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2025 SECOND SEMIANNUAL GROUNDWATER QUALITY MONITORING REPORT

Genesis Solar Energy Project

Riverside County, California

COC S&W-20

January 7, 2026

Prepared By:

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2025 SECOND SEMIANNUAL GROUNDWATER QUALITY MONITORING REPORT

RIVERSIDE COUNTY, CALIFORNIA

PROFESSIONAL STATEMENT

I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

I further certify that this report has been reviewed by the appropriate authority at NextEra Energy Resources and is being submitted with their written consent.



Arlin W. Brewster

Professional Geologist 9207

January 7, 2026



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1.0 INTRODUCTION

Northstar Environmental Remediation (Northstar) has prepared this 2025 Second Semiannual Groundwater Quality Monitoring Report on behalf of Genesis Solar, LLC (Genesis). This report details groundwater quality monitoring performed in the second half of 2025 at the Genesis Solar Energy Project (GSEP). The GSEP lies roughly 25 miles west of the city of Blythe, California in eastern Riverside County on lands managed by the Bureau of Land Management (BLM) (**Figure 1**). The GSEP consists of two independent concentrated solar electric generating facilities with a nominal net electric output of 125 megawatts (MW) each (a total net electrical output of 250 MW).

Northstar conducts groundwater quality monitoring in accordance with Condition of Certification Soil & Water 20 (COC S&W-20) as presented in the California Energy Commission (CEC) Final Decision document dated October 12, 2010 (CEC, 2010). The COC S&W-20 requires compliance with Waste Discharge Requirements (WDR) and Monitoring and Reporting Program (MRP) Board Order No. R7-2013-0005, issued by the California Regional Water Quality Control Board, Colorado River Basin Region (CRWQCB).

1.1 Background

Genesis filed an updated Plan of Development (POD) for the GSEP to the BLM in September 2010 (Genesis Solar, LLC, 2010), and an Application for Certification (AFC) to the California Energy Commission (CEC) in August 