis Date: **6/28/2023**	SeqNo: **3557380** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	25	1.0	20.00	0	123	70	130			
Toluene	21	1.0	20.00	0	104	70	130			
Chlorobenzene	19	1.0	20.00	0	95.6	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	106	70	130			
Trichloroethene (TCE)	23	1.0	20.00	0	115	70	130			
Surr: 1,2-Dichloroethane-d4	12		10.00		118	70	130			
Surr: 4-Bromofluorobenzene	8.6		10.00		86.5	70	130			
Surr: Dibromofluoromethane	12		10.00		118	70	130			
Surr: Toluene-d8	9.4		10.00		93.9	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R97800**	RunNo: **97800**
Prep Date:	Analysis Date: **6/28/2023**	SeqNo: **3557403** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306C49**

29-Jun-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R97800**	RunNo: **97800**
Prep Date:	Analysis Date: **6/28/2023**	SeqNo: **3557403** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306C49**

29-Jun-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R97800**	RunNo: **97800**
Prep Date:	Analysis Date: **6/28/2023**	SeqNo: **3557403** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	8.5		10.00		85.4	70	130			
Surr: Dibromofluoromethane	11		10.00		109	70	130			
Surr: Toluene-d8	9.5		10.00		94.9	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces | Work Order Number: 2306C49 | RcptNo: 1

Received By: Juan Rojas 6/23/2023 8:35:00 AM

Completed By: Tracy Casarrubias 6/23/2023 11:25:01 AM

Reviewed By: jm 6/23/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: Sam 06/23/23

Special Handling (if applicable)

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

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.0	Good	Not Present	Morty		

Chain-of-Custody Record

Client: City of Las Cruces Water Quality Laboratory

Mailing Address: P.O. Box 20000 Las Cruces NM 88004

Phone #: 575-528-3609

email or Fax#: lguerra@las-cruces.org

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☒ EDD (Type) EXCEL

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: Joint Superfund Project Monthly Analysis

Project #: CLC-JSP Griggs Walnut

Project Manager: Luis Guerra : (575) 528-3609

Sampler: Ed

On Ice: ☒ Yes ☐ No

# of Coolers: 1 Marty

Cooler Temp(including CF): 5.1-0.1=5.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2306C49	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6/22/23	0908	Drinking water	CLC 18 - 230622	3-40ml vials	HgCl2	001								X		
	0928		CLC 20 - 230622			002								X		
	0913		CLC 151 - 230622			003								X		
	0916		CLC ES1 - 230622			004								X		
6/22/23	0917	Drinking Water	CLC ES1 - 230622 (Dup)	3-40ml Vials	HgCl2	005								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6/22/23	1400	Ed				
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
				FedEx	6/23/23	8:35

Remarks: Send Results to:
Luis Guerra : lguerra@las-cruces.org
Send invoice to CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 24, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2307652

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 5 sample(s) on 7/14/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 18-230713
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 7/13/2023 7:06:00 AM
Lab ID: 2307652-001 **Matrix:** DRINKING W **Received Date:** 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Toluene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Ethylbenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Naphthalene	ND	2.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
2-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Acetone	ND	10		µg/L	1	7/21/2023 1:14:54 PM	R98435
Bromobenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Bromodichloromethane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Bromoform	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Bromomethane	ND	3.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
2-Butanone	ND	10		µg/L	1	7/21/2023 1:14:54 PM	R98435
Carbon disulfide	ND	10		µg/L	1	7/21/2023 1:14:54 PM	R98435
Carbon Tetrachloride	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Chlorobenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Chloroethane	ND	2.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Chloroform	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Chloromethane	ND	3.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
2-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
4-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
cis-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Dibromochloromethane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Dibromomethane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,1-Dichloroethane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,1-Dichloroethene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,2-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,3-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
2,2-Dichloropropane	ND	2.0		µg/L	1	7/21/2023 1:14:54 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 18-230713
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 7/13/2023 7:06:00 AM
Lab ID: 2307652-001 **Matrix:** DRINKING W **Received Date:** 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Hexachlorobutadiene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
2-Hexanone	ND	10		µg/L	1	7/21/2023 1:14:54 PM	R98435
Isopropylbenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
4-Isopropyltoluene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
4-Methyl-2-pentanone	ND	10		µg/L	1	7/21/2023 1:14:54 PM	R98435
Methylene Chloride	ND	3.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
n-Butylbenzene	ND	3.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
n-Propylbenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
sec-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Styrene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
tert-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Tetrachloroethene (PCE)	3.0	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
trans-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Trichlorofluoromethane	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Vinyl chloride	ND	1.0		µg/L	1	7/21/2023 1:14:54 PM	R98435
Xylenes, Total	ND	1.5		µg/L	1	7/21/2023 1:14:54 PM	R98435
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	1	7/21/2023 1:14:54 PM	R98435
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	7/21/2023 1:14:54 PM	R98435
Surr: Dibromofluoromethane	110	70-130		%Rec	1	7/21/2023 1:14:54 PM	R98435
Surr: Toluene-d8	98.2	70-130		%Rec	1	7/21/2023 1:14:54 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230713
Project: Joint Superfund Project Monthly Analysi
Collection Date: 7/13/2023 7:27:00 AM
Lab ID: 2307652-002
Matrix: DRINKING W
Received Date: 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Toluene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Ethylbenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Naphthalene	ND	2.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
2-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Acetone	ND	10		µg/L	1	7/21/2023 2:37:14 PM	R98435
Bromobenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Bromodichloromethane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Bromoform	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Bromomethane	ND	3.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
2-Butanone	ND	10		µg/L	1	7/21/2023 2:37:14 PM	R98435
Carbon disulfide	ND	10		µg/L	1	7/21/2023 2:37:14 PM	R98435
Carbon Tetrachloride	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Chlorobenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Chloroethane	ND	2.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Chloroform	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Chloromethane	ND	3.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
2-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
4-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
cis-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Dibromochloromethane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Dibromomethane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,1-Dichloroethane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,1-Dichloroethene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,2-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,3-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
2,2-Dichloropropane	ND	2.0		µg/L	1	7/21/2023 2:37:14 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230713
Project: Joint Superfund Project Monthly Analysi
Collection Date: 7/13/2023 7:27:00 AM
Lab ID: 2307652-002
Matrix: DRINKING W
Received Date: 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Hexachlorobutadiene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
2-Hexanone	ND	10		µg/L	1	7/21/2023 2:37:14 PM	R98435
Isopropylbenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
4-Isopropyltoluene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
4-Methyl-2-pentanone	ND	10		µg/L	1	7/21/2023 2:37:14 PM	R98435
Methylene Chloride	ND	3.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
n-Butylbenzene	ND	3.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
n-Propylbenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
sec-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Styrene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
tert-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Tetrachloroethene (PCE)	14	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
trans-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Trichlorofluoromethane	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Vinyl chloride	ND	1.0		µg/L	1	7/21/2023 2:37:14 PM	R98435
Xylenes, Total	ND	1.5		µg/L	1	7/21/2023 2:37:14 PM	R98435
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	7/21/2023 2:37:14 PM	R98435
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	7/21/2023 2:37:14 PM	R98435
Surr: Dibromofluoromethane	113	70-130		%Rec	1	7/21/2023 2:37:14 PM	R98435
Surr: Toluene-d8	100	70-130		%Rec	1	7/21/2023 2:37:14 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-230713
Project: Joint Superfund Project Monthly Analysi
Collection Date: 7/13/2023 7:11:00 AM
Lab ID: 2307652-003
Matrix: DRINKING W
Received Date: 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Toluene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Ethylbenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Naphthalene	ND	2.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
2-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Acetone	ND	10		µg/L	1	7/21/2023 3:04:41 PM	R98435
Bromobenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Bromodichloromethane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Bromoform	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Bromomethane	ND	3.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
2-Butanone	ND	10		µg/L	1	7/21/2023 3:04:41 PM	R98435
Carbon disulfide	ND	10		µg/L	1	7/21/2023 3:04:41 PM	R98435
Carbon Tetrachloride	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Chlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Chloroethane	ND	2.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Chloroform	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Chloromethane	ND	3.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
2-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
4-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
cis-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Dibromochloromethane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Dibromomethane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,1-Dichloroethane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,1-Dichloroethene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,2-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,3-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
2,2-Dichloropropane	ND	2.0		µg/L	1	7/21/2023 3:04:41 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-230713
Project: Joint Superfund Project Monthly Analysi
Collection Date: 7/13/2023 7:11:00 AM
Lab ID: 2307652-003
Matrix: DRINKING W
Received Date: 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Hexachlorobutadiene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
2-Hexanone	ND	10		µg/L	1	7/21/2023 3:04:41 PM	R98435
Isopropylbenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
4-Isopropyltoluene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
4-Methyl-2-pentanone	ND	10		µg/L	1	7/21/2023 3:04:41 PM	R98435
Methylene Chloride	ND	3.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
n-Butylbenzene	ND	3.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
n-Propylbenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
sec-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Styrene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
tert-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Tetrachloroethene (PCE)	12	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
trans-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Trichlorofluoromethane	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Vinyl chloride	ND	1.0		µg/L	1	7/21/2023 3:04:41 PM	R98435
Xylenes, Total	ND	1.5		µg/L	1	7/21/2023 3:04:41 PM	R98435
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	1	7/21/2023 3:04:41 PM	R98435
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	7/21/2023 3:04:41 PM	R98435
Surr: Dibromofluoromethane	109	70-130		%Rec	1	7/21/2023 3:04:41 PM	R98435
Surr: Toluene-d8	96.1	70-130		%Rec	1	7/21/2023 3:04:41 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-230713 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 7/13/2023 7:12:00 AM
Lab ID: 2307652-004
Matrix: DRINKING W
Received Date: 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Toluene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Ethylbenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Naphthalene	ND	2.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
2-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Acetone	ND	10		µg/L	1	7/21/2023 3:32:11 PM	R98435
Bromobenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Bromodichloromethane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Bromoform	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Bromomethane	ND	3.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
2-Butanone	ND	10		µg/L	1	7/21/2023 3:32:11 PM	R98435
Carbon disulfide	ND	10		µg/L	1	7/21/2023 3:32:11 PM	R98435
Carbon Tetrachloride	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Chlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Chloroethane	ND	2.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Chloroform	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Chloromethane	ND	3.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
2-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
4-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
cis-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Dibromochloromethane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Dibromomethane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,1-Dichloroethane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,1-Dichloroethene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,2-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,3-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
2,2-Dichloropropane	ND	2.0		µg/L	1	7/21/2023 3:32:11 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-230713 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 7/13/2023 7:12:00 AM
Lab ID: 2307652-004
Matrix: DRINKING W
Received Date: 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Hexachlorobutadiene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
2-Hexanone	ND	10		µg/L	1	7/21/2023 3:32:11 PM	R98435
Isopropylbenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
4-Isopropyltoluene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
4-Methyl-2-pentanone	ND	10		µg/L	1	7/21/2023 3:32:11 PM	R98435
Methylene Chloride	ND	3.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
n-Butylbenzene	ND	3.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
n-Propylbenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
sec-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Styrene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
tert-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Tetrachloroethene (PCE)	13	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
trans-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Trichlorofluoromethane	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Vinyl chloride	ND	1.0		µg/L	1	7/21/2023 3:32:11 PM	R98435
Xylenes, Total	ND	1.5		µg/L	1	7/21/2023 3:32:11 PM	R98435
Surr: 1,2-Dichloroethane-d4	119	70-130		%Rec	1	7/21/2023 3:32:11 PM	R98435
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	7/21/2023 3:32:11 PM	R98435
Surr: Dibromofluoromethane	112	70-130		%Rec	1	7/21/2023 3:32:11 PM	R98435
Surr: Toluene-d8	99.0	70-130		%Rec	1	7/21/2023 3:32:11 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-230713
Project: Joint Superfund Project Monthly Analysi
Collection Date: 7/13/2023 7:16:00 AM
Lab ID: 2307652-005
Matrix: DRINKING W
Received Date: 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Toluene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Ethylbenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Naphthalene	ND	2.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
2-Methylnaphthalene	ND	4.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Acetone	ND	10		µg/L	1	7/21/2023 3:59:40 PM	R98435
Bromobenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Bromodichloromethane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Bromoform	6.8	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Bromomethane	ND	3.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
2-Butanone	ND	10		µg/L	1	7/21/2023 3:59:40 PM	R98435
Carbon disulfide	ND	10		µg/L	1	7/21/2023 3:59:40 PM	R98435
Carbon Tetrachloride	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Chlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Chloroethane	ND	2.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Chloroform	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Chloromethane	ND	3.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
2-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
4-Chlorotoluene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
cis-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Dibromochloromethane	1.8	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Dibromomethane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,1-Dichloroethane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,1-Dichloroethene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,2-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,3-Dichloropropane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
2,2-Dichloropropane	ND	2.0		µg/L	1	7/21/2023 3:59:40 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-230713
Project: Joint Superfund Project Monthly Analysi
Collection Date: 7/13/2023 7:16:00 AM
Lab ID: 2307652-005
Matrix: DRINKING W
Received Date: 7/14/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Hexachlorobutadiene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
2-Hexanone	ND	10		µg/L	1	7/21/2023 3:59:40 PM	R98435
Isopropylbenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
4-Isopropyltoluene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
4-Methyl-2-pentanone	ND	10		µg/L	1	7/21/2023 3:59:40 PM	R98435
Methylene Chloride	ND	3.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
n-Butylbenzene	ND	3.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
n-Propylbenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
sec-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Styrene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
tert-Butylbenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
trans-1,2-DCE	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Trichlorofluoromethane	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Vinyl chloride	ND	1.0		µg/L	1	7/21/2023 3:59:40 PM	R98435
Xylenes, Total	ND	1.5		µg/L	1	7/21/2023 3:59:40 PM	R98435
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	1	7/21/2023 3:59:40 PM	R98435
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	7/21/2023 3:59:40 PM	R98435
Surr: Dibromofluoromethane	110	70-130		%Rec	1	7/21/2023 3:59:40 PM	R98435
Surr: Toluene-d8	94.4	70-130		%Rec	1	7/21/2023 3:59:40 PM	R98435

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307652**

24-Jul-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R98435**	RunNo: **98435**
Prep Date:	Analysis Date: **7/21/2023**	SeqNo: **3583314** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.9	70	130			
Toluene	20	1.0	20.00	0	100	70	130			
Chlorobenzene	20	1.0	20.00	0	99.1	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	99.6	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	99.3	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.6	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R98435**	RunNo: **98435**
Prep Date:	Analysis Date: **7/21/2023**	SeqNo: **3583333** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307652**

24-Jul-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R98435**	RunNo: **98435**
Prep Date:	Analysis Date: **7/21/2023**	SeqNo: **3583333** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307652**

24-Jul-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R98435**	RunNo: **98435**
Prep Date:	Analysis Date: **7/21/2023**	SeqNo: **3583333** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		107	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.4	70	130			
Surr: Dibromofluoromethane	11		10.00		110	70	130			
Surr: Toluene-d8	10		10.00		99.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces Work Order Number: 2307652 RcptNo: 1

Received By: Desiree Dominguez 7/14/2023 9:00:00 AM

Completed By: Desiree Dominguez 7/14/2023 10:34:39 AM

Reviewed By: 7-14-23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JM 7/14/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.7	Good	Not Present	Morty		

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces, N.M. 88004
Phone #: 575-528-3609
email or Fax#: lguerra@las-cruces.org
QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☑ EDD (Type) EXCEL

Turn-Around Time:
☑ Standard ☐ Rush
Project Name: Joint Superfund Project Monthly Analysis
Project #: CLC-JSP Griggs Walnut
Project Manager: Luis Guerra (575) 528-3609
Sampler: Yadira Reyna
On Ice: ☒ Yes ☐ No
# of Coolers: 1 Morty
Cooler Temp (Including CF): 3.7 ± 0.0 = 3.7 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2307652
7/13/23	0706	Drinking Water	CLC 18-230713	3-40ml Vials	$HgCl_2$	-001
	0727		CLC 27-230713			-002
	0711		CLC ISI-230713			-003
	0712		CLC ISI-230713 DUP			-004
7/13/23	0716	Drinking Water	CLC ESI-230713	3-40ml Vials	$HgCl_2$	-005

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
							✓		
							✓		
							✓		
							✓		
							✓		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7/13/23	1300	Yadira Reyna		Fed Ex	7/14/23	9:00
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

September 12, 2023

Luis Guerra

City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3635
FAX: (575) 528-3513

RE: Joint Super Fun Project Monthly Analysis OrderNo.: 2308G26

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/30/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230829
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 8:03:00 AM
Lab ID: 2308G26-001
Matrix: AQUEOUS
Received Date: 8/30/2023 8:30:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Benzene	ND	0.23	1.0		µg/L	1	9/1/2023 3:22:22 PM
Toluene	ND	0.25	1.0		µg/L	1	9/1/2023 3:22:22 PM
Ethylbenzene	ND	0.21	1.0		µg/L	1	9/1/2023 3:22:22 PM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	9/1/2023 3:22:22 PM
Naphthalene	ND	0.24	2.0		µg/L	1	9/1/2023 3:22:22 PM
1-Methylnaphthalene	ND	2.0	4.0		µg/L	1	9/1/2023 3:22:22 PM
2-Methylnaphthalene	ND	2.0	4.0		µg/L	1	9/1/2023 3:22:22 PM
Acetone	ND	2.5	10		µg/L	1	9/1/2023 3:22:22 PM
Bromobenzene	ND	0.28	1.0		µg/L	1	9/1/2023 3:22:22 PM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	9/1/2023 3:22:22 PM
Bromoform	ND	0.31	1.0		µg/L	1	9/1/2023 3:22:22 PM
Bromomethane	ND	1.0	3.0		µg/L	1	9/1/2023 3:22:22 PM
2-Butanone	ND	2.0	10		µg/L	1	9/1/2023 3:22:22 PM
Carbon disulfide	ND	1.0	10		µg/L	1	9/1/2023 3:22:22 PM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	9/1/2023 3:22:22 PM
Chlorobenzene	ND	0.46	1.0		µg/L	1	9/1/2023 3:22:22 PM
Chloroethane	ND	0.38	2.0		µg/L	1	9/1/2023 3:22:22 PM
Chloroform	ND	0.25	1.0		µg/L	1	9/1/2023 3:22:22 PM
Chloromethane	ND	0.41	3.0		µg/L	1	9/1/2023 3:22:22 PM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 3:22:22 PM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 3:22:22 PM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	9/1/2023 3:22:22 PM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	9/1/2023 3:22:22 PM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	9/1/2023 3:22:22 PM
Dibromomethane	ND	0.31	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	9/1/2023 3:22:22 PM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	9/1/2023 3:22:22 PM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	9/1/2023 3:22:22 PM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	9/1/2023 3:22:22 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230829
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 8:03:00 AM
Lab ID: 2308G26-001 **Matrix:** AQUEOUS **Received Date:** 8/30/2023 8:30:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	9/1/2023 3:22:22 PM
2-Hexanone	ND	1.8	10		µg/L	1	9/1/2023 3:22:22 PM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 3:22:22 PM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	9/1/2023 3:22:22 PM
4-Methyl-2-pentanone	ND	1.5	10		µg/L	1	9/1/2023 3:22:22 PM
Methylene Chloride	ND	1.2	3.0		µg/L	1	9/1/2023 3:22:22 PM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	9/1/2023 3:22:22 PM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	9/1/2023 3:22:22 PM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	9/1/2023 3:22:22 PM
Styrene	ND	0.14	1.0		µg/L	1	9/1/2023 3:22:22 PM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	9/1/2023 3:22:22 PM
Tetrachloroethene (PCE)	3.1	0.18	1.0		µg/L	1	9/1/2023 3:22:22 PM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	9/1/2023 3:22:22 PM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,2,3-Trichlorobenzene	ND	0.40	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	9/1/2023 3:22:22 PM
Trichloroethene (TCE)	ND	0.20	1.0		µg/L	1	9/1/2023 3:22:22 PM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	9/1/2023 3:22:22 PM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	9/1/2023 3:22:22 PM
Vinyl chloride	ND	0.32	1.0		µg/L	1	9/1/2023 3:22:22 PM
Xylenes, Total	ND	0.37	1.5		µg/L	1	9/1/2023 3:22:22 PM
Surr: 1,2-Dichloroethane-d4	106	0	70-130		%Rec	1	9/1/2023 3:22:22 PM
Surr: 4-Bromofluorobenzene	103	0	70-130		%Rec	1	9/1/2023 3:22:22 PM
Surr: Dibromofluoromethane	99.7	0	70-130		%Rec	1	9/1/2023 3:22:22 PM
Surr: Toluene-d8	98.7	0	70-130		%Rec	1	9/1/2023 3:22:22 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230829(Dup)
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 8:04:00 AM
Lab ID: 2308G26-002
Matrix: AQUEOUS
Received Date: 8/30/2023 8:30:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Benzene	ND	0.23	1.0		µg/L	1	9/1/2023 3:50:55 PM
Toluene	ND	0.25	1.0		µg/L	1	9/1/2023 3:50:55 PM
Ethylbenzene	ND	0.21	1.0		µg/L	1	9/1/2023 3:50:55 PM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	9/1/2023 3:50:55 PM
Naphthalene	ND	0.24	2.0		µg/L	1	9/1/2023 3:50:55 PM
1-Methylnaphthalene	ND	2.0	4.0		µg/L	1	9/1/2023 3:50:55 PM
2-Methylnaphthalene	ND	2.0	4.0		µg/L	1	9/1/2023 3:50:55 PM
Acetone	ND	2.5	10		µg/L	1	9/1/2023 3:50:55 PM
Bromobenzene	ND	0.28	1.0		µg/L	1	9/1/2023 3:50:55 PM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	9/1/2023 3:50:55 PM
Bromoform	ND	0.31	1.0		µg/L	1	9/1/2023 3:50:55 PM
Bromomethane	ND	1.0	3.0		µg/L	1	9/1/2023 3:50:55 PM
2-Butanone	ND	2.0	10		µg/L	1	9/1/2023 3:50:55 PM
Carbon disulfide	ND	1.0	10		µg/L	1	9/1/2023 3:50:55 PM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	9/1/2023 3:50:55 PM
Chlorobenzene	ND	0.46	1.0		µg/L	1	9/1/2023 3:50:55 PM
Chloroethane	ND	0.38	2.0		µg/L	1	9/1/2023 3:50:55 PM
Chloroform	ND	0.25	1.0		µg/L	1	9/1/2023 3:50:55 PM
Chloromethane	ND	0.41	3.0		µg/L	1	9/1/2023 3:50:55 PM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 3:50:55 PM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 3:50:55 PM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	9/1/2023 3:50:55 PM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	9/1/2023 3:50:55 PM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	9/1/2023 3:50:55 PM
Dibromomethane	ND	0.31	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	9/1/2023 3:50:55 PM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	9/1/2023 3:50:55 PM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	9/1/2023 3:50:55 PM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	9/1/2023 3:50:55 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230829(Dup)
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 8:04:00 AM
Lab ID: 2308G26-002
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Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	9/1/2023 3:50:55 PM
2-Hexanone	ND	1.8	10		µg/L	1	9/1/2023 3:50:55 PM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 3:50:55 PM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	9/1/2023 3:50:55 PM
4-Methyl-2-pentanone	ND	1.5	10		µg/L	1	9/1/2023 3:50:55 PM
Methylene Chloride	ND	1.2	3.0		µg/L	1	9/1/2023 3:50:55 PM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	9/1/2023 3:50:55 PM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	9/1/2023 3:50:55 PM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	9/1/2023 3:50:55 PM
Styrene	ND	0.14	1.0		µg/L	1	9/1/2023 3:50:55 PM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	9/1/2023 3:50:55 PM
Tetrachloroethene (PCE)	3.4	0.18	1.0		µg/L	1	9/1/2023 3:50:55 PM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	9/1/2023 3:50:55 PM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,2,3-Trichlorobenzene	ND	0.40	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	9/1/2023 3:50:55 PM
Trichloroethene (TCE)	ND	0.20	1.0		µg/L	1	9/1/2023 3:50:55 PM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	9/1/2023 3:50:55 PM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	9/1/2023 3:50:55 PM
Vinyl chloride	ND	0.32	1.0		µg/L	1	9/1/2023 3:50:55 PM
Xylenes, Total	ND	0.37	1.5		µg/L	1	9/1/2023 3:50:55 PM
Surr: 1,2-Dichloroethane-d4	102	0	70-130		%Rec	1	9/1/2023 3:50:55 PM
Surr: 4-Bromofluorobenzene	102	0	70-130		%Rec	1	9/1/2023 3:50:55 PM
Surr: Dibromofluoromethane	95.4	0	70-130		%Rec	1	9/1/2023 3:50:55 PM
Surr: Toluene-d8	100	0	70-130		%Rec	1	9/1/2023 3:50:55 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230829
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 7:29:00 AM
Lab ID: 2308G26-003
Matrix: AQUEOUS
Received Date: 8/30/2023 8:30:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Benzene	ND	0.23	1.0		µg/L	1	9/1/2023 5:09:29 AM
Toluene	ND	0.20	1.0		µg/L	1	9/1/2023 5:09:29 AM
Ethylbenzene	ND	0.21	1.0		µg/L	1	9/1/2023 5:09:29 AM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	9/1/2023 5:09:29 AM
Naphthalene	ND	0.24	2.0		µg/L	1	9/1/2023 5:09:29 AM
1-Methylnaphthalene	ND	0.84	4.0		µg/L	1	9/1/2023 5:09:29 AM
2-Methylnaphthalene	ND	0.69	4.0		µg/L	1	9/1/2023 5:09:29 AM
Acetone	ND	2.5	10		µg/L	1	9/1/2023 5:09:29 AM
Bromobenzene	ND	0.28	1.0		µg/L	1	9/1/2023 5:09:29 AM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	9/1/2023 5:09:29 AM
Bromoform	ND	0.31	1.0		µg/L	1	9/1/2023 5:09:29 AM
Bromomethane	ND	0.85	3.0		µg/L	1	9/1/2023 5:09:29 AM
2-Butanone	ND	2.0	10		µg/L	1	9/1/2023 5:09:29 AM
Carbon disulfide	ND	0.59	10		µg/L	1	9/1/2023 5:09:29 AM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	9/1/2023 5:09:29 AM
Chlorobenzene	ND	0.46	1.0		µg/L	1	9/1/2023 5:09:29 AM
Chloroethane	ND	0.38	2.0		µg/L	1	9/1/2023 5:09:29 AM
Chloroform	ND	0.13	1.0		µg/L	1	9/1/2023 5:09:29 AM
Chloromethane	ND	0.41	3.0		µg/L	1	9/1/2023 5:09:29 AM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 5:09:29 AM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 5:09:29 AM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	9/1/2023 5:09:29 AM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	9/1/2023 5:09:29 AM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	9/1/2023 5:09:29 AM
Dibromomethane	ND	0.31	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	9/1/2023 5:09:29 AM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	9/1/2023 5:09:29 AM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	9/1/2023 5:09:29 AM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	9/1/2023 5:09:29 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230829
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 7:29:00 AM
Lab ID: 2308G26-003
Matrix: AQUEOUS
Received Date: 8/30/2023 8:30:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	9/1/2023 5:09:29 AM
2-Hexanone	ND	1.8	10		µg/L	1	9/1/2023 5:09:29 AM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 5:09:29 AM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	9/1/2023 5:09:29 AM
4-Methyl-2-pentanone	ND	0.67	10		µg/L	1	9/1/2023 5:09:29 AM
Methylene Chloride	ND	0.50	3.0		µg/L	1	9/1/2023 5:09:29 AM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	9/1/2023 5:09:29 AM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	9/1/2023 5:09:29 AM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	9/1/2023 5:09:29 AM
Styrene	ND	0.14	1.0		µg/L	1	9/1/2023 5:09:29 AM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	9/1/2023 5:09:29 AM
Tetrachloroethene (PCE)	15	0.18	1.0		µg/L	1	9/1/2023 5:09:29 AM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	9/1/2023 5:09:29 AM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,2,3-Trichlorobenzene	ND	0.25	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	9/1/2023 5:09:29 AM
Trichloroethene (TCE)	0.41	0.20	1.0	J	µg/L	1	9/1/2023 5:09:29 AM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	9/1/2023 5:09:29 AM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	9/1/2023 5:09:29 AM
Vinyl chloride	ND	0.32	1.0		µg/L	1	9/1/2023 5:09:29 AM
Xylenes, Total	ND	0.37	1.5		µg/L	1	9/1/2023 5:09:29 AM
Surr: 1,2-Dichloroethane-d4	101	0	70-130		%Rec	1	9/1/2023 5:09:29 AM
Surr: 4-Bromofluorobenzene	99.1	0	70-130		%Rec	1	9/1/2023 5:09:29 AM
Surr: Dibromofluoromethane	91.2	0	70-130		%Rec	1	9/1/2023 5:09:29 AM
Surr: Toluene-d8	98.1	0	70-130		%Rec	1	9/1/2023 5:09:29 AM

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ISI-230829
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 7:10:00 AM
Lab ID: 2308G26-004
Matrix: AQUEOUS
Received Date: 8/30/2023 8:30:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Benzene	ND	0.23	1.0		µg/L	1	9/1/2023 5:37:44 AM
Toluene	ND	0.20	1.0		µg/L	1	9/1/2023 5:37:44 AM
Ethylbenzene	ND	0.21	1.0		µg/L	1	9/1/2023 5:37:44 AM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	9/1/2023 5:37:44 AM
Naphthalene	ND	0.24	2.0		µg/L	1	9/1/2023 5:37:44 AM
1-Methylnaphthalene	ND	0.84	4.0		µg/L	1	9/1/2023 5:37:44 AM
2-Methylnaphthalene	ND	0.69	4.0		µg/L	1	9/1/2023 5:37:44 AM
Acetone	ND	2.5	10		µg/L	1	9/1/2023 5:37:44 AM
Bromobenzene	ND	0.28	1.0		µg/L	1	9/1/2023 5:37:44 AM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	9/1/2023 5:37:44 AM
Bromoform	ND	0.31	1.0		µg/L	1	9/1/2023 5:37:44 AM
Bromomethane	ND	0.85	3.0		µg/L	1	9/1/2023 5:37:44 AM
2-Butanone	ND	2.0	10		µg/L	1	9/1/2023 5:37:44 AM
Carbon disulfide	ND	0.59	10		µg/L	1	9/1/2023 5:37:44 AM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	9/1/2023 5:37:44 AM
Chlorobenzene	ND	0.46	1.0		µg/L	1	9/1/2023 5:37:44 AM
Chloroethane	ND	0.38	2.0		µg/L	1	9/1/2023 5:37:44 AM
Chloroform	ND	0.13	1.0		µg/L	1	9/1/2023 5:37:44 AM
Chloromethane	ND	0.41	3.0		µg/L	1	9/1/2023 5:37:44 AM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 5:37:44 AM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 5:37:44 AM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	9/1/2023 5:37:44 AM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	9/1/2023 5:37:44 AM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	9/1/2023 5:37:44 AM
Dibromomethane	ND	0.31	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	9/1/2023 5:37:44 AM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	9/1/2023 5:37:44 AM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	9/1/2023 5:37:44 AM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	9/1/2023 5:37:44 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ISI-230829
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 7:10:00 AM
Lab ID: 2308G26-004
Matrix: AQUEOUS
Received Date: 8/30/2023 8:30:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	9/1/2023 5:37:44 AM
2-Hexanone	ND	1.8	10		µg/L	1	9/1/2023 5:37:44 AM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 5:37:44 AM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	9/1/2023 5:37:44 AM
4-Methyl-2-pentanone	ND	0.67	10		µg/L	1	9/1/2023 5:37:44 AM
Methylene Chloride	ND	0.50	3.0		µg/L	1	9/1/2023 5:37:44 AM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	9/1/2023 5:37:44 AM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	9/1/2023 5:37:44 AM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	9/1/2023 5:37:44 AM
Styrene	ND	0.14	1.0		µg/L	1	9/1/2023 5:37:44 AM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	9/1/2023 5:37:44 AM
Tetrachloroethene (PCE)	12	0.18	1.0		µg/L	1	9/1/2023 5:37:44 AM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	9/1/2023 5:37:44 AM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,2,3-Trichlorobenzene	ND	0.25	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	9/1/2023 5:37:44 AM
Trichloroethene (TCE)	0.36	0.20	1.0	J	µg/L	1	9/1/2023 5:37:44 AM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	9/1/2023 5:37:44 AM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	9/1/2023 5:37:44 AM
Vinyl chloride	ND	0.32	1.0		µg/L	1	9/1/2023 5:37:44 AM
Xylenes, Total	ND	0.37	1.5		µg/L	1	9/1/2023 5:37:44 AM
Surr: 1,2-Dichloroethane-d4	102	0	70-130		%Rec	1	9/1/2023 5:37:44 AM
Surr: 4-Bromofluorobenzene	101	0	70-130		%Rec	1	9/1/2023 5:37:44 AM
Surr: Dibromofluoromethane	96.0	0	70-130		%Rec	1	9/1/2023 5:37:44 AM
Surr: Toluene-d8	101	0	70-130		%Rec	1	9/1/2023 5:37:44 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ESI-230829
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 7:08:00 AM
Lab ID: 2308G26-005
Matrix: AQUEOUS
Received Date: 8/30/2023 8:30:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Benzene	ND	0.23	1.0		µg/L	1	9/1/2023 6:05:50 AM
Toluene	ND	0.20	1.0		µg/L	1	9/1/2023 6:05:50 AM
Ethylbenzene	ND	0.21	1.0		µg/L	1	9/1/2023 6:05:50 AM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	9/1/2023 6:05:50 AM
Naphthalene	ND	0.24	2.0		µg/L	1	9/1/2023 6:05:50 AM
1-Methylnaphthalene	ND	0.84	4.0		µg/L	1	9/1/2023 6:05:50 AM
2-Methylnaphthalene	ND	0.69	4.0		µg/L	1	9/1/2023 6:05:50 AM
Acetone	ND	2.5	10		µg/L	1	9/1/2023 6:05:50 AM
Bromobenzene	ND	0.28	1.0		µg/L	1	9/1/2023 6:05:50 AM
Bromodichloromethane	0.54	0.20	1.0	J	µg/L	1	9/1/2023 6:05:50 AM
Bromoform	5.9	0.31	1.0		µg/L	1	9/1/2023 6:05:50 AM
Bromomethane	ND	0.85	3.0		µg/L	1	9/1/2023 6:05:50 AM
2-Butanone	ND	2.0	10		µg/L	1	9/1/2023 6:05:50 AM
Carbon disulfide	ND	0.59	10		µg/L	1	9/1/2023 6:05:50 AM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	9/1/2023 6:05:50 AM
Chlorobenzene	ND	0.46	1.0		µg/L	1	9/1/2023 6:05:50 AM
Chloroethane	ND	0.38	2.0		µg/L	1	9/1/2023 6:05:50 AM
Chloroform	ND	0.13	1.0		µg/L	1	9/1/2023 6:05:50 AM
Chloromethane	ND	0.41	3.0		µg/L	1	9/1/2023 6:05:50 AM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 6:05:50 AM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	9/1/2023 6:05:50 AM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	9/1/2023 6:05:50 AM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	9/1/2023 6:05:50 AM
Dibromochloromethane	1.7	0.28	1.0		µg/L	1	9/1/2023 6:05:50 AM
Dibromomethane	ND	0.31	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	9/1/2023 6:05:50 AM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	9/1/2023 6:05:50 AM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	9/1/2023 6:05:50 AM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	9/1/2023 6:05:50 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ESI-230829
Project: Joint Super Fun Project Monthly Analysis
Collection Date: 8/29/2023 7:08:00 AM
Lab ID: 2308G26-005
Matrix: AQUEOUS
Received Date: 8/30/2023 8:30:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **JR**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	9/1/2023 6:05:50 AM
2-Hexanone	ND	1.8	10		µg/L	1	9/1/2023 6:05:50 AM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	9/1/2023 6:05:50 AM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	9/1/2023 6:05:50 AM
4-Methyl-2-pentanone	ND	0.67	10		µg/L	1	9/1/2023 6:05:50 AM
Methylene Chloride	ND	0.50	3.0		µg/L	1	9/1/2023 6:05:50 AM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	9/1/2023 6:05:50 AM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	9/1/2023 6:05:50 AM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	9/1/2023 6:05:50 AM
Styrene	ND	0.14	1.0		µg/L	1	9/1/2023 6:05:50 AM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	9/1/2023 6:05:50 AM
Tetrachloroethene (PCE)	ND	0.18	1.0		µg/L	1	9/1/2023 6:05:50 AM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	9/1/2023 6:05:50 AM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,2,3-Trichlorobenzene	ND	0.25	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	9/1/2023 6:05:50 AM
Trichloroethene (TCE)	ND	0.20	1.0		µg/L	1	9/1/2023 6:05:50 AM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	9/1/2023 6:05:50 AM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	9/1/2023 6:05:50 AM
Vinyl chloride	ND	0.32	1.0		µg/L	1	9/1/2023 6:05:50 AM
Xylenes, Total	ND	0.37	1.5		µg/L	1	9/1/2023 6:05:50 AM
Surr: 1,2-Dichloroethane-d4	101	0	70-130		%Rec	1	9/1/2023 6:05:50 AM
Surr: 4-Bromofluorobenzene	102	0	70-130		%Rec	1	9/1/2023 6:05:50 AM
Surr: Dibromofluoromethane	90.4	0	70-130		%Rec	1	9/1/2023 6:05:50 AM
Surr: Toluene-d8	97.3	0	70-130		%Rec	1	9/1/2023 6:05:50 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G26**

12-Sep-23

Client: City of Las Cruces

Project: Joint Super Fun Project Monthly Analysis

Sample ID: **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B99398**	RunNo: **99398**
Prep Date:	Analysis Date: **8/31/2023**	SeqNo: **3627134** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	114	70	130			
Toluene	22	1.0	20.00	0	110	70	130			
Chlorobenzene	22	1.0	20.00	0	111	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	104	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	105	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	9.2		10.00		92.3	70	130			
Surr: Toluene-d8	9.6		10.00		95.6	70	130			

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B99398**	RunNo: **99398**
Prep Date:	Analysis Date: **8/31/2023**	SeqNo: **3627172** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G26**

12-Sep-23

Client: City of Las Cruces

Project: Joint Super Fun Project Monthly Analysis

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B99398**	RunNo: **99398**
Prep Date:	Analysis Date: **8/31/2023**	SeqNo: **3627172** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G26**

12-Sep-23

Client: City of Las Cruces

Project: Joint Super Fun Project Monthly Analysis

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B99398**	RunNo: **99398**
Prep Date:	Analysis Date: **8/31/2023**	SeqNo: **3627172** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	9.2		10.00		92.2	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R99433**	RunNo: **99433**
Prep Date:	Analysis Date: **9/1/2023**	SeqNo: **3629024** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G26**

12-Sep-23

Client: City of Las Cruces

Project: Joint Super Fun Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R99433**	RunNo: **99433**
Prep Date:	Analysis Date: **9/1/2023**	SeqNo: **3629024** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G26**

12-Sep-23

Client: City of Las Cruces

Project: Joint Super Fun Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R99433**	RunNo: **99433**
Prep Date:	Analysis Date: **9/1/2023**	SeqNo: **3629024** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130			
Surr: Dibromofluoromethane	9.4		10.00		94.4	70	130			
Surr: Toluene-d8	9.7		10.00		97.3	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R99433**	RunNo: **99433**
Prep Date:	Analysis Date: **9/1/2023**	SeqNo: **3629025** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	120	70	130			
Toluene	22	1.0	20.00	0	111	70	130			
Chlorobenzene	22	1.0	20.00	0	112	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	103	70	130			
Trichloroethene (TCE)	22	1.0	20.00	0	111	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.1	70	130			
Surr: Toluene-d8	9.8		10.00		97.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces Work Order Number: 2308G26 RcptNo: 1

Received By: Joseph Alderette 8/30/2023 8:30:00 AM

Completed By: Cheyenne Cason 8/30/2023 9:59:30 AM

Reviewed By: JM 8/30/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)
Adjusted? ____
Checked by: JM 8-30-23

Special Handling (if applicable)

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

Person Notified: Luis Guerra Date: 8/30/2023
By Whom: Chevenne Cason Via: ☐ eMail ☑ Phone ☐ Fax ☐ In Person
Regarding: CLC 18-230829 Recieved will all voas broken
Client Instructions: Pull one voa from CLC 18-230829(dup) for CLC 18-230829

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good	Yes	Yogi		

Chain-of-Custody Record

Client: City of Las Cruces Water Quality Laboratory

Mailing Address: P.O. Box 20000 Las Cruces NM 88004

Phone #: 575-528-3609

email or Fax#: lguerra@las-cruces.gov

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☒ EDD (Type) EXCELL

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Joint Super fund Project Monthly Analysis

Project #: CLC-JSP Griggs Walnut

Project Manager: Luis Guerra (575)528-3609

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(Including CF): 3.4 -0.2 = 3.2 °c

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2308626	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
8/29/23	0803	Drinking water	CLC 18-230829 *	3-40ml vials	HgCl2	001								X		
	0804		CLC 18-230829(Dup)			002								X		
	0709		CLC 17-230829			003								X		
	0710		CLC ESI-230829			004								X		
8/29/23	0708	Drinking water	CLC ESI-230829	3-40ml vials	HgCl2	005								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/29/23	1300	Evangelina Dominguez		fedex	8.30.23	8:30
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 05, 2023

Luis Guerra

City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3635
FAX: (575) 528-3513

RE: Joint Super Fund Project Monthly Analysis OrderNo.: 2309E94

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/27/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:08:00 AM
Lab ID: 2309E94-001
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Benzene	ND	0.23	1.0		µg/L	1	10/3/2023 2:08:00 PM
Toluene	ND	0.25	1.0		µg/L	1	10/3/2023 2:08:00 PM
Ethylbenzene	ND	0.21	1.0		µg/L	1	10/3/2023 2:08:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	10/3/2023 2:08:00 PM
Naphthalene	ND	0.24	2.0		µg/L	1	10/3/2023 2:08:00 PM
1-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 2:08:00 PM
2-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 2:08:00 PM
Acetone	ND	2.5	10		µg/L	1	10/3/2023 2:08:00 PM
Bromobenzene	ND	0.28	1.0		µg/L	1	10/3/2023 2:08:00 PM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	10/3/2023 2:08:00 PM
Bromoform	ND	0.31	1.0		µg/L	1	10/3/2023 2:08:00 PM
Bromomethane	ND	1.0	3.0		µg/L	1	10/3/2023 2:08:00 PM
2-Butanone	ND	2.0	10		µg/L	1	10/3/2023 2:08:00 PM
Carbon disulfide	ND	1.0	10		µg/L	1	10/3/2023 2:08:00 PM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	10/3/2023 2:08:00 PM
Chlorobenzene	ND	0.46	1.0		µg/L	1	10/3/2023 2:08:00 PM
Chloroethane	ND	0.38	2.0		µg/L	1	10/3/2023 2:08:00 PM
Chloroform	ND	0.25	1.0		µg/L	1	10/3/2023 2:08:00 PM
Chloromethane	ND	0.41	3.0		µg/L	1	10/3/2023 2:08:00 PM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 2:08:00 PM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 2:08:00 PM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	10/3/2023 2:08:00 PM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	10/3/2023 2:08:00 PM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	10/3/2023 2:08:00 PM
Dibromomethane	ND	0.31	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	10/3/2023 2:08:00 PM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	10/3/2023 2:08:00 PM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	10/3/2023 2:08:00 PM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	10/3/2023 2:08:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:08:00 AM
Lab ID: 2309E94-001
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	10/3/2023 2:08:00 PM
2-Hexanone	ND	1.8	10		µg/L	1	10/3/2023 2:08:00 PM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 2:08:00 PM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	10/3/2023 2:08:00 PM
4-Methyl-2-pentanone	ND	1.5	10		µg/L	1	10/3/2023 2:08:00 PM
Methylene Chloride	ND	1.2	3.0		µg/L	1	10/3/2023 2:08:00 PM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	10/3/2023 2:08:00 PM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	10/3/2023 2:08:00 PM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	10/3/2023 2:08:00 PM
Styrene	ND	0.14	1.0		µg/L	1	10/3/2023 2:08:00 PM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	10/3/2023 2:08:00 PM
Tetrachloroethene (PCE)	3.3	0.18	1.0		µg/L	1	10/3/2023 2:08:00 PM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	10/3/2023 2:08:00 PM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,2,3-Trichlorobenzene	ND	0.40	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	10/3/2023 2:08:00 PM
Trichloroethene (TCE)	ND	0.20	1.0		µg/L	1	10/3/2023 2:08:00 PM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	10/3/2023 2:08:00 PM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	10/3/2023 2:08:00 PM
Vinyl chloride	ND	0.32	1.0		µg/L	1	10/3/2023 2:08:00 PM
Xylenes, Total	ND	0.37	1.5		µg/L	1	10/3/2023 2:08:00 PM
Surr: 1,2-Dichloroethane-d4	109	0	70-130		%Rec	1	10/3/2023 2:08:00 PM
Surr: 4-Bromofluorobenzene	97.1	0	70-130		%Rec	1	10/3/2023 2:08:00 PM
Surr: Dibromofluoromethane	106	0	70-130		%Rec	1	10/3/2023 2:08:00 PM
Surr: Toluene-d8	93.7	0	70-130		%Rec	1	10/3/2023 2:08:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:43:00 AM
Lab ID: 2309E94-002
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Benzene	ND	0.23	1.0		µg/L	1	10/3/2023 3:21:00 PM
Toluene	ND	0.25	1.0		µg/L	1	10/3/2023 3:21:00 PM
Ethylbenzene	ND	0.21	1.0		µg/L	1	10/3/2023 3:21:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	10/3/2023 3:21:00 PM
Naphthalene	ND	0.24	2.0		µg/L	1	10/3/2023 3:21:00 PM
1-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 3:21:00 PM
2-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 3:21:00 PM
Acetone	ND	2.5	10		µg/L	1	10/3/2023 3:21:00 PM
Bromobenzene	ND	0.28	1.0		µg/L	1	10/3/2023 3:21:00 PM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	10/3/2023 3:21:00 PM
Bromoform	ND	0.31	1.0		µg/L	1	10/3/2023 3:21:00 PM
Bromomethane	ND	1.0	3.0		µg/L	1	10/3/2023 3:21:00 PM
2-Butanone	ND	2.0	10		µg/L	1	10/3/2023 3:21:00 PM
Carbon disulfide	ND	1.0	10		µg/L	1	10/3/2023 3:21:00 PM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	10/3/2023 3:21:00 PM
Chlorobenzene	ND	0.46	1.0		µg/L	1	10/3/2023 3:21:00 PM
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2-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 3:21:00 PM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 3:21:00 PM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	10/3/2023 3:21:00 PM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	10/3/2023 3:21:00 PM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	10/3/2023 3:21:00 PM
Dibromomethane	ND	0.31	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	10/3/2023 3:21:00 PM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	10/3/2023 3:21:00 PM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	10/3/2023 3:21:00 PM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	10/3/2023 3:21:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:43:00 AM
Lab ID: 2309E94-002
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	10/3/2023 3:21:00 PM
2-Hexanone	ND	1.8	10		µg/L	1	10/3/2023 3:21:00 PM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 3:21:00 PM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	10/3/2023 3:21:00 PM
4-Methyl-2-pentanone	ND	1.5	10		µg/L	1	10/3/2023 3:21:00 PM
Methylene Chloride	ND	1.2	3.0		µg/L	1	10/3/2023 3:21:00 PM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	10/3/2023 3:21:00 PM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	10/3/2023 3:21:00 PM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	10/3/2023 3:21:00 PM
Styrene	ND	0.14	1.0		µg/L	1	10/3/2023 3:21:00 PM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	10/3/2023 3:21:00 PM
Tetrachloroethene (PCE)	14	0.18	1.0		µg/L	1	10/3/2023 3:21:00 PM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	10/3/2023 3:21:00 PM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,2,3-Trichlorobenzene	ND	0.40	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	10/3/2023 3:21:00 PM
Trichloroethene (TCE)	0.22	0.20	1.0	J	µg/L	1	10/3/2023 3:21:00 PM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	10/3/2023 3:21:00 PM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	10/3/2023 3:21:00 PM
Vinyl chloride	ND	0.32	1.0		µg/L	1	10/3/2023 3:21:00 PM
Xylenes, Total	ND	0.37	1.5		µg/L	1	10/3/2023 3:21:00 PM
Surr: 1,2-Dichloroethane-d4	105	0	70-130		%Rec	1	10/3/2023 3:21:00 PM
Surr: 4-Bromofluorobenzene	95.3	0	70-130		%Rec	1	10/3/2023 3:21:00 PM
Surr: Dibromofluoromethane	105	0	70-130		%Rec	1	10/3/2023 3:21:00 PM
Surr: Toluene-d8	94.6	0	70-130		%Rec	1	10/3/2023 3:21:00 PM

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

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230926 (Dup)
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:45:00 AM
Lab ID: 2309E94-003 **Matrix:** AQUEOUS **Received Date:** 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Benzene	ND	0.23	1.0		µg/L	1	10/3/2023 3:45:00 PM
Toluene	ND	0.25	1.0		µg/L	1	10/3/2023 3:45:00 PM
Ethylbenzene	ND	0.21	1.0		µg/L	1	10/3/2023 3:45:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	10/3/2023 3:45:00 PM
Naphthalene	ND	0.24	2.0		µg/L	1	10/3/2023 3:45:00 PM
1-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 3:45:00 PM
2-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 3:45:00 PM
Acetone	ND	2.5	10		µg/L	1	10/3/2023 3:45:00 PM
Bromobenzene	ND	0.28	1.0		µg/L	1	10/3/2023 3:45:00 PM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	10/3/2023 3:45:00 PM
Bromoform	ND	0.31	1.0		µg/L	1	10/3/2023 3:45:00 PM
Bromomethane	ND	1.0	3.0		µg/L	1	10/3/2023 3:45:00 PM
2-Butanone	ND	2.0	10		µg/L	1	10/3/2023 3:45:00 PM
Carbon disulfide	ND	1.0	10		µg/L	1	10/3/2023 3:45:00 PM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	10/3/2023 3:45:00 PM
Chlorobenzene	ND	0.46	1.0		µg/L	1	10/3/2023 3:45:00 PM
Chloroethane	ND	0.38	2.0		µg/L	1	10/3/2023 3:45:00 PM
Chloroform	ND	0.25	1.0		µg/L	1	10/3/2023 3:45:00 PM
Chloromethane	ND	0.41	3.0		µg/L	1	10/3/2023 3:45:00 PM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 3:45:00 PM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 3:45:00 PM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	10/3/2023 3:45:00 PM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	10/3/2023 3:45:00 PM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	10/3/2023 3:45:00 PM
Dibromomethane	ND	0.31	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	10/3/2023 3:45:00 PM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	10/3/2023 3:45:00 PM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	10/3/2023 3:45:00 PM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	10/3/2023 3:45:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-230926 (Dup)
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:45:00 AM
Lab ID: 2309E94-003 **Matrix:** AQUEOUS **Received Date:** 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	10/3/2023 3:45:00 PM
2-Hexanone	ND	1.8	10		µg/L	1	10/3/2023 3:45:00 PM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 3:45:00 PM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	10/3/2023 3:45:00 PM
4-Methyl-2-pentanone	ND	1.5	10		µg/L	1	10/3/2023 3:45:00 PM
Methylene Chloride	ND	1.2	3.0		µg/L	1	10/3/2023 3:45:00 PM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	10/3/2023 3:45:00 PM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	10/3/2023 3:45:00 PM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	10/3/2023 3:45:00 PM
Styrene	ND	0.14	1.0		µg/L	1	10/3/2023 3:45:00 PM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	10/3/2023 3:45:00 PM
Tetrachloroethene (PCE)	14	0.18	1.0		µg/L	1	10/3/2023 3:45:00 PM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	10/3/2023 3:45:00 PM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,2,3-Trichlorobenzene	ND	0.40	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	10/3/2023 3:45:00 PM
Trichloroethene (TCE)	ND	0.20	1.0		µg/L	1	10/3/2023 3:45:00 PM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	10/3/2023 3:45:00 PM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	10/3/2023 3:45:00 PM
Vinyl chloride	ND	0.32	1.0		µg/L	1	10/3/2023 3:45:00 PM
Xylenes, Total	ND	0.37	1.5		µg/L	1	10/3/2023 3:45:00 PM
Surr: 1,2-Dichloroethane-d4	108	0	70-130		%Rec	1	10/3/2023 3:45:00 PM
Surr: 4-Bromofluorobenzene	98.4	0	70-130		%Rec	1	10/3/2023 3:45:00 PM
Surr: Dibromofluoromethane	107	0	70-130		%Rec	1	10/3/2023 3:45:00 PM
Surr: Toluene-d8	94.5	0	70-130		%Rec	1	10/3/2023 3:45:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ISI-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:11:00 AM
Lab ID: 2309E94-004
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Benzene	ND	0.23	1.0		µg/L	1	10/3/2023 4:09:00 PM
Toluene	ND	0.25	1.0		µg/L	1	10/3/2023 4:09:00 PM
Ethylbenzene	ND	0.21	1.0		µg/L	1	10/3/2023 4:09:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	10/3/2023 4:09:00 PM
Naphthalene	ND	0.24	2.0		µg/L	1	10/3/2023 4:09:00 PM
1-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 4:09:00 PM
2-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 4:09:00 PM
Acetone	ND	2.5	10		µg/L	1	10/3/2023 4:09:00 PM
Bromobenzene	ND	0.28	1.0		µg/L	1	10/3/2023 4:09:00 PM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	10/3/2023 4:09:00 PM
Bromoform	ND	0.31	1.0		µg/L	1	10/3/2023 4:09:00 PM
Bromomethane	ND	1.0	3.0		µg/L	1	10/3/2023 4:09:00 PM
2-Butanone	ND	2.0	10		µg/L	1	10/3/2023 4:09:00 PM
Carbon disulfide	ND	1.0	10		µg/L	1	10/3/2023 4:09:00 PM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	10/3/2023 4:09:00 PM
Chlorobenzene	ND	0.46	1.0		µg/L	1	10/3/2023 4:09:00 PM
Chloroethane	ND	0.38	2.0		µg/L	1	10/3/2023 4:09:00 PM
Chloroform	ND	0.25	1.0		µg/L	1	10/3/2023 4:09:00 PM
Chloromethane	ND	0.41	3.0		µg/L	1	10/3/2023 4:09:00 PM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 4:09:00 PM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 4:09:00 PM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	10/3/2023 4:09:00 PM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	10/3/2023 4:09:00 PM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	10/3/2023 4:09:00 PM
Dibromomethane	ND	0.31	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	10/3/2023 4:09:00 PM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	10/3/2023 4:09:00 PM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	10/3/2023 4:09:00 PM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	10/3/2023 4:09:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ISI-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:11:00 AM
Lab ID: 2309E94-004
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	10/3/2023 4:09:00 PM
2-Hexanone	ND	1.8	10		µg/L	1	10/3/2023 4:09:00 PM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 4:09:00 PM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	10/3/2023 4:09:00 PM
4-Methyl-2-pentanone	ND	1.5	10		µg/L	1	10/3/2023 4:09:00 PM
Methylene Chloride	ND	1.2	3.0		µg/L	1	10/3/2023 4:09:00 PM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	10/3/2023 4:09:00 PM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	10/3/2023 4:09:00 PM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	10/3/2023 4:09:00 PM
Styrene	ND	0.14	1.0		µg/L	1	10/3/2023 4:09:00 PM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	10/3/2023 4:09:00 PM
Tetrachloroethene (PCE)	13	0.18	1.0		µg/L	1	10/3/2023 4:09:00 PM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	10/3/2023 4:09:00 PM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,2,3-Trichlorobenzene	ND	0.40	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	10/3/2023 4:09:00 PM
Trichloroethene (TCE)	ND	0.20	1.0		µg/L	1	10/3/2023 4:09:00 PM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	10/3/2023 4:09:00 PM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	10/3/2023 4:09:00 PM
Vinyl chloride	ND	0.32	1.0		µg/L	1	10/3/2023 4:09:00 PM
Xylenes, Total	ND	0.37	1.5		µg/L	1	10/3/2023 4:09:00 PM
Surr: 1,2-Dichloroethane-d4	105	0	70-130		%Rec	1	10/3/2023 4:09:00 PM
Surr: 4-Bromofluorobenzene	99.9	0	70-130		%Rec	1	10/3/2023 4:09:00 PM
Surr: Dibromofluoromethane	105	0	70-130		%Rec	1	10/3/2023 4:09:00 PM
Surr: Toluene-d8	94.3	0	70-130		%Rec	1	10/3/2023 4:09:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C1-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:14:00 AM
Lab ID: 2309E94-005
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Benzene	ND	0.23	1.0		µg/L	1	10/3/2023 4:34:00 PM
Toluene	ND	0.25	1.0		µg/L	1	10/3/2023 4:34:00 PM
Ethylbenzene	ND	0.21	1.0		µg/L	1	10/3/2023 4:34:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	10/3/2023 4:34:00 PM
Naphthalene	ND	0.24	2.0		µg/L	1	10/3/2023 4:34:00 PM
1-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 4:34:00 PM
2-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 4:34:00 PM
Acetone	ND	2.5	10		µg/L	1	10/3/2023 4:34:00 PM
Bromobenzene	ND	0.28	1.0		µg/L	1	10/3/2023 4:34:00 PM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	10/3/2023 4:34:00 PM
Bromoform	ND	0.31	1.0		µg/L	1	10/3/2023 4:34:00 PM
Bromomethane	ND	1.0	3.0		µg/L	1	10/3/2023 4:34:00 PM
2-Butanone	ND	2.0	10		µg/L	1	10/3/2023 4:34:00 PM
Carbon disulfide	ND	1.0	10		µg/L	1	10/3/2023 4:34:00 PM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	10/3/2023 4:34:00 PM
Chlorobenzene	ND	0.46	1.0		µg/L	1	10/3/2023 4:34:00 PM
Chloroethane	ND	0.38	2.0		µg/L	1	10/3/2023 4:34:00 PM
Chloroform	ND	0.25	1.0		µg/L	1	10/3/2023 4:34:00 PM
Chloromethane	ND	0.41	3.0		µg/L	1	10/3/2023 4:34:00 PM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 4:34:00 PM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 4:34:00 PM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	10/3/2023 4:34:00 PM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	10/3/2023 4:34:00 PM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	10/3/2023 4:34:00 PM
Dibromomethane	ND	0.31	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	10/3/2023 4:34:00 PM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	10/3/2023 4:34:00 PM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	10/3/2023 4:34:00 PM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	10/3/2023 4:34:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C1-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:14:00 AM
Lab ID: 2309E94-005
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	10/3/2023 4:34:00 PM
2-Hexanone	ND	1.8	10		µg/L	1	10/3/2023 4:34:00 PM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 4:34:00 PM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	10/3/2023 4:34:00 PM
4-Methyl-2-pentanone	ND	1.5	10		µg/L	1	10/3/2023 4:34:00 PM
Methylene Chloride	ND	1.2	3.0		µg/L	1	10/3/2023 4:34:00 PM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	10/3/2023 4:34:00 PM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	10/3/2023 4:34:00 PM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	10/3/2023 4:34:00 PM
Styrene	ND	0.14	1.0		µg/L	1	10/3/2023 4:34:00 PM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	10/3/2023 4:34:00 PM
Tetrachloroethene (PCE)	ND	0.18	1.0		µg/L	1	10/3/2023 4:34:00 PM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	10/3/2023 4:34:00 PM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,2,3-Trichlorobenzene	ND	0.40	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	10/3/2023 4:34:00 PM
Trichloroethene (TCE)	ND	0.20	1.0		µg/L	1	10/3/2023 4:34:00 PM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	10/3/2023 4:34:00 PM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	10/3/2023 4:34:00 PM
Vinyl chloride	ND	0.32	1.0		µg/L	1	10/3/2023 4:34:00 PM
Xylenes, Total	ND	0.37	1.5		µg/L	1	10/3/2023 4:34:00 PM
Surr: 1,2-Dichloroethane-d4	105	0	70-130		%Rec	1	10/3/2023 4:34:00 PM
Surr: 4-Bromofluorobenzene	94.8	0	70-130		%Rec	1	10/3/2023 4:34:00 PM
Surr: Dibromofluoromethane	105	0	70-130		%Rec	1	10/3/2023 4:34:00 PM
Surr: Toluene-d8	94.8	0	70-130		%Rec	1	10/3/2023 4:34:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C2-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:17:00 AM
Lab ID: 2309E94-006
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Benzene	ND	0.23	1.0		µg/L	1	10/3/2023 4:58:00 PM
Toluene	ND	0.25	1.0		µg/L	1	10/3/2023 4:58:00 PM
Ethylbenzene	ND	0.21	1.0		µg/L	1	10/3/2023 4:58:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	10/3/2023 4:58:00 PM
Naphthalene	ND	0.24	2.0		µg/L	1	10/3/2023 4:58:00 PM
1-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 4:58:00 PM
2-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 4:58:00 PM
Acetone	ND	2.5	10		µg/L	1	10/3/2023 4:58:00 PM
Bromobenzene	ND	0.28	1.0		µg/L	1	10/3/2023 4:58:00 PM
Bromodichloromethane	0.41	0.20	1.0	J	µg/L	1	10/3/2023 4:58:00 PM
Bromoform	6.9	0.31	1.0		µg/L	1	10/3/2023 4:58:00 PM
Bromomethane	ND	1.0	3.0		µg/L	1	10/3/2023 4:58:00 PM
2-Butanone	ND	2.0	10		µg/L	1	10/3/2023 4:58:00 PM
Carbon disulfide	ND	1.0	10		µg/L	1	10/3/2023 4:58:00 PM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	10/3/2023 4:58:00 PM
Chlorobenzene	ND	0.46	1.0		µg/L	1	10/3/2023 4:58:00 PM
Chloroethane	ND	0.38	2.0		µg/L	1	10/3/2023 4:58:00 PM
Chloroform	ND	0.25	1.0		µg/L	1	10/3/2023 4:58:00 PM
Chloromethane	ND	0.41	3.0		µg/L	1	10/3/2023 4:58:00 PM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 4:58:00 PM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 4:58:00 PM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	10/3/2023 4:58:00 PM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	10/3/2023 4:58:00 PM
Dibromochloromethane	1.8	0.28	1.0		µg/L	1	10/3/2023 4:58:00 PM
Dibromomethane	ND	0.31	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	10/3/2023 4:58:00 PM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	10/3/2023 4:58:00 PM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	10/3/2023 4:58:00 PM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	10/3/2023 4:58:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC C2-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:17:00 AM
Lab ID: 2309E94-006
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	10/3/2023 4:58:00 PM
2-Hexanone	ND	1.8	10		µg/L	1	10/3/2023 4:58:00 PM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 4:58:00 PM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	10/3/2023 4:58:00 PM
4-Methyl-2-pentanone	ND	1.5	10		µg/L	1	10/3/2023 4:58:00 PM
Methylene Chloride	ND	1.2	3.0		µg/L	1	10/3/2023 4:58:00 PM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	10/3/2023 4:58:00 PM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	10/3/2023 4:58:00 PM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	10/3/2023 4:58:00 PM
Styrene	ND	0.14	1.0		µg/L	1	10/3/2023 4:58:00 PM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	10/3/2023 4:58:00 PM
Tetrachloroethene (PCE)	ND	0.18	1.0		µg/L	1	10/3/2023 4:58:00 PM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	10/3/2023 4:58:00 PM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,2,3-Trichlorobenzene	ND	0.40	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	10/3/2023 4:58:00 PM
Trichloroethene (TCE)	ND	0.20	1.0		µg/L	1	10/3/2023 4:58:00 PM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	10/3/2023 4:58:00 PM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	10/3/2023 4:58:00 PM
Vinyl chloride	ND	0.32	1.0		µg/L	1	10/3/2023 4:58:00 PM
Xylenes, Total	ND	0.37	1.5		µg/L	1	10/3/2023 4:58:00 PM
Surr: 1,2-Dichloroethane-d4	105	0	70-130		%Rec	1	10/3/2023 4:58:00 PM
Surr: 4-Bromofluorobenzene	99.0	0	70-130		%Rec	1	10/3/2023 4:58:00 PM
Surr: Dibromofluoromethane	104	0	70-130		%Rec	1	10/3/2023 4:58:00 PM
Surr: Toluene-d8	94.6	0	70-130		%Rec	1	10/3/2023 4:58:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ESI-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:20:00 AM
Lab ID: 2309E94-007
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Benzene	ND	0.23	1.0		µg/L	1	10/3/2023 5:22:00 PM
Toluene	ND	0.25	1.0		µg/L	1	10/3/2023 5:22:00 PM
Ethylbenzene	ND	0.21	1.0		µg/L	1	10/3/2023 5:22:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.39	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,3,5-Trimethylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,2-Dichloroethane (EDC)	ND	0.30	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,2-Dibromoethane (EDB)	ND	0.30	1.0		µg/L	1	10/3/2023 5:22:00 PM
Naphthalene	ND	0.24	2.0		µg/L	1	10/3/2023 5:22:00 PM
1-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 5:22:00 PM
2-Methylnaphthalene	ND	2.0	4.0		µg/L	1	10/3/2023 5:22:00 PM
Acetone	ND	2.5	10		µg/L	1	10/3/2023 5:22:00 PM
Bromobenzene	ND	0.28	1.0		µg/L	1	10/3/2023 5:22:00 PM
Bromodichloromethane	ND	0.20	1.0		µg/L	1	10/3/2023 5:22:00 PM
Bromoform	ND	0.31	1.0		µg/L	1	10/3/2023 5:22:00 PM
Bromomethane	ND	1.0	3.0		µg/L	1	10/3/2023 5:22:00 PM
2-Butanone	ND	2.0	10		µg/L	1	10/3/2023 5:22:00 PM
Carbon disulfide	ND	1.0	10		µg/L	1	10/3/2023 5:22:00 PM
Carbon Tetrachloride	ND	0.18	1.0		µg/L	1	10/3/2023 5:22:00 PM
Chlorobenzene	ND	0.46	1.0		µg/L	1	10/3/2023 5:22:00 PM
Chloroethane	ND	0.38	2.0		µg/L	1	10/3/2023 5:22:00 PM
Chloroform	ND	0.25	1.0		µg/L	1	10/3/2023 5:22:00 PM
Chloromethane	ND	0.41	3.0		µg/L	1	10/3/2023 5:22:00 PM
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 5:22:00 PM
4-Chlorotoluene	ND	0.13	1.0		µg/L	1	10/3/2023 5:22:00 PM
cis-1,2-DCE	ND	0.39	1.0		µg/L	1	10/3/2023 5:22:00 PM
cis-1,3-Dichloropropene	ND	0.12	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,2-Dibromo-3-chloropropane	ND	0.59	2.0		µg/L	1	10/3/2023 5:22:00 PM
Dibromochloromethane	ND	0.28	1.0		µg/L	1	10/3/2023 5:22:00 PM
Dibromomethane	ND	0.31	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,2-Dichlorobenzene	ND	0.15	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,3-Dichlorobenzene	ND	0.16	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,4-Dichlorobenzene	ND	0.10	1.0		µg/L	1	10/3/2023 5:22:00 PM
Dichlorodifluoromethane	ND	0.26	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,1-Dichloroethane	ND	0.30	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,1-Dichloroethene	ND	0.20	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,2-Dichloropropane	ND	0.20	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	10/3/2023 5:22:00 PM
2,2-Dichloropropane	ND	0.26	2.0		µg/L	1	10/3/2023 5:22:00 PM
1,1-Dichloropropene	ND	0.18	1.0		µg/L	1	10/3/2023 5:22:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ESI-230926
Project: Joint Super Fund Project Monthly Analys
Collection Date: 9/26/2023 8:20:00 AM
Lab ID: 2309E94-007
Matrix: AQUEOUS
Received Date: 9/27/2023 8:55:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES							Analyst: **CCM**
Hexachlorobutadiene	ND	0.42	1.0		µg/L	1	10/3/2023 5:22:00 PM
2-Hexanone	ND	1.8	10		µg/L	1	10/3/2023 5:22:00 PM
Isopropylbenzene	ND	0.18	1.0		µg/L	1	10/3/2023 5:22:00 PM
4-Isopropyltoluene	ND	0.20	1.0		µg/L	1	10/3/2023 5:22:00 PM
4-Methyl-2-pentanone	ND	1.5	10		µg/L	1	10/3/2023 5:22:00 PM
Methylene Chloride	ND	1.2	3.0		µg/L	1	10/3/2023 5:22:00 PM
n-Butylbenzene	ND	0.13	3.0		µg/L	1	10/3/2023 5:22:00 PM
n-Propylbenzene	ND	0.11	1.0		µg/L	1	10/3/2023 5:22:00 PM
sec-Butylbenzene	ND	0.14	1.0		µg/L	1	10/3/2023 5:22:00 PM
Styrene	ND	0.14	1.0		µg/L	1	10/3/2023 5:22:00 PM
tert-Butylbenzene	ND	0.24	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,1,1,2-Tetrachloroethane	ND	0.27	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,1,2,2-Tetrachloroethane	ND	0.27	2.0		µg/L	1	10/3/2023 5:22:00 PM
Tetrachloroethene (PCE)	ND	0.18	1.0		µg/L	1	10/3/2023 5:22:00 PM
trans-1,2-DCE	ND	0.19	1.0		µg/L	1	10/3/2023 5:22:00 PM
trans-1,3-Dichloropropene	ND	0.34	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,2,3-Trichlorobenzene	ND	0.40	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,2,4-Trichlorobenzene	ND	0.24	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,1,1-Trichloroethane	ND	0.081	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,1,2-Trichloroethane	ND	0.20	1.0		µg/L	1	10/3/2023 5:22:00 PM
Trichloroethene (TCE)	ND	0.20	1.0		µg/L	1	10/3/2023 5:22:00 PM
Trichlorofluoromethane	ND	0.16	1.0		µg/L	1	10/3/2023 5:22:00 PM
1,2,3-Trichloropropane	ND	0.16	2.0		µg/L	1	10/3/2023 5:22:00 PM
Vinyl chloride	ND	0.32	1.0		µg/L	1	10/3/2023 5:22:00 PM
Xylenes, Total	ND	0.37	1.5		µg/L	1	10/3/2023 5:22:00 PM
Surr: 1,2-Dichloroethane-d4	109	0	70-130		%Rec	1	10/3/2023 5:22:00 PM
Surr: 4-Bromofluorobenzene	94.9	0	70-130		%Rec	1	10/3/2023 5:22:00 PM
Surr: Dibromofluoromethane	107	0	70-130		%Rec	1	10/3/2023 5:22:00 PM
Surr: Toluene-d8	94.1	0	70-130		%Rec	1	10/3/2023 5:22:00 PM

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

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E94**

05-Oct-23

Client: City of Las Cruces

Project: Joint Super Fund Project Monthly Analysis

Sample ID: **100ng lcs 2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **W100167**	RunNo: **100167**
Prep Date:	Analysis Date: **10/3/2023**	SeqNo: **3667299** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	110	70	130			
Toluene	22	1.0	20.00	0	108	70	130			
Chlorobenzene	22	1.0	20.00	0	111	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	106	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	9.7		10.00		97.2	70	130			

Sample ID: **2309E94-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **CLC 18-230926**	Batch ID: **W100167**	RunNo: **100167**
Prep Date:	Analysis Date: **10/3/2023**	SeqNo: **3667304** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	110	70	130			
Toluene	22	1.0	20.00	0	108	70	130			
Chlorobenzene	22	1.0	20.00	0	111	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	106	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	105	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		108	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	9.6		10.00		95.9	70	130			

Sample ID: **2309E94-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **CLC 18-230926**	Batch ID: **W100167**	RunNo: **100167**
Prep Date:	Analysis Date: **10/3/2023**	SeqNo: **3667305** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	106	70	130	3.23	20	
Toluene	21	1.0	20.00	0	106	70	130	1.85	20	
Chlorobenzene	22	1.0	20.00	0	109	70	130	1.74	20	
1,1-Dichloroethene	20	1.0	20.00	0	101	70	130	5.55	20	
Trichloroethene (TCE)	20	1.0	20.00	0	101	70	130	4.07	20	
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130	0	0	
Surr: Dibromofluoromethane	10		10.00		103	70	130	0	0	
Surr: Toluene-d8	9.6		10.00		96.1	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E94**

05-Oct-23

Client: City of Las Cruces

Project: Joint Super Fund Project Monthly Analysis

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **W100167**	RunNo: **100167**
Prep Date:	Analysis Date: **10/3/2023**	SeqNo: **3667979** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309E94**

05-Oct-23

Client: City of Las Cruces

Project: Joint Super Fund Project Monthly Analysis

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **W100167**	RunNo: **100167**
Prep Date:	Analysis Date: **10/3/2023**	SeqNo: **3667979** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.6	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.5		10.00		95.4	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces Work Order Number: 2309E94 RcptNo: 1

Received By: Joseph Alderette 9/27/2023 8:55:00 AM

Completed By: Cheyenne Cason 9/27/2023 11:22:41 AM

Reviewed By: JM 9/28/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: JM 9-28-23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good	Yes	Morty		

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces NM 88004
Phone #: 575-528-3609
email or Fax#: lguerra@las-cruces.gov
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: Joint Superfund Project
Monthly Analysis
Project #:
CLC-USP Griggs Walnut
Project Manager:
Luis Guerra: 575-528-3609
Sampler:
On Ice: ☑ Yes ☐ No
# of Coolers: 1 metal
Cooler Temp(Including CF): 0.6-0.1=0.5 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309E94	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/26/23	0808	Drinking water	CLC 18-230926	3-40ml vials	HgCl2	001								X		
	0843		CLC 27-230926			002								X		
	0845		CLC 27-230926 (Dup.)			003								X		
	0811		CLC 151-230926			004								X		
	0814		CLC C1-230926			005								X		
	0817		CLC C2-230926			006								X		
9/26/23	0820	Drinking water	CLC ES1-230926	3-40 ml vials	HgCl2	007								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/26/23	1400			FedEx	9.27.23	8:55
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send results to:
Luis Guerra: lguerra@las-cruces.gov
Send invoice to CLC c/o Luis Guerra

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 03, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Super Fund Project Monthly Analysis OrderNo.: 2309E99

Dear Luis Guerra:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/27/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230926
Project: Joint Super Fund Project Monthly Analy
Collection Date: 9/26/2023 8:26:00 AM
Lab ID: 2309E99-001 **Matrix:** AIR
Received Date: 9/27/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Toluene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Ethylbenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Naphthalene	ND	0.20		µg/L	1	9/29/2023 11:41:00 AM	R100118
1-Methylnaphthalene	ND	0.40		µg/L	1	9/29/2023 11:41:00 AM	R100118
2-Methylnaphthalene	ND	0.40		µg/L	1	9/29/2023 11:41:00 AM	R100118
Acetone	ND	1.0		µg/L	1	9/29/2023 11:41:00 AM	R100118
Bromobenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Bromodichloromethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Bromoform	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Bromomethane	ND	0.20		µg/L	1	9/29/2023 11:41:00 AM	R100118
2-Butanone	ND	1.0		µg/L	1	9/29/2023 11:41:00 AM	R100118
Carbon disulfide	ND	1.0		µg/L	1	9/29/2023 11:41:00 AM	R100118
Carbon tetrachloride	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Chlorobenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Chloroethane	ND	0.20		µg/L	1	9/29/2023 11:41:00 AM	R100118
Chloroform	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Chloromethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
2-Chlorotoluene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
4-Chlorotoluene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
cis-1,2-DCE	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	9/29/2023 11:41:00 AM	R100118
Dibromochloromethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Dibromomethane	ND	0.20		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,2-Dichlorobenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,3-Dichlorobenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,4-Dichlorobenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Dichlorodifluoromethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,1-Dichloroethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,1-Dichloroethene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,2-Dichloropropane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,3-Dichloropropane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
2,2-Dichloropropane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230926
Project: Joint Super Fund Project Monthly Analy
Collection Date: 9/26/2023 8:26:00 AM
Lab ID: 2309E99-001 **Matrix:** AIR
Received Date: 9/27/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Hexachlorobutadiene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
2-Hexanone	ND	1.0		µg/L	1	9/29/2023 11:41:00 AM	R100118
Isopropylbenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
4-Isopropyltoluene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
4-Methyl-2-pentanone	ND	1.0		µg/L	1	9/29/2023 11:41:00 AM	R100118
Methylene chloride	ND	0.30		µg/L	1	9/29/2023 11:41:00 AM	R100118
n-Butylbenzene	ND	0.30		µg/L	1	9/29/2023 11:41:00 AM	R100118
n-Propylbenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
sec-Butylbenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Styrene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
tert-Butylbenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Tetrachloroethene (PCE)	0.21	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
trans-1,2-DCE	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,1,1-Trichloroethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,1,2-Trichloroethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Trichloroethene (TCE)	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Trichlorofluoromethane	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
1,2,3-Trichloropropane	ND	0.20		µg/L	1	9/29/2023 11:41:00 AM	R100118
Vinyl chloride	ND	0.10		µg/L	1	9/29/2023 11:41:00 AM	R100118
Xylenes, Total	ND	0.15		µg/L	1	9/29/2023 11:41:00 AM	R100118
Surr: Dibromofluoromethane	93.6	70-130		%Rec	1	9/29/2023 11:41:00 AM	R100118
Surr: 1,2-Dichloroethane-d4	90.9	70-130		%Rec	1	9/29/2023 11:41:00 AM	R100118
Surr: Toluene-d8	93.0	70-130		%Rec	1	9/29/2023 11:41:00 AM	R100118
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	9/29/2023 11:41:00 AM	R100118

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230926 (Dup.)
Project: Joint Super Fund Project Monthly Analy
Collection Date: 9/26/2023 8:27:00 AM
Lab ID: 2309E99-002 **Matrix:** AIR
Received Date: 9/27/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Toluene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Ethylbenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Naphthalene	ND	0.20		µg/L	1	9/29/2023 12:29:00 PM	R100118
1-Methylnaphthalene	ND	0.40		µg/L	1	9/29/2023 12:29:00 PM	R100118
2-Methylnaphthalene	ND	0.40		µg/L	1	9/29/2023 12:29:00 PM	R100118
Acetone	ND	1.0		µg/L	1	9/29/2023 12:29:00 PM	R100118
Bromobenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Bromodichloromethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Bromoform	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Bromomethane	ND	0.20		µg/L	1	9/29/2023 12:29:00 PM	R100118
2-Butanone	ND	1.0		µg/L	1	9/29/2023 12:29:00 PM	R100118
Carbon disulfide	ND	1.0		µg/L	1	9/29/2023 12:29:00 PM	R100118
Carbon tetrachloride	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Chlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Chloroethane	ND	0.20		µg/L	1	9/29/2023 12:29:00 PM	R100118
Chloroform	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Chloromethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
2-Chlorotoluene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
4-Chlorotoluene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
cis-1,2-DCE	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	9/29/2023 12:29:00 PM	R100118
Dibromochloromethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Dibromomethane	ND	0.20		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,2-Dichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,3-Dichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,4-Dichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Dichlorodifluoromethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,1-Dichloroethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,1-Dichloroethene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,2-Dichloropropane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,3-Dichloropropane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
2,2-Dichloropropane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS1-230926 (Dup.)
Project: Joint Super Fund Project Monthly Analy
Collection Date: 9/26/2023 8:27:00 AM
Lab ID: 2309E99-002 **Matrix:** AIR
Received Date: 9/27/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Hexachlorobutadiene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
2-Hexanone	ND	1.0		µg/L	1	9/29/2023 12:29:00 PM	R100118
Isopropylbenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
4-Isopropyltoluene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
4-Methyl-2-pentanone	ND	1.0		µg/L	1	9/29/2023 12:29:00 PM	R100118
Methylene chloride	ND	0.30		µg/L	1	9/29/2023 12:29:00 PM	R100118
n-Butylbenzene	ND	0.30		µg/L	1	9/29/2023 12:29:00 PM	R100118
n-Propylbenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
sec-Butylbenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Styrene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
tert-Butylbenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Tetrachloroethene (PCE)	0.31	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
trans-1,2-DCE	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,1,1-Trichloroethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,1,2-Trichloroethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Trichloroethene (TCE)	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Trichlorofluoromethane	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
1,2,3-Trichloropropane	ND	0.20		µg/L	1	9/29/2023 12:29:00 PM	R100118
Vinyl chloride	ND	0.10		µg/L	1	9/29/2023 12:29:00 PM	R100118
Xylenes, Total	ND	0.15		µg/L	1	9/29/2023 12:29:00 PM	R100118
Surr: Dibromofluoromethane	85.7	70-130		%Rec	1	9/29/2023 12:29:00 PM	R100118
Surr: 1,2-Dichloroethane-d4	74.7	70-130		%Rec	1	9/29/2023 12:29:00 PM	R100118
Surr: Toluene-d8	94.9	70-130		%Rec	1	9/29/2023 12:29:00 PM	R100118
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	9/29/2023 12:29:00 PM	R100118

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230926
Project: Joint Super Fund Project Monthly Analy
Collection Date: 9/26/2023 8:29:00 AM
Lab ID: 2309E99-003 **Matrix:** AIR
Received Date: 9/27/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Toluene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Ethylbenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Naphthalene	ND	0.20		µg/L	1	9/29/2023 12:53:00 PM	R100118
1-Methylnaphthalene	ND	0.40		µg/L	1	9/29/2023 12:53:00 PM	R100118
2-Methylnaphthalene	ND	0.40		µg/L	1	9/29/2023 12:53:00 PM	R100118
Acetone	ND	1.0		µg/L	1	9/29/2023 12:53:00 PM	R100118
Bromobenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Bromodichloromethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Bromoform	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Bromomethane	ND	0.20		µg/L	1	9/29/2023 12:53:00 PM	R100118
2-Butanone	ND	1.0		µg/L	1	9/29/2023 12:53:00 PM	R100118
Carbon disulfide	ND	1.0		µg/L	1	9/29/2023 12:53:00 PM	R100118
Carbon tetrachloride	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Chlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Chloroethane	ND	0.20		µg/L	1	9/29/2023 12:53:00 PM	R100118
Chloroform	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Chloromethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
2-Chlorotoluene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
4-Chlorotoluene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
cis-1,2-DCE	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	9/29/2023 12:53:00 PM	R100118
Dibromochloromethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Dibromomethane	ND	0.20		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,2-Dichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,3-Dichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,4-Dichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Dichlorodifluoromethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,1-Dichloroethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,1-Dichloroethene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,2-Dichloropropane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,3-Dichloropropane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
2,2-Dichloropropane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC AS2-230926
Project: Joint Super Fund Project Monthly Analy
Collection Date: 9/26/2023 8:29:00 AM
Lab ID: 2309E99-003 **Matrix:** AIR
Received Date: 9/27/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Hexachlorobutadiene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
2-Hexanone	ND	1.0		µg/L	1	9/29/2023 12:53:00 PM	R100118
Isopropylbenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
4-Isopropyltoluene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
4-Methyl-2-pentanone	ND	1.0		µg/L	1	9/29/2023 12:53:00 PM	R100118
Methylene chloride	ND	0.30		µg/L	1	9/29/2023 12:53:00 PM	R100118
n-Butylbenzene	ND	0.30		µg/L	1	9/29/2023 12:53:00 PM	R100118
n-Propylbenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
sec-Butylbenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Styrene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
tert-Butylbenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Tetrachloroethene (PCE)	0.22	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
trans-1,2-DCE	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,1,1-Trichloroethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,1,2-Trichloroethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Trichloroethene (TCE)	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Trichlorofluoromethane	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
1,2,3-Trichloropropane	ND	0.20		µg/L	1	9/29/2023 12:53:00 PM	R100118
Vinyl chloride	ND	0.10		µg/L	1	9/29/2023 12:53:00 PM	R100118
Xylenes, Total	ND	0.15		µg/L	1	9/29/2023 12:53:00 PM	R100118
Surr: Dibromofluoromethane	95.0	70-130		%Rec	1	9/29/2023 12:53:00 PM	R100118
Surr: 1,2-Dichloroethane-d4	89.5	70-130		%Rec	1	9/29/2023 12:53:00 PM	R100118
Surr: Toluene-d8	96.3	70-130		%Rec	1	9/29/2023 12:53:00 PM	R100118
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	9/29/2023 12:53:00 PM	R100118

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces | Work Order Number: 2309E99 | RcptNo: 1

Received By: Joseph Alderette 9/27/2023 9:20:00 AM

Completed By: Cheyenne Cason 9/27/2023 11:28:50 AM

Reviewed By: 9/28/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JNA 9/28/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	NA	Good	Not Present	NA		

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces NM 88004
Phone #: 575-528-3609
email or Fax#: lguerra@las-cruces.gov
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☐ Rush_____
Project Name: Joint Super fund Project monthly Analysis
Project #: CLC-Jsp Griggs Walnut
Project Manager: Luis Guerra: 575-528-3609
Sampler: EJ
On Ice: ☐ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): NA (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309E99	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/20/23	0826	Air	CLC AS1-230926	Tedlar BAG	N/A	001								X		
9/20/23	0827	Air	CLC AS1-230926 (Dup.)	Tedlar BAG	N/A	002								X		
9/20/23	0829	Air	CLC AS2-230926	Tedlar BAG	N/A	003								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/20/23	1400	EJ		UPS	9-21-23	9:20
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Sena results to:
Luis Guerra: lguerra@las-cruces.gov
Sena invoice to CLC c/o Luis Guerra

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

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 03, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2310B63

Dear Luis Guerra:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 10/25/2023 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 18-231024
Project: Joint Superfund Project Monthly Analysi
Collection Date: 10/24/2023 8:06:00 AM
Lab ID: 2310B63-001
Matrix: DRINKING W
Received Date: 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Toluene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Ethylbenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Naphthalene	ND	2.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Acetone	ND	10		µg/L	1	10/31/2023 2:16:00 PM	R100850
Bromobenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Bromoform	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Bromomethane	ND	3.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
2-Butanone	ND	10		µg/L	1	10/31/2023 2:16:00 PM	R100850
Carbon disulfide	ND	10		µg/L	1	10/31/2023 2:16:00 PM	R100850
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Chlorobenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Chloroethane	ND	2.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Chloroform	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Chloromethane	ND	3.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Dibromomethane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2023 2:16:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 18-231024
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 10/24/2023 8:06:00 AM
Lab ID: 2310B63-001 **Matrix:** DRINKING W **Received Date:** 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
2-Hexanone	ND	10		µg/L	1	10/31/2023 2:16:00 PM	R100850
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2023 2:16:00 PM	R100850
Methylene Chloride	ND	3.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
n-Butylbenzene	ND	3.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Styrene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Tetrachloroethene (PCE)	2.8	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Vinyl chloride	ND	1.0		µg/L	1	10/31/2023 2:16:00 PM	R100850
Xylenes, Total	ND	1.5		µg/L	1	10/31/2023 2:16:00 PM	R100850
Surr: 1,2-Dichloroethane-d4	99.5	70-130		%Rec	1	10/31/2023 2:16:00 PM	R100850
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/31/2023 2:16:00 PM	R100850
Surr: Dibromofluoromethane	90.2	70-130		%Rec	1	10/31/2023 2:16:00 PM	R100850
Surr: Toluene-d8	103	70-130		%Rec	1	10/31/2023 2:16:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC 27-231024
Project: Joint Superfund Project Monthly Analysi
Collection Date: 10/24/2023 8:35:00 AM
Lab ID: 2310B63-002
Matrix: DRINKING W
Received Date: 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Toluene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Ethylbenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Naphthalene	ND	2.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Acetone	ND	10		µg/L	1	10/31/2023 3:28:00 PM	R100850
Bromobenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Bromoform	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Bromomethane	ND	3.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
2-Butanone	ND	10		µg/L	1	10/31/2023 3:28:00 PM	R100850
Carbon disulfide	ND	10		µg/L	1	10/31/2023 3:28:00 PM	R100850
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Chlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Chloroethane	ND	2.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Chloroform	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Chloromethane	ND	3.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Dibromomethane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2023 3:28:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 27-231024
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 10/24/2023 8:35:00 AM
Lab ID: 2310B63-002 **Matrix:** DRINKING W **Received Date:** 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
2-Hexanone	ND	10		µg/L	1	10/31/2023 3:28:00 PM	R100850
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2023 3:28:00 PM	R100850
Methylene Chloride	ND	3.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
n-Butylbenzene	ND	3.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Styrene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Tetrachloroethene (PCE)	14	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Vinyl chloride	ND	1.0		µg/L	1	10/31/2023 3:28:00 PM	R100850
Xylenes, Total	ND	1.5		µg/L	1	10/31/2023 3:28:00 PM	R100850
Surr: 1,2-Dichloroethane-d4	99.1	70-130		%Rec	1	10/31/2023 3:28:00 PM	R100850
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/31/2023 3:28:00 PM	R100850
Surr: Dibromofluoromethane	90.9	70-130		%Rec	1	10/31/2023 3:28:00 PM	R100850
Surr: Toluene-d8	103	70-130		%Rec	1	10/31/2023 3:28:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-231024
Project: Joint Superfund Project Monthly Analysi
Collection Date: 10/24/2023 8:16:00 AM
Lab ID: 2310B63-003
Matrix: DRINKING W
Received Date: 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Toluene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Ethylbenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Naphthalene	ND	2.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Acetone	ND	10		µg/L	1	10/31/2023 3:52:00 PM	R100850
Bromobenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Bromodichloromethane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Bromoform	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Bromomethane	ND	3.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
2-Butanone	ND	10		µg/L	1	10/31/2023 3:52:00 PM	R100850
Carbon disulfide	ND	10		µg/L	1	10/31/2023 3:52:00 PM	R100850
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Chlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Chloroethane	ND	2.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Chloroform	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Chloromethane	ND	3.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Dibromochloromethane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Dibromomethane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2023 3:52:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-231024
Project: Joint Superfund Project Monthly Analysi
Collection Date: 10/24/2023 8:16:00 AM
Lab ID: 2310B63-003
Matrix: DRINKING W
Received Date: 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
2-Hexanone	ND	10		µg/L	1	10/31/2023 3:52:00 PM	R100850
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2023 3:52:00 PM	R100850
Methylene Chloride	ND	3.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
n-Butylbenzene	ND	3.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Styrene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Tetrachloroethene (PCE)	11	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Vinyl chloride	ND	1.0		µg/L	1	10/31/2023 3:52:00 PM	R100850
Xylenes, Total	ND	1.5		µg/L	1	10/31/2023 3:52:00 PM	R100850
Surr: 1,2-Dichloroethane-d4	97.5	70-130		%Rec	1	10/31/2023 3:52:00 PM	R100850
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/31/2023 3:52:00 PM	R100850
Surr: Dibromofluoromethane	90.0	70-130		%Rec	1	10/31/2023 3:52:00 PM	R100850
Surr: Toluene-d8	103	70-130		%Rec	1	10/31/2023 3:52:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-231024
Project: Joint Superfund Project Monthly Analysi
Collection Date: 10/24/2023 8:19:00 AM
Lab ID: 2310B63-004
Matrix: DRINKING W
Received Date: 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Toluene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Ethylbenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Naphthalene	ND	2.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Acetone	ND	10		µg/L	1	10/31/2023 4:17:00 PM	R100850
Bromobenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Bromodichloromethane	2.7	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Bromoform	2.3	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Bromomethane	ND	3.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
2-Butanone	ND	10		µg/L	1	10/31/2023 4:17:00 PM	R100850
Carbon disulfide	ND	10		µg/L	1	10/31/2023 4:17:00 PM	R100850
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Chlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Chloroethane	ND	2.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Chloroform	1.4	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Chloromethane	ND	3.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Dibromochloromethane	3.8	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Dibromomethane	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2023 4:17:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-231024
Project: Joint Superfund Project Monthly Analysi
Collection Date: 10/24/2023 8:19:00 AM
Lab ID: 2310B63-004
Matrix: DRINKING W
Received Date: 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
2-Hexanone	ND	10		µg/L	1	10/31/2023 4:17:00 PM	R100850
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2023 4:17:00 PM	R100850
Methylene Chloride	ND	3.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
n-Butylbenzene	ND	3.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Styrene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Vinyl chloride	ND	1.0		µg/L	1	10/31/2023 4:17:00 PM	R100850
Xylenes, Total	ND	1.5		µg/L	1	10/31/2023 4:17:00 PM	R100850
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%Rec	1	10/31/2023 4:17:00 PM	R100850
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/31/2023 4:17:00 PM	R100850
Surr: Dibromofluoromethane	91.3	70-130		%Rec	1	10/31/2023 4:17:00 PM	R100850
Surr: Toluene-d8	105	70-130		%Rec	1	10/31/2023 4:17:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-231024 Dup
Project: Joint Superfund Project Monthly Analysi
Collection Date: 10/24/2023 8:20:00 AM
Lab ID: 2310B63-005
Matrix: DRINKING W
Received Date: 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Toluene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Ethylbenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Naphthalene	ND	2.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
2-Methylnaphthalene	ND	4.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Acetone	ND	10		µg/L	1	10/31/2023 4:41:00 PM	R100850
Bromobenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Bromodichloromethane	2.5	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Bromoform	2.1	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Bromomethane	ND	3.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
2-Butanone	ND	10		µg/L	1	10/31/2023 4:41:00 PM	R100850
Carbon disulfide	ND	10		µg/L	1	10/31/2023 4:41:00 PM	R100850
Carbon Tetrachloride	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Chlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Chloroethane	ND	2.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Chloroform	1.4	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Chloromethane	ND	3.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
2-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
4-Chlorotoluene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
cis-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Dibromochloromethane	3.5	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Dibromomethane	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,1-Dichloroethane	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,1-Dichloroethene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,2-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,3-Dichloropropane	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
2,2-Dichloropropane	ND	2.0		µg/L	1	10/31/2023 4:41:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-231024 Dup
Project: Joint Superfund Project Monthly Analysi
Collection Date: 10/24/2023 8:20:00 AM
Lab ID: 2310B63-005
Matrix: DRINKING W
Received Date: 10/25/2023 8:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Hexachlorobutadiene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
2-Hexanone	ND	10		µg/L	1	10/31/2023 4:41:00 PM	R100850
Isopropylbenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
4-Isopropyltoluene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
4-Methyl-2-pentanone	ND	10		µg/L	1	10/31/2023 4:41:00 PM	R100850
Methylene Chloride	ND	3.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
n-Butylbenzene	ND	3.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
n-Propylbenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
sec-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Styrene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
tert-Butylbenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
trans-1,2-DCE	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Trichlorofluoromethane	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Vinyl chloride	ND	1.0		µg/L	1	10/31/2023 4:41:00 PM	R100850
Xylenes, Total	ND	1.5		µg/L	1	10/31/2023 4:41:00 PM	R100850
Surr: 1,2-Dichloroethane-d4	98.6	70-130		%Rec	1	10/31/2023 4:41:00 PM	R100850
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	10/31/2023 4:41:00 PM	R100850
Surr: Dibromofluoromethane	92.6	70-130		%Rec	1	10/31/2023 4:41:00 PM	R100850
Surr: Toluene-d8	103	70-130		%Rec	1	10/31/2023 4:41:00 PM	R100850

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310B63**

03-Nov-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R100850**	RunNo: **100850**
Prep Date:	Analysis Date: **10/31/2023**	SeqNo: **3700408** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.8	70	130			
Toluene	21	1.0	20.00	0	103	70	130			
Chlorobenzene	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	17	1.0	20.00	0	83.0	70	130			
Trichloroethene (TCE)	17	1.0	20.00	0	85.1	70	130			
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.4	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	9.1		10.00		91.3	70	130			
Surr: Toluene-d8	11		10.00		105	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R100850**	RunNo: **100850**
Prep Date:	Analysis Date: **10/31/2023**	SeqNo: **3701688** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310B63**

03-Nov-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R100850**	RunNo: **100850**
Prep Date:	Analysis Date: **10/31/2023**	SeqNo: **3701688** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310B63**

03-Nov-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R100850**	RunNo: **100850**
Prep Date:	Analysis Date: **10/31/2023**	SeqNo: **3701688** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		99.7	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	9.2		10.00		91.6	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: City of Las Cruces Work Order Number: 2310B63 RcptNo: 1

Received By: Steve McQuiston 10/25/2023 8:33:00 AM

Completed By: Cheyenne Cason 10/25/2023 8:39:45 AM

Reviewed By: 10-25-23

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? ~~Client~~ FedEx NR 10/25/23

Log In

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

# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)
Adjusted? ____
Checked by: SCM 10/25/23

Special Handling (if applicable)

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

Person Notified: ____ Date: ____
By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: ____
Client Instructions: ____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good	Not Present	Yogi		

Chain-of-Custody Record

Client: City of Las Cruces Water Quality Laboratory

Mailing Address: P.O. Box 20000 Las Cruces, N.M 88004

Phone #: 575-528-3609

email or Fax#: lguerra@lascruces.gov

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Joint Superfund Project Monthly Analysis

Project #: CLC-JSP Griggs Walnut

Project Manager: Luis Guerra (575) 528-3609

Sampler: Yadira Reyna

On Ice: ☑ Yes ☐ No

# of Coolers: YOG

Cooler Temp (including CF): 3.2-0=3.2 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2310863	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/24/23	0806	Drinking Water	CLC 18-231024	3-40mL Vials	$HgCl_2$	001								X		
	0835		CLC 27-231024			002								X		
	0816		CLC IG1-231024			003								X		
	0819		CLC ES1-231024			004								X		
10/24/23	0820	Drinking Water	CLC ES1-231024 DUP	3-40mL Vials	$HgCl_2$	005								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/24/23	1800	Yadira Reyna	SCM	FED EX	10/25/23	0833
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results to:
Luis Guerra: lguerra@lascruces.gov
Send invoice to CLC c/o Luis Guerra

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

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 13, 2023

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Analysis OrderNo.: 2312067

Dear Luis Guerra:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 12/1/2023 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 18-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:07:00 AM
Lab ID: 2312067-001 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Bromoform	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Dibromochloromethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 18-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:07:00 AM
Lab ID: 2312067-001 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 1:13:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Tetrachloroethene (PCE)	2.5	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 1:13:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 1:13:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%Rec	1	12/8/2023 1:13:00 PM	R101702
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/8/2023 1:13:00 PM	R101702
Surr: Dibromofluoromethane	101	70-130		%Rec	1	12/8/2023 1:13:00 PM	R101702
Surr: Toluene-d8	92.1	70-130		%Rec	1	12/8/2023 1:13:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 27-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:27:00 AM
Lab ID: 2312067-002 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Bromoform	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Dibromochloromethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC 27-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:27:00 AM
Lab ID: 2312067-002 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 1:37:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Tetrachloroethene (PCE)	13	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 1:37:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 1:37:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%Rec	1	12/8/2023 1:37:00 PM	R101702
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/8/2023 1:37:00 PM	R101702
Surr: Dibromofluoromethane	101	70-130		%Rec	1	12/8/2023 1:37:00 PM	R101702
Surr: Toluene-d8	90.0	70-130		%Rec	1	12/8/2023 1:37:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC IS1-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:10:00 AM
Lab ID: 2312067-003 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Bromoform	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Dibromochloromethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-231130
Project: Joint Superfund Project Monthly Analysi
Collection Date: 11/30/2023 8:10:00 AM
Lab ID: 2312067-003
Matrix: DRINKING W
Received Date: 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 2:01:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Tetrachloroethene (PCE)	10	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 2:01:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 2:01:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/8/2023 2:01:00 PM	R101702
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/8/2023 2:01:00 PM	R101702
Surr: Dibromofluoromethane	102	70-130		%Rec	1	12/8/2023 2:01:00 PM	R101702
Surr: Toluene-d8	91.2	70-130		%Rec	1	12/8/2023 2:01:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-231130 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 11/30/2023 8:11:00 AM
Lab ID: 2312067-004
Matrix: DRINKING W
Received Date: 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Bromoform	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Dibromochloromethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC IS1-231130 DUP
Project: Joint Superfund Project Monthly Analysi
Collection Date: 11/30/2023 8:11:00 AM
Lab ID: 2312067-004
Matrix: DRINKING W
Received Date: 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 2:26:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Tetrachloroethene (PCE)	10	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 2:26:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 2:26:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/8/2023 2:26:00 PM	R101702
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	12/8/2023 2:26:00 PM	R101702
Surr: Dibromofluoromethane	104	70-130		%Rec	1	12/8/2023 2:26:00 PM	R101702
Surr: Toluene-d8	90.3	70-130		%Rec	1	12/8/2023 2:26:00 PM	R101702

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

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC ES1-231130
Project: Joint Superfund Project Monthly Analysi **Collection Date:** 11/30/2023 8:14:00 AM
Lab ID: 2312067-005 **Matrix:** DRINKING W **Received Date:** 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Toluene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Ethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Naphthalene	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2-Methylnaphthalene	ND	4.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Acetone	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Bromobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Bromodichloromethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Bromoform	5.6	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Bromomethane	ND	3.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2-Butanone	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Carbon disulfide	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Carbon Tetrachloride	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Chlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Chloroethane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Chloroform	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Chloromethane	ND	3.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
4-Chlorotoluene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
cis-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Dibromochloromethane	1.9	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Dibromomethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1-Dichloroethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1-Dichloroethene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,3-Dichloropropane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2,2-Dichloropropane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702

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

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC ES1-231130
Project: Joint Superfund Project Monthly Analysi
Collection Date: 11/30/2023 8:14:00 AM
Lab ID: 2312067-005
Matrix: DRINKING W
Received Date: 12/1/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Hexachlorobutadiene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
2-Hexanone	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Isopropylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
4-Isopropyltoluene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
4-Methyl-2-pentanone	ND	10		µg/L	1	12/8/2023 2:50:00 PM	R101702
Methylene Chloride	ND	3.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
n-Butylbenzene	ND	3.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
n-Propylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
sec-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Styrene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
tert-Butylbenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
trans-1,2-DCE	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Trichlorofluoromethane	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Vinyl chloride	ND	1.0		µg/L	1	12/8/2023 2:50:00 PM	R101702
Xylenes, Total	ND	1.5		µg/L	1	12/8/2023 2:50:00 PM	R101702
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/8/2023 2:50:00 PM	R101702
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	12/8/2023 2:50:00 PM	R101702
Surr: Dibromofluoromethane	101	70-130		%Rec	1	12/8/2023 2:50:00 PM	R101702
Surr: Toluene-d8	92.4	70-130		%Rec	1	12/8/2023 2:50:00 PM	R101702

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

Qualifiers:

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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312067**

13-Dec-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R101702**	RunNo: **101702**
Prep Date:	Analysis Date: **12/8/2023**	SeqNo: **3747166** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	19	1.0	20.00	0	95.0	70	130			
Chlorobenzene	19	1.0	20.00	0	95.0	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	98.1	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	97.3	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.1	70	130			
Surr: Toluene-d8	9.1		10.00		91.3	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101702**	RunNo: **101702**
Prep Date:	Analysis Date: **12/8/2023**	SeqNo: **3747864** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312067**

13-Dec-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101702**	RunNo: **101702**
Prep Date:	Analysis Date: **12/8/2023**	SeqNo: **3747864** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312067**

13-Dec-23

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Analysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101702**	RunNo: **101702**
Prep Date:	Analysis Date: **12/8/2023**	SeqNo: **3747864** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		99.8	70	130			
Surr: Toluene-d8	9.1		10.00		91.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
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J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: City of Las Cruces Work Order Number: 2312067 RcptNo: 1

Received By: Joseph Alderette 12/1/2023 9:20:00 AM

Completed By: Desiree Dominguez 12/1/2023 2:45:40 PM

Reviewed By: 12-1-23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: SCM 12/1/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.0	Good	~~Not Present~~ YES	Morty		

DAD 12/1/23

Chain-of-Custody Record

Client: City of Las Cruces
Water Quality Laboratory
Mailing Address: P.O. Box 20000
Las Cruces NM 88004
Phone #: 575-528-3609
email or Fax#: lguerra@las-cruces.gov
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: Joint Superfund Project Monthly Analysis
Project #: CLC JSP Griggs Walnut
Project Manager: Luis Guerra (575) 528-3609
Sampler: E. Dominguez
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp (Including CF): 3.1 - 0.1 = 3.0 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312067
11/30/23	0807	Drinking water	CLC 18 - 231130	3-40 mL vials	HgCl2	-001
	0807		CLC 27 - 231130			-002
	0810		CLC 151 - 231130			-003
	0811		CLC 151 - 231130 (Dup)			-004
11/30/23	0814	Drinking water	CLC E51 - 231130	3-40 mL vials	HgCl2	-005

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
							X		
							X		
							X		
							X		
							X		

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11/30/23	1300			fedex	12-1-23	9:20
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send results to:
Luis Guerra : lguerra@las-cruces.gov
Send invoice to: CLC c/o Luis Guerra
Custody Seal present and intact 12-1-23

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

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 09, 2024

Luis Guerra
City of Las Cruces
PO Box 20000
Las Cruces, NM 88004
TEL: (575) 528-3604
FAX:

RE: Joint Superfund Project Monthly Alalysis OrderNo.: 2312F21

Dear Luis Guerra:

Eurofins Environment Testing South Central, LLC received 7 sample(s) on 12/29/2023 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC18-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:07:00 AM
Lab ID: 2312F21-001 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Toluene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Ethylbenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Naphthalene	ND	2.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Acetone	ND	10		µg/L	1	1/5/2024 5:35:00 PM	R102269
Bromobenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Bromoform	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Bromomethane	ND	3.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
2-Butanone	ND	10		µg/L	1	1/5/2024 5:35:00 PM	R102269
Carbon disulfide	ND	10		µg/L	1	1/5/2024 5:35:00 PM	R102269
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Chlorobenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Chloroethane	ND	2.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Chloroform	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Chloromethane	ND	3.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Dibromomethane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2024 5:35:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC18-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:07:00 AM
Lab ID: 2312F21-001 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
2-Hexanone	ND	10		µg/L	1	1/5/2024 5:35:00 PM	R102269
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2024 5:35:00 PM	R102269
Methylene Chloride	ND	3.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
n-Butylbenzene	ND	3.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Styrene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Tetrachloroethene (PCE)	3.1	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Vinyl chloride	ND	1.0		µg/L	1	1/5/2024 5:35:00 PM	R102269
Xylenes, Total	ND	1.5		µg/L	1	1/5/2024 5:35:00 PM	R102269
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	1/5/2024 5:35:00 PM	R102269
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	1/5/2024 5:35:00 PM	R102269
Surr: Dibromofluoromethane	106	70-130		%Rec	1	1/5/2024 5:35:00 PM	R102269
Surr: Toluene-d8	97.7	70-130		%Rec	1	1/5/2024 5:35:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLC27-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:43:00 AM
Lab ID: 2312F21-002 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Toluene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Ethylbenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Naphthalene	ND	2.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Acetone	ND	10		µg/L	1	1/5/2024 6:48:00 PM	R102269
Bromobenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Bromoform	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Bromomethane	ND	3.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
2-Butanone	ND	10		µg/L	1	1/5/2024 6:48:00 PM	R102269
Carbon disulfide	ND	10		µg/L	1	1/5/2024 6:48:00 PM	R102269
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Chlorobenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Chloroethane	ND	2.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Chloroform	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Chloromethane	ND	3.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Dibromomethane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2024 6:48:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLC27-231228
Project: Joint Superfund Project Monthly Alalysi
Collection Date: 12/28/2023 8:43:00 AM
Lab ID: 2312F21-002
Matrix: DRINKING W
Received Date: 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
2-Hexanone	ND	10		µg/L	1	1/5/2024 6:48:00 PM	R102269
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2024 6:48:00 PM	R102269
Methylene Chloride	ND	3.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
n-Butylbenzene	ND	3.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Styrene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Tetrachloroethene (PCE)	13	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Vinyl chloride	ND	1.0		µg/L	1	1/5/2024 6:48:00 PM	R102269
Xylenes, Total	ND	1.5		µg/L	1	1/5/2024 6:48:00 PM	R102269
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	1/5/2024 6:48:00 PM	R102269
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	1/5/2024 6:48:00 PM	R102269
Surr: Dibromofluoromethane	107	70-130		%Rec	1	1/5/2024 6:48:00 PM	R102269
Surr: Toluene-d8	98.6	70-130		%Rec	1	1/5/2024 6:48:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLCIS1-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:17:00 AM
Lab ID: 2312F21-003 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Toluene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Ethylbenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Naphthalene	ND	2.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Acetone	ND	10		µg/L	1	1/5/2024 7:13:00 PM	R102269
Bromobenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Bromoform	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Bromomethane	ND	3.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
2-Butanone	ND	10		µg/L	1	1/5/2024 7:13:00 PM	R102269
Carbon disulfide	ND	10		µg/L	1	1/5/2024 7:13:00 PM	R102269
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Chlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Chloroethane	ND	2.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Chloroform	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Chloromethane	ND	3.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Dibromomethane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2024 7:13:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLCIS1-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:17:00 AM
Lab ID: 2312F21-003 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
2-Hexanone	ND	10		µg/L	1	1/5/2024 7:13:00 PM	R102269
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2024 7:13:00 PM	R102269
Methylene Chloride	ND	3.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
n-Butylbenzene	ND	3.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Styrene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Tetrachloroethene (PCE)	11	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Vinyl chloride	ND	1.0		µg/L	1	1/5/2024 7:13:00 PM	R102269
Xylenes, Total	ND	1.5		µg/L	1	1/5/2024 7:13:00 PM	R102269
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	1/5/2024 7:13:00 PM	R102269
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	1/5/2024 7:13:00 PM	R102269
Surr: Dibromofluoromethane	106	70-130		%Rec	1	1/5/2024 7:13:00 PM	R102269
Surr: Toluene-d8	97.1	70-130		%Rec	1	1/5/2024 7:13:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLCC1-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:19:00 AM
Lab ID: 2312F21-004 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Toluene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Ethylbenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Naphthalene	ND	2.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Acetone	ND	10		µg/L	1	1/5/2024 7:37:00 PM	R102269
Bromobenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Bromoform	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Bromomethane	ND	3.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
2-Butanone	ND	10		µg/L	1	1/5/2024 7:37:00 PM	R102269
Carbon disulfide	ND	10		µg/L	1	1/5/2024 7:37:00 PM	R102269
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Chlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Chloroethane	ND	2.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Chloroform	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Chloromethane	ND	3.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Dibromomethane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2024 7:37:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLCC1-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:19:00 AM
Lab ID: 2312F21-004 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
2-Hexanone	ND	10		µg/L	1	1/5/2024 7:37:00 PM	R102269
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2024 7:37:00 PM	R102269
Methylene Chloride	ND	3.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
n-Butylbenzene	ND	3.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Styrene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Vinyl chloride	ND	1.0		µg/L	1	1/5/2024 7:37:00 PM	R102269
Xylenes, Total	ND	1.5		µg/L	1	1/5/2024 7:37:00 PM	R102269
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	1/5/2024 7:37:00 PM	R102269
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	1/5/2024 7:37:00 PM	R102269
Surr: Dibromofluoromethane	108	70-130		%Rec	1	1/5/2024 7:37:00 PM	R102269
Surr: Toluene-d8	98.7	70-130		%Rec	1	1/5/2024 7:37:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLCC1-231228 DUP
Project: Joint Superfund Project Monthly Alalysi
Collection Date: 12/28/2023 8:20:00 AM
Lab ID: 2312F21-005
Matrix: DRINKING W
Received Date: 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Toluene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Ethylbenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Naphthalene	ND	2.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Acetone	ND	10		µg/L	1	1/5/2024 8:02:00 PM	R102269
Bromobenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Bromoform	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Bromomethane	ND	3.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
2-Butanone	ND	10		µg/L	1	1/5/2024 8:02:00 PM	R102269
Carbon disulfide	ND	10		µg/L	1	1/5/2024 8:02:00 PM	R102269
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Chlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Chloroethane	ND	2.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Chloroform	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Chloromethane	ND	3.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Dibromomethane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2024 8:02:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLCC1-231228 DUP
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:20:00 AM
Lab ID: 2312F21-005 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
2-Hexanone	ND	10		µg/L	1	1/5/2024 8:02:00 PM	R102269
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2024 8:02:00 PM	R102269
Methylene Chloride	ND	3.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
n-Butylbenzene	ND	3.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Styrene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Vinyl chloride	ND	1.0		µg/L	1	1/5/2024 8:02:00 PM	R102269
Xylenes, Total	ND	1.5		µg/L	1	1/5/2024 8:02:00 PM	R102269
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	1/5/2024 8:02:00 PM	R102269
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	1/5/2024 8:02:00 PM	R102269
Surr: Dibromofluoromethane	111	70-130		%Rec	1	1/5/2024 8:02:00 PM	R102269
Surr: Toluene-d8	97.2	70-130		%Rec	1	1/5/2024 8:02:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLCC2-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:21:00 AM
Lab ID: 2312F21-006 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Toluene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Ethylbenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Naphthalene	ND	2.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Acetone	ND	10		µg/L	1	1/5/2024 8:26:00 PM	R102269
Bromobenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Bromoform	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Bromomethane	ND	3.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
2-Butanone	ND	10		µg/L	1	1/5/2024 8:26:00 PM	R102269
Carbon disulfide	ND	10		µg/L	1	1/5/2024 8:26:00 PM	R102269
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Chlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Chloroethane	ND	2.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Chloroform	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Chloromethane	ND	3.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Dibromomethane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2024 8:26:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLCC2-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:21:00 AM
Lab ID: 2312F21-006 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
2-Hexanone	ND	10		µg/L	1	1/5/2024 8:26:00 PM	R102269
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2024 8:26:00 PM	R102269
Methylene Chloride	ND	3.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
n-Butylbenzene	ND	3.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Styrene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Vinyl chloride	ND	1.0		µg/L	1	1/5/2024 8:26:00 PM	R102269
Xylenes, Total	ND	1.5		µg/L	1	1/5/2024 8:26:00 PM	R102269
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	1/5/2024 8:26:00 PM	R102269
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	1/5/2024 8:26:00 PM	R102269
Surr: Dibromofluoromethane	107	70-130		%Rec	1	1/5/2024 8:26:00 PM	R102269
Surr: Toluene-d8	98.4	70-130		%Rec	1	1/5/2024 8:26:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces **Client Sample ID:** CLCES1-231228
Project: Joint Superfund Project Monthly Alalysi **Collection Date:** 12/28/2023 8:26:00 AM
Lab ID: 2312F21-007 **Matrix:** DRINKING W **Received Date:** 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Toluene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Ethylbenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Naphthalene	ND	2.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Acetone	ND	10		µg/L	1	1/5/2024 8:50:00 PM	R102269
Bromobenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Bromoform	11	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Bromomethane	ND	3.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
2-Butanone	ND	10		µg/L	1	1/5/2024 8:50:00 PM	R102269
Carbon disulfide	ND	10		µg/L	1	1/5/2024 8:50:00 PM	R102269
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Chlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Chloroethane	ND	2.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Chloroform	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Chloromethane	ND	3.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Dibromochloromethane	2.7	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Dibromomethane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2024 8:50:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: City of Las Cruces
Client Sample ID: CLCES1-231228
Project: Joint Superfund Project Monthly Alalysi
Collection Date: 12/28/2023 8:26:00 AM
Lab ID: 2312F21-007
Matrix: DRINKING W
Received Date: 12/29/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
2-Hexanone	ND	10		µg/L	1	1/5/2024 8:50:00 PM	R102269
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2024 8:50:00 PM	R102269
Methylene Chloride	ND	3.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
n-Butylbenzene	ND	3.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Styrene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Vinyl chloride	ND	1.0		µg/L	1	1/5/2024 8:50:00 PM	R102269
Xylenes, Total	ND	1.5		µg/L	1	1/5/2024 8:50:00 PM	R102269
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	1/5/2024 8:50:00 PM	R102269
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	1/5/2024 8:50:00 PM	R102269
Surr: Dibromofluoromethane	107	70-130		%Rec	1	1/5/2024 8:50:00 PM	R102269
Surr: Toluene-d8	97.7	70-130		%Rec	1	1/5/2024 8:50:00 PM	R102269

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312F21**

09-Jan-24

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Alalysis

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R102269**	RunNo: **102269**
Prep Date:	Analysis Date: **1/5/2024**	SeqNo: **3775625** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.8	70	130			
Toluene	19	1.0	20.00	0	95.7	70	130			
Chlorobenzene	19	1.0	20.00	0	97.5	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	97.3	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	95.8	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.9		10.00		99.5	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R102269**	RunNo: **102269**
Prep Date:	Analysis Date: **1/5/2024**	SeqNo: **3775626** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312F21**

09-Jan-24

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Alalysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R102269**	RunNo: **102269**
Prep Date:	Analysis Date: **1/5/2024**	SeqNo: **3775626** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312F21**

09-Jan-24

Client: City of Las Cruces

Project: Joint Superfund Project Monthly Alalysis

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R102269**	RunNo: **102269**
Prep Date:	Analysis Date: **1/5/2024**	SeqNo: **3775626** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		107	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	9.7		10.00		97.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
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S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **City of Las Cruces** Work Order Number: **2312F21** RcptNo: **1**

Received By: **Tracy Casarrubias** **12/29/2023 8:35:00 AM**

Completed By: **Tracy Casarrubias** **12/29/2023 10:05:40 AM**

Reviewed By: TM 12/29/23

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: TMe 12/29/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Yes	Morty		

Chain-of-Custody Record

Client: City of Las Cruces Water Quality Laboratory

Mailing Address: P.O. Box 20000 Las Cruces, N.M 88004

Phone #: 575-528-3609

email or Fax#: lguerra@lascruces.gov

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Joint Superfund Project Monthly Analysis

Project #: CLC JSP Griggs Walnut

Project Manager: Luis Guerra (575) 528-3609

Sampler: Yadira Reyna

On Ice: ☑ Yes ☐ No many

# of Coolers: 1

Cooler Temp (including CF): 1.9+0=1.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312F21	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (~~VOA~~)VOC	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/28/23	0807	Drinking Water	CLC 18-231228	3-40ml Vials	$HgCl_2$	001								X		
	0843		CLC 27-231228			002								X		
	0817		CLC ES1-231228			003								X		
	0819		CLC C1-~~231228~~ 231229			004								X		
	0820		CLC C1-231228 DUP			005								X		
	0821		CLC C2-231228			006								X		
12/28/23	0824	Drinking Water	CLC ES1-231228	3-40ml Vials	$HgCl_2$	007								X		

Date:	Time:	Relinquished by:	Received by:	Via: Fed Ex	Date	Time
12/28/23	1300	Yadira Reyna			12/29/23	8:35
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results to: Luis Guerra: lguerra@lascruces.gov
Send invoice to: CLC c/o Luis Guerra

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

Appendix F

Letters Sent to Agencies and Agency Responses

DBS&A
a Geo-Logic Company

New Mexico
Environment Department
Ground Water Quality Bureau
Superfund Oversight Section

DBS&A
a Geo-Logic Company

Joint Superfund Project

City of Las Cruces and Doña Ana County

April 26, 2024

Mr. Mark Garman, Program Manager
Superfund Oversight Section
New Mexico Environment Department
Ground Water Quality Bureau
P.O. Box 5469
Santa Fe, NM 87502-5469

Dear Mr. Garman:

Thank you for your help and support to the City of Las Cruces and Dona Ana County, acting as the Joint Superfund Project (JSP) for the Griggs and Walnut Ground Water Plume Superfund Site (GWP). The United States Environmental Protection Agency issued a Consent Decree (CD) with a July 30, 2020 effective date.

In accordance with the CD Statement of Work, Paragraph 11.e., an Institutional Control Implementation and Assurance Plan (ICIAP) was previously developed and approved by EPA. As part of the ICIAP, we are required to contact you annually to inquire and determine if any new releases have occurred that may affect groundwater or the remediation efforts within the plume footprint. We believe that no releases have occurred but appreciate you reviewing your records and notifying us of any new releases that may affect our remediation efforts.

Attached for your review, is a map depicting the well moratorium (plume footprint) instituted October 6, 2011, by the New Mexico Office of the State Engineer. Thank you for providing us feedback last year related to any releases during 2022. We are requesting any information related to releases during 2023 within the plume footprint or buffer zone you may have.

We appreciate your assistance in this matter and respectfully request your response for the following:

- Confirm that no new releases have been reported in the plume footprint OR
- If new releases have been reported in the plume footprint, please indicate:
  - location
  - date of release
  - contact person and information so that the JSP can coordinate data sharing

.

We truly appreciate your consideration in this matter and hope we can receive your response prior to May 9, 2024, so we may include it with the GWP annual report to EPA. Below is my contact information and please feel free to respond via email to awidmer@lascruces.gov if you wish.

Adrienne L. Widmer, P.E.
Las Cruces Utilities
680 N. Motel Boulevard
Las Cruces, NM 88007

Sincerely,



Adrienne L. Widmer, P.E.
Project Coordinator, Griggs and Walnut Groundwater Plume Superfund Site
Utilities Director, City of Las Cruces Utilities

Attachment: As noted

cc: Dave Medeiros, Attorney Contract Attorney, Dona Ana County and JSP, via email
Justin Ball, Bureau Chief, NMED Ground Water Quality Bureau, via email
Karen Menetrey, Remediation Oversight Section, via email
Joshua Faulconer, NMED Superfund Oversight Section, via email
Laurel Seus, NMED Superfund Oversight Section, via email
Lorena Goerger, Bureau Chief, NMED Petroleum Storage Tank Bureau, via email Grace Herrmann, P.E., via email



Coordinates of Well Moratorium Boundary		
Coordinate	Longitude	Latitude
1	-106.757623	32.312603
2	-106.759926	32.312390
3	-106.761858	32.313054
4	-106.762942	32.314425
5	-106.762984	32.316208
6	-106.761689	32.317861
7	-106.755074	32.320984
8	-106.749337	32.322685
9	-106.747473	32.322715
10	-106.746088	32.321996
11	-106.745687	32.320752
12	-106.746379	32.318800
13	-106.751617	32.315092

Explanation

- City of Las Cruces supply well
- City of Las Cruces water reservoir
- PCE in groundwater greater than 5 µg/L
- Well moratorium boundary
- Coordinate of well moratorium boundary

Sources: 1. National Agricultural Imagery Program August 2009 Downloaded from RGIS
2. JSAI, 2009

Daniel B. Stephens & Associates, Inc.
2/14/2019
JN ES09.0306

GRIGGS-WALNUT GROUND WATER PLUME SITE
Well Moratorium Boundary

Figure 1

\\ss6abq\Data5\Projects\ES09.0306_Griggs-Walnut\GIS\MXDs\Site_maps\Well_moratorium.mxd

Herrmann, Grace

From: Garman, Mark, ENV <Mark.Garman@env.nm.gov>
Sent: Tuesday, April 30, 2024 10:42 AM
To: Steven Perez
Cc: Medeiros, David; Ball, Justin, ENV; Schuman, George, ENV; Faulconer, Joshua, ENV; Seus, Laurel, ENV; Goerger, Lorena, ENV; Herrmann, Grace
Subject: RE: [EXTERNAL] 04-29-2024 Griggs and Walnut Ground Water Plume Superfund Site - Institutional Control Implementation and Assurance

Hi Steve,

Nice to hear from you. The NMED Superfund Oversight Section is not aware of any releases within the Griggs and Walnut Superfund Site Well Moratorium footprint since your last inquiry in April 2023.

I've removed Karen Menetrey from the Cc list because she has retired. I have copied her replacement as Remediation Oversight Section Manager, George Schuman.

Thanks,

Mark Garman, Manager
Superfund Oversight Section
New Mexico Environment Department
Ground Water Quality Bureau
1190 St Francis Drive, Santa Fe, NM 87505
(Phone) 505-660-8464
mark.garman@env.nm.gov
www.env.nm.gov

From: Steven Perez <stperez@lascruces.gov>
Sent: Monday, April 29, 2024 5:49 PM
To: Garman, Mark, ENV <Mark.Garman@env.nm.gov>
Cc: Medeiros, David <davem@donaanacounty.org>; Ball, Justin, ENV <Justin.Ball@env.nm.gov>; Menetrey, Karen, ENV <karen.menetrey@env.nm.gov>; Faulconer, Joshua, ENV <Joshua.Faulconer@env.nm.gov>; Seus, Laurel, ENV <laurel.seus@env.nm.gov>; Goerger, Lorena, ENV <lorena.goerger@env.nm.gov>; Herrmann, Grace <gherrmann@geo-logic.com>
Subject: [EXTERNAL] 04-29-2024 Griggs and Walnut Ground Water Plume Superfund Site - Institutional Control Implementation and Assurance

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good evening Mark,

Hope all is well!

Please see the attached letter requesting information related to the institutional controls for the Griggs and Walnut JSP.

Feel free to reach out to me with any questions or if you need additional information.

We look forward to your response, thank you!

Steve Perez
Regulatory Compliance Analyst / Regulatory Compliance / Las Cruces Utilities
Direct: (575) 528-3704
Main: (575) 528-3512
stperez@lascruces.gov
CITY OF LAS CRUCES

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

New Mexico
Environment Department
Petroleum Storage Tank Bureau

DBS&A
a Geo-Logic Company

Joint Superfund Project

City of Las Cruces and Doña Ana County

April 26, 2024

Ms. Lorena Goerger, Bureau Chief
New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive east, Building 1
Santa Fe, NM 87505

Dear Ms. Goerger:

Thank you for your help and support to the City of Las Cruces and Dona Ana County, acting as the Joint Superfund Project (JSP) for the Griggs and Walnut Ground Water Plume Superfund Site (GWP). The United States Environmental Protection Agency issued a Consent Decree (CD) with a July 30, 2020 effective date.

In accordance with the CD Statement of Work, Paragraph 11.e., an Institutional Control Implementation and Assurance Plan (ICIAP) was previously developed and approved by EPA. As part of the ICIAP, we are required to contact you annually to inquire and determine if any new releases have occurred that may affect groundwater or the remediation efforts within the plume footprint. We believe that no releases have occurred but appreciate you reviewing your records and notifying us of any new releases that may affect our remediation efforts.

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We appreciate your assistance in this matter and respectfully request your response for the following:

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  - location
  - date of release
  - contact person and information so that the JSP can coordinate data sharing

.

We truly appreciate your consideration in this matter and hope we can receive your response prior to May 9, 2024, so we may include it with the GWP annual report to EPA. Below is my contact information and please feel free to respond via email to awidmer@lascruces.gov if you wish.

Adrienne L. Widmer, P.E.
Las Cruces Utilities
680 N. Motel Boulevard
Las Cruces, NM 88007

Sincerely,



Adrienne L. Widmer, P.E.
Project Coordinator, Griggs and Walnut Groundwater Plume Superfund Site
Utilities Director, City of Las Cruces Utilities

Attachment: As noted

cc: Dave Medeiros, Attorney Contract Attorney, Dona Ana County and JSP, via email
Justin Ball, Bureau Chief, NMED Ground Water Quality Bureau, via email
Karen Menetrey, Remediation Oversight Section, via email
Joshua Faulconer, NMED Superfund Oversight Section, via email
Laurel Seus, NMED Superfund Oversight Section, via email
Grace Herrmann, P.E., via email



Coordinates of
Well Moratorium Boundary

Coordinate	Longitude	Latitude
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13	-106.751617	32.315092

Explanation

- City of Las Cruces supply well
- City of Las Cruces water reservoir
- PCE in groundwater greater than 5 µg/L
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- Coordinate of well moratorium boundary

Sources: 1. National Agricultural Imagery Program
August 2009
Downloaded from RGIS
2. JSAI, 2009

Daniel B. Stephens & Associates, Inc.
2/14/2019
JN ES09.0306

GRIGGS-WALNUT GROUND WATER PLUME SITE
Well Moratorium Boundary

Figure 1

\\ss6abq\Data5\Projects\ES09.0306_Griggs-Walnut\GIS\MXDs\Site_maps\Well_moratorium.mxd

Herrmann, Grace

From: Goerger, Lorena, ENV <lorena.goerger@env.nm.gov>
Sent: Monday, May 6, 2024 3:58 PM
To: Steven Perez
Cc: Adrienne Widmer; Herrmann, Grace
Subject: RE: [EXTERNAL] FW: Griggs and Walnut Ground Water Plume Superfund Site - Institutional Control Implementation and Assurance
Attachments: JSP LORENA GOERGER SIGNED LETTER.pdf

Hello Steve,

After a review of the database and releases in the Las Cruces area shown in your map, there are no new confirmed releases within the plume area.

Please let me know if you need any other information.

Sincerely,
Lorena

Lorena Goerger
Bureau Chief - PSTB
cell: (505) 670-9618
lorena.goerger@env.nm.gov

From: Steven Perez <stperez@lascruces.gov>
Sent: Monday, May 6, 2024 10:33 AM
To: Goerger, Lorena, ENV <lorena.goerger@env.nm.gov>
Cc: Adrienne Widmer <awidmer@lascruces.gov>; Herrmann, Grace <gherrmann@geo-logic.com>
Subject: [EXTERNAL] FW: Griggs and Walnut Ground Water Plume Superfund Site - Institutional Control Implementation and Assurance

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Ms. Goerger,

I am re-submitting this email in case it got buried in your inbox last week. Please see attached. LCU is attempting to get a response prior to May 9th so that we may include in our annual report to EPA. Thank you!

Steve Perez
Regulatory Compliance Analyst / Regulatory Compliance / Las Cruces Utilities
Direct: (575) 528-3704
Main: (575) 528-3512
stperez@lascruces.gov
CITY OF LAS CRUCES

From: Steven Perez
Sent: Monday, April 29, 2024 5:43 PM
To: lorena.goerger@env.nm.gov
Cc: Adrienne Widmer <awidmer@lascruces.gov>; davem@donaanacounty.org; Seus, Laurel, ENV <laurel.seus@env.nm.gov>; Faulconer, Joshua, ENV <Joshua.Faulconer@env.nm.gov>; Ball, Justin, ENV <Justin.Ball@env.nm.gov>; Herrmann, Grace <gherrmann@geo-logic.com>; karen.menetrey@env.nm.gov
Subject: Griggs and Walnut Ground Water Plume Superfund Site - Institutional Control Implementation and Assurance

Good evening Ms. Goerger,

Please see the attached letter requesting information related to the institutional controls for the Griggs and Walnut Joint Superfund Project. Please feel free to respond via email, and if you have any questions or need additional information, let me know!

We look forward to your response, thank you!

Steve Perez
Regulatory Compliance Analyst / Regulatory Compliance / Las Cruces Utilities
Direct: (575) 528-3704
Main: (575) 528-3512
stperez@lascruces.gov
CITY OF LAS CRUCES

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New Mexico
Office of the State Engineer
District IV

DBS&A
a Geo-Logic Company

Joint Superfund Project

City of Las Cruces and Doña Ana County

April 26, 2024

Mr. Craig Cathey
District IV Supervisor
New Mexico Office of the State Engineer
1680 Hickory Loop, Suite J
Las Cruces, NM 88005-6598

Dear Mr. Cathey:

Thank you for your office's help and support to the City of Las Cruces and Dona Ana County, acting as the Joint Superfund Project (JSP) for the Griggs and Walnut Ground Water Plume Superfund Site (GWP). On October 6, 2011, your office instituted an Order that no new appropriations of ground water, including new Section 72-12-1.1, 72-12-1.2 and 72-12-1.3 (NMSA) wells and no transfers of water to existing wells except for those submitted on behalf of the City of Las Cruces and Dona Ana County Joint Superfund Project for the installation of monitor wells associated with the EPA-mandated ground water remedial action will be allowed within the area of the plume footprint.

The United States Environmental Protection Agency issued a Consent Decree (CD) with a July 30, 2020 effective date. In accordance with the CD Statement of Work, Paragraph 11.e., an Institutional Control Implementation and Assurance Plan (ICIAP) was previously developed and approved by EPA.

As part of the ICIAP, we are required to contact you annually to inquire if the Order has been effective. Attached for your review, is a map depicting the Order. Thank you for providing us feedback last year for 2022. We are requesting if any activities related to the Order inside the plume footprint during 2023 have occurred.

We appreciate your assistance in this matter and respectfully request your response for the following:

- Confirm that no new appropriations of ground water, including new Section 72-12-1.1, 72-12-1.2 and 72-12-1.3 (NMSA) wells and no transfers of water to existing wells except for those submitted on behalf of the City of Las Cruces and Dam Ana County Joint Superfund Project for the installation of monitor wells associated with the EPA-mandated ground water remedial action will be allowed within the area of the plume footprint.

Thank you for your consideration in this matter and hope we can receive your response prior to May 9, 2024, so we may include it with the GWP annual report to EPA. Below is my contact information and please feel free to respond via email to awidmer@lascruces.gov if you wish.

Adrienne L. Widmer, P.E.
Las Cruces Utilities
680 N. Motel Boulevard
Las Cruces, NM 88007

Sincerely,



Adrienne L. Widmer, P.E.
Project Coordinator, Griggs and Walnut Groundwater Plume Superfund Site
Utilities Director, City of Las Cruces Utilities

Attachment: As noted

cc: Dave Medeiros, Attorney Contract Attorney, Dona Ana County and JSP, via email
Jerri Pohl, Supervisor of Statewide Projects, New Mexico Office of the State Engineer, via email
Grace Herrmann, P.E., via email



Coordinates of
Well Moratorium Boundary

Coordinate	Longitude	Latitude
1	-106.757623	32.312603
2	-106.759926	32.312390
3	-106.761858	32.313054
4	-106.762942	32.314425
5	-106.762984	32.316208
6	-106.761689	32.317861
7	-106.755074	32.320984
8	-106.749337	32.322685
9	-106.747473	32.322715
10	-106.746088	32.321996
11	-106.745687	32.320752
12	-106.746379	32.318800
13	-106.751617	32.315092

Explanation

- City of Las Cruces supply well
- City of Las Cruces water reservoir
- PCE in groundwater greater than 5 µg/L
- Well moratorium boundary
- Coordinate of well moratorium boundary

Sources: 1. National Agricultural Imagery Program
August 2009
Downloaded from RGIS
2. JSAI, 2009

Daniel B. Stephens & Associates, Inc.
2/14/2019
JN ES09.0306

GRIGGS-WALNUT GROUND WATER PLUME SITE
Well Moratorium Boundary

Figure 1

\\ss6abq\Data5\Projects\ES09.0306_Griggs-Walnut\GIS\MXDs\Site_maps\Well_moratorium.mxd

Herrmann, Grace

From: Cathey, Craig D., OSE <craig.cathey@ose.nm.gov>
Sent: Thursday, May 2, 2024 8:17 AM
To: Steven Perez
Cc: Medeiros, David; Herrmann, Grace; Pohl, Jerri, OSE; Adrienne Widmer
Subject: RE: [EXTERNAL] 04-29-2024 Griggs and Walnut Ground Water Plume Superfund Site - Institutional Control Implementation and Assurance

Good morning,

Nothing has changed from this time last year. A search of our records did not find any new appropriations of groundwater including Section 72-12-1.1, 72-12-1.2 or 72-12-1.3 (NMSA) wells within the plume footprint during 2023. There have also been no transfers of water to existing wells within the plume footprint during 2023.

Best,

Craig Cathey
New Mexico Office of the State Engineer
Las Cruces, District IV Manager
1680 Hickory Loop, Suite J
Las Cruces, NM 88005
Office (575) 524-6161
Fax (575) 524-6160
www.ose.state.nm.us

find your well online using the New Mexico Water Rights Reporting System:
https://nmwrrs.ose.state.nm.us/nmwrrs/index.html

find your well online using GIS:
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/

view notices for publication:
https://www.ose.state.nm.us/NFP/nfp.php

enter your meter readings:
https://www.ose.state.nm.us/Meter/

From: Steven Perez <stperez@lascruces.gov>
Sent: Monday, April 29, 2024 5:55 PM
To: Cathey, Craig D., OSE <craig.cathey@ose.nm.gov>
Cc: Medeiros, David <davem@donaanacounty.org>; Herrmann, Grace <gherrmann@geo-logic.com>; Pohl, Jerri, OSE <Jerri.Pohl@ose.nm.gov>; Adrienne Widmer <awidmer@lascruces.gov>
Subject: [EXTERNAL] 04-29-2024 Griggs and Walnut Ground Water Plume Superfund Site - Institutional Control Implementation and Assurance

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good evening Mr. Cathey,

Please see the attached letter requesting information related to the institutional controls for the Griggs and Walnut Joint Superfund Project. Please feel free to respond via email, and if you have any questions or need additional information, let me know!

We look forward to your response, thank you!

Steve Perez
Regulatory Compliance Analyst / Regulatory Compliance / Las Cruces Utilities
Direct: (575) 528-3704
Main: (575) 528-3512
stperez@lascruces.gov
CITY OF LAS CRUCES

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Appendix G

Data Validation Report

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Appendix G. Data Validation Report

A total of 115 samples were collected between January 24 and December 28, 2023 as part of the Griggs-Walnut Ground Water Plume Superfund Site (GWP site) remedial action. These samples include 79 remediation system (process) samples collected by City of Las Cruces (CLC) staff and 35 samples associated with the annual sampling event completed between November 14 and 16, 2023 collected by Daniel B. Stephens & Associates, Inc. (DBS&A). A set of process samples collected by CLC on May 9, 2023 did not meet laboratory temperature requirements. These samples were recollected on May 23, 2023. While the air samples from May 9, 2023 were analyzed, all samples from that date, including air samples and duplicates, have been excluded from the total number of samples presented in this report.

During the annual event, samples were collected using dedicated Hydrasleeves. All samples were submitted for analysis to Eurofins Environment Testing (Eurofins, formerly Hall Environmental Analysis Laboratory [HEAL]) in Albuquerque, New Mexico. Analytical results for the samples were provided by Eurofins/HEAL in both PDF form and as electronic data deliverables (EDDs). Analyses included volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) method 8260B, and dissolved and total uranium and arsenic using EPA method 200.8. Table G-1 summarizes the groundwater samples that were required to be collected for the annual event, along with those actually collected.

Table G-2 provides information on each of the samples analyzed as part of this data validation report. The criteria used in evaluation of the samples are detailed in the project sampling and analysis plan (SAP).

Laboratory verification of the data is sufficient and acceptable. Instrument continuing calibration verification analysis, quality control (QC) reference standards, and instrument blanks were analyzed with each batch where the data were provided. A total of 2 matrix spikes (MSs) and matrix spike duplicates (MSDs) were analyzed at a frequency of approximately 7 percent of the primary samples collected during the annual sampling event. A total of 19 field duplicate samples were analyzed, including 1 per month for process sampling along with quarterly air samples, and at a frequency of approximately 10 percent for the annual sampling event.

QC for the air and water samples is evaluated in Table G-3. The following comments address the relevant QC criteria outlined in Table 3 of the SAP and any deviations that were observed during the data validation and verification process:

- All process water, groundwater, and air stripper samples were reported as being collected in the appropriate sample containers by the receiving laboratory and were analyzed within the appropriate holding times per Tables 11 and 12 of the SAP.
- CLC-27 only operated for the first 12 days of January 2023. Consequently, a January 2023 sample was not collected at the regular end-of-month interval. One sample location included in the groundwater sampling plan was not sampled as part of the annual sampling event. MW-SF2 was not sampled because there was insufficient water in the water column to collect a sample. MW-5 was removed from the project SAP prior to execution of the annual sampling event.
- Between monthly process sampling and the annual sampling event, the SAP called for a total of 93 primary samples to be collected during this period. There were 90 primary samples included in the data verification and validation process, which is approximately 97 percent. Data completeness meets the control limit of 90 percent.
- The SAP states that a temperature blank can be provided by the analytical laboratory and included in each sample cooler, or that the laboratory performing the analysis may elect to measure temperature of samples by use of infrared thermometer. Temperature blanks were not listed as samples on any of the chain of custody forms associated with the process sampling completed by CLC staff. Eurofins/HEAL monitored the temperature of incoming samples using an infrared thermometer. The laboratory reported that most samples were received at the appropriate temperature. Temperature blanks were not submitted during the annual sampling event. The laboratory reported that the samples were received within the required temperature range.
- As part of the data validation and database import processes, all of the EDD sample results were reviewed against the PDF deliverable to verify consistency. No discrepancies were identified as a result of this review.
- All analytical results are reported in units of micrograms per liter (µg/L). The method detection limit and reporting limit (reported as practical quantitation limits [PQLs]) for each analyte were below the maximum contaminant levels for all samples. No samples were diluted. The sensitivity requirements for the analyses were satisfied.

- Results from 17 laboratory control sample (LCS) analyses were provided by Eurofins/HEAL. LCS recoveries were provided for EPA method 300.8 analyses of arsenic and uranium. Accuracy of the LCS analyses is acceptable, with recoveries ranging between 88 and 119 percent (compared to control limits of 50 to 150 percent). LCS recoveries were provided for EPA method 8260B analyses for benzene, toluene, chlorobenzene, 1,1-dichloroethene (1,1-DCE), and trichloroethene (TCE). Accuracy of the LCS analyses is acceptable, with recoveries ranging from 86 to 99 percent (compared to control limits of 70 to 130 percent).
- Eurofins/HEAL provided results for 2 sets of MS and MSD analyses. MS and MSD recoveries were provided for benzene, toluene, chlorobenzene, 1,1-DCE, and TCE. The MS and MSD recoveries were acceptable and ranged from 87 to 121 percent (compared to control limits of 70 to 130 percent). The maximum relative percent difference (RPD) between MS and MSD recoveries was 9.1 percent for trichloroethene (less than the control limit of 30 percent). These analyses demonstrate acceptable precision and accuracy of the analytical laboratory data.
- VOC result quantitation is acceptable. No dilutions were applied to any of the samples, and all values were reported at the appropriate level of detection and within calibration range.
- Equipment blanks are required to be submitted at a rate of one per day when non-dedicated sampling equipment is used. Only dedicated sampling equipment was used during the annual sampling event; therefore, no equipment blanks were submitted for analysis.
- Field blanks were required to be collected at a frequency of 10 percent during the annual sampling event. Results from 3 field blanks were provided for 30 primary samples, which meets the minimum frequency requirement of 3 samples. None of the field blank samples had any positive detections.
- Trip blanks are required to be submitted at a rate of 1 per sample cooler during process and annual sampling. Trip blanks are typically supplied by the laboratory and are transported with the sample containers to the field site and back again. Trip blanks were not submitted during process sampling. Two coolers were used to store and transport samples during the groundwater sampling, and 2 trip blanks were submitted for analyses; this frequency meets the QC criteria. Analysis of the trip blanks did not result in any positive detections.
- A total of 19 sets of field duplicate samples were submitted to Eurofins/HEAL as part of the QC criteria, including 15 groundwater samples and 4 air stripper samples. Field duplicates are required at a rate of 1 per month for process sampling, 1 per quarter for vapor sampling, and 10 percent during the annual sampling event. For process sampling, 12 sets of process

sample duplicates were submitted, which is the appropriate rate of 1 per month. For vapor sampling, 4 duplicate samples were submitted, which excludes the duplicate air sample from May 9, 2023 that was removed from this evaluation, as described previously. This meets the requirement of 1 per quarter. For the annual event, 3 sets of duplicates were submitted out of 30 primary samples, which meets QC criteria. Precision is evaluated based on a maximum allowable RPD of 50 percent. The maximum RPD for each duplicate sample with a detection is provided in Table G-4. All 19 duplicate sample sets met the QC criteria.

Performance was acceptable with the following exceptions:

- Trip blanks were not submitted with the 12 process sampling events. Although the appropriate number of trip blanks were not submitted with the process sampling events, the data are considered acceptable based on the consistency of the results with prior data, the results of the laboratory verification processes, and the results from other field QA/QC samples.
- Two trip blanks provided during the annual sampling event were both labeled with the same sample ID by field personnel. Although these samples were not uniquely identified in the field, Eurofins/HEAL provided unique identifiers when testing in the laboratory.
- The receiving laboratory reported that all three VOA sample containers for CLC 18-230829 arrived broken. One VOA container from the duplicate sample, CLC 18-230829(Dup), was used to analyze for CLC 18-230829.
- The receiving laboratory reported that the collection dates on the chain-of-custody paperwork for the annual sampling event did not match the sample bottles. The dates were corrected by DBS&A field staff via telephone. The receiving laboratory also added "arsenic speciation" to the chain-of-custody.
- Based on Tables 9 and 10 in the SAP, duplicate sample IDs should be recorded with the sample ID name followed by "_DUP." Several duplicate samples collected did not follow this criterion. In total, six different identifiers for duplicate samples were submitted. Although the sample IDs did not follow SAP guidance, the identification and subsequent analyses of the samples were not compromised, and the data are considered acceptable.

Appendix G Tables

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Table G-1. Groundwater Samples Collected

Well Name	Required Number of Samples	Actual Number of Samples
CLC 18	1	1
CLC 27	1	1
GWMW-01-S	1	1
GWMW-01-I	1	1
GWMW-01-D	1	1
GWMW-08-S	1	1
GWMW-08-D	1	1
GWMW-09-S	1	1
GWMW-09-D1	1	1
GWMW-09-D2	1	1
GWMW-10-S	1	1
GWMW-10-I	1	1
GWMW-10-D	1	1
GWMW-11-S	1	1
GWMW-11-I	1	1
GWMW-11-D	1	1
GWMW-15-S	1	1
GWMW-15-I	1	1
GWMW-15-D	1	1
GWMW-16-S	1	1
GWMW-16-D	1	1
MW-5	1	0
MW-SF2	1	0
MW-SF5	1	1
MW-SF9	1	1
MW-SF10	1	1
NGMW-01	1	1
NGMW-02	1	1
NGMW-03	1	1

Table G-2. Sample Information
Page 1 of 4

Client Sample ID	Sample Date	Lab Sample ID	Dilutions/Comments
CLC 18-230124	1/24/2023	2301a00-001a	No dilution
CLC IS1-230124	1/24/2023	2301a00-002a	No dilution
CLC IS1-230124 (DUP)	1/24/2023	2301a00-003a	No dilution/field duplicate
CLC ES1-230124	1/24/2023	2301a00-004a	No dilution
CLC 18-230221	2/21/2023	2302972-001a	No dilution
CLC IS1-230221	2/21/2023	2302972-003a	No dilution
CLC C1-230221	2/21/2023	2302972-004a	No dilution
CLC C2-230221	2/21/2023	2302972-005a	No dilution
CLC C2-230221 DUP	2/21/2023	2302972-006a	No dilution/field duplicate
CLC ES1-230221	2/21/2023	2302972-007a	No dilution
CLC AS1-230221	2/21/2023	2302973-001a	No dilution
CLC AS1-230221 DUP	2/21/2023	2302973-002a	No dilution/field duplicate
CLC AS2-230221	2/21/2023	2302973-003a	No dilution
CLC 27-230221	2/21/2023	2302972-002a	No dilution
CLC 18-230330	3/30/2023	2303F48-001a	No dilution
CLC 18-230330(DUP)	3/30/2023	2303F48-002a	No dilution/field duplicate
CLC ESI-230330	3/30/2023	2303F48-004a	No dilution
CLC ISI-230330	3/30/2023	2303F48-005a	No dilution
CLC 27-230330	3/30/2023	2303F48-003a	No dilution
CLC27-230411	4/11/2023	2304506-002a	No dilution
CLC27-230411 DUP	4/11/2023	2304506-003a	No dilution/field duplicate
CLC18-230411	4/11/2023	2304506-001a	No dilution
CLCISI-230411	4/11/2023	2304506-004a	No dilution
CLCESI-230411	4/11/2023	2304506-005a	No dilution
CLC AS1-230509	5/9/2023	2305517-001a	No dilution
CLC AS2-230509	5/9/2023	2305517-002a	No dilution
CLC AS2-230509 DUP	5/9/2023	2305517-003a	No dilution/field duplicate
CLC18-230523	5/23/2023	2305c39-001a	No dilution
CLC151-230523	5/23/2023	2305c39-003a	No dilution
CLC C1-230523	5/23/2023	2305c39-005a	No dilution
CLC C2-230523	5/23/2023	2305c39-006a	No dilution
CLC C2-230523 (DUP)	5/23/2023	2305c39-007a	No dilution/field duplicate
CLC E51-230523	5/23/2023	2305c39-004a	No dilution

Table G-2. Sample Information
Page 2 of 4

Client Sample ID	Sample Date	Lab Sample ID	Dilutions/Comments
CLC AS1-23052.3	5/23/2023	2305C54-001a	No dilution
CLC AS2-230523	5/23/2023	2305C54-002a	No dilution
CLC AS2-230523 DUP	5/23/2023	2305C54-003a	No dilution/field duplicate
CLC 27-230523	5/23/2023	2305c39-002a	No dilution
CLC 18-230622	6/22/2023	2306c49-001a	No dilution
CLC I51-230622	6/22/2023	2306c49-003a	No dilution
CLC E51-230622	6/22/2023	2306c49-004a	No dilution
CLC E51-230622 DUP	6/22/2023	2306c49-005a	No dilution/field duplicate
CLC 27-230622	6/22/2023	2306c49-002a	No dilution
CLC 18-230713	7/13/2023	2307652-001a	No dilution
CLC IS1-230713	7/13/2023	2307652-003a	No dilution
CLC IS1-230713 DUP	7/13/2023	2307652-004a	No dilution/field duplicate
CLC ES1-230713	7/13/2023	2307652-005a	No dilution
CLC 27-230713	7/13/2023	2307652-002a	No dilution
CLC ESI-230829	8/29/2023	2308g26-005a	No dilution
CLC ISI-230829	8/29/2023	2308g26-004a	No dilution
CLC 27-230829	8/29/2023	2308g26-003a	No dilution
CLC 18-230829	8/29/2023	2308g26-001a	No dilution
CLC 18-230829(Dup)	8/29/2023	2308g26-002a	No dilution/field duplicate
CLC AS1-230926	9/26/2023	2309e99-001a	No dilution
CLC AS1-230926 (Dup.)	9/26/2023	2309e99-002a	No dilution/field duplicate
CLC AS2-230926	9/26/2023	2309e99-003a	No dilution
CLC 18-230926	9/26/2023	2309E94-001a	No dilution
CLC ISI-230926	9/26/2023	2309E94-004a	No dilution
CLC C1-230926	9/26/2023	2309E94-005a	No dilution
CLC C2-230926	9/26/2023	2309E94-006a	No dilution
CLC ESI-230926	9/26/2023	2309E94-007a	No dilution
CLC 27-230926	9/26/2023	2309E94-002a	No dilution
CLC 27-230926 (Dup)	9/26/2023	2309E94-003a	No dilution/field duplicate
CLC 18-231024	10/24/2023	2310B63-001a	No dilution
CLC IS1-231024	10/24/2023	2310B63-003a	No dilution
CLC ES1-231024	10/24/2023	2310B63-004a	No dilution
CLC ES1-231024 Dup	10/24/2023	2310B63-005a	No dilution/field duplicate

Table G-2. Sample Information
Page 3 of 4

Client Sample ID	Sample Date	Lab Sample ID	Dilutions/Comments
CLC 27-231024	10/24/2023	2310B63-002a	No dilution
GWMW-08S	11/14/2023	2311907-015a	No dilution
GWMW-08D	11/14/2023	2311907-013a	No dilution
GWMW-08D_DUP	11/14/2023	2311907-033a	No dilution/field duplicate
FB-1	11/14/2023	2311907-014a	No dilution
NGMW-03	11/15/2023	2311907-011a	No dilution
GWMW-09S	11/15/2023	2311907-016a	No dilution
GWMW-09D2	11/15/2023	2311907-017a	No dilution
FB-2	11/15/2023	2311907-023a	No dilution
GWMW-09D1	11/15/2023	2311907-018a	No dilution
MW-SF5	11/15/2023	2311907-012a	No dilution
NGMW-02	11/15/2023	2311907-010a	No dilution
NGMW-01	11/15/2023	2311907-009a	No dilution
GWMW-10D	11/15/2023	2311907-019a	No dilution
GWMW-10I	11/15/2023	2311907-020a	No dilution
GWMW-10S	11/15/2023	2311907-021a	No dilution
MW-SF10	11/15/2023	2311907-007a	No dilution
MW-SF10_DUP	11/15/2023	2311907-008a	No dilution/field duplicate
GWMW-01I	11/15/2023	2311907-022a	No dilution
GWMW-01S	11/15/2023	2311907-024a	No dilution
GWMW-11D	11/15/2023	2311907-004a	No dilution
GWMW-11D_DUP	11/15/2023	2311907-034a	No dilution/field duplicate
GWMW-11I	11/15/2023	2311907-005a	No dilution
GWMW-11S	11/15/2023	2311907-006a	No dilution
MW-SF9	11/15/2023	2311907-026a	No dilution
GWMW-15D	11/15/2023	2311907-003a	No dilution
GWMW-15I	11/15/2023	2311907-002a	No dilution
GWMW-15S	11/15/2023	2311907-001a	No dilution
CLC18	11/16/2023	2311907-029B	No dilution
CLC27	11/16/2023	2311907-030A	No dilution
GWMW-16D	11/16/2023	2311907-028a	No dilution
FB_3	11/16/2023	2311907-035a	No dilution
GWMW-16S	11/16/2023	2311907-027a	No dilution

Table G-2. Sample Information
Page 4 of 4

Client Sample ID	Sample Date	Lab Sample ID	Dilutions/Comments
GWMW-01D	11/16/2023	2311907-025a	No dilution
CLC 18-231130	11/30/2023	2312067-001a	No dilution
CLC IS1-231130	11/30/2023	2312067-003a	No dilution
CLC IS1-231130 DUP	11/30/2023	2312067-004a	No dilution/field duplicate
CLC ES1-231130	11/30/2023	2312067-005a	No dilution
CLC 27-231130	11/30/2023	2312067-002a	No dilution
CLC18-231228	12/28/2023	2312F21-001a	No dilution
CLCIS1-231228	12/28/2023	2312F21-003a	No dilution
CLCC1-231228	12/28/2023	2312F21-004a	No dilution
CLCC1-231228 DUP	12/28/2023	2312F21-005a	No dilution/field duplicate
CLCC2-231228	12/28/2023	2312F21-006a	No dilution
CLCES1-231228	12/28/2023	2312F21-007a	No dilution
CLC AS1-231228	12/28/2023	2312F07-001a	No dilution
CLC AS2-231228	12/28/2023	2312F07-002a	No dilution
CLC AS2-231228 (DUP)	12/28/2023	2312F07-003a	No dilution/field duplicate
CLC27-231228	12/28/2023	2312F21-002a	No dilution
Trip Blank		2311907-031a	No dilution
Trip Blank		2311907-032a	No dilution

Table G-3. Quality Control Validation Checklist

Requirement	Reported?		Performance Acceptable?		Data Qualified
	Yes	No	Yes	No	
Holding time	X		X		
Detection limit	X		X		
Blanks					
Laboratory method blanks	X		X		
Equipment blanks	X		X		
Trip blanks	X			X	X
Field blanks	X		X		
Laboratory control sample (LCS) %R	X		X		
LCS duplicate %R and RPD	X		X		
Matrix spike (MS) %R	X		X		
MS duplicate %R and RPD	X		X		
Surrogate recoveries	X		X		
Field/laboratory duplicate	X		X		
Results quantitation	X		X		

%R = Percent recovery
RPD = Relative percent difference

Table G-4. RPD Results for All Duplicate Samples

Duplicate Sample ID	Maximum RPD (%)
CLC IS1-230124 (DUP)	0.0
CLC AS1-230221 DUP	17.1
CLC 18-230330(DUP)	3.1
CLC27-230411 DUP	0.0
CLC AS2-230523 DUP	42.4
CLC E51-230622 DUP	16.7
CLC E51-230622 DUP	3.0
CLC IS1-230713 DUP	8.0
CLC 18-230829(Dup)	9.2
CLC AS1-230926 (Dup.)	38.5
CLC 27-230926 (Dup)	0.0
CLC ES1-231024 Dup	9.1
CLC ES1-231024 Dup	7.7
CLC ES1-231024 Dup	8.2
MW-SF10_DUP	2.2
CLC IS1-231130 DUP	0.0
CLC AS2-231228 (DUP)	22.2

RPD = Relative percent difference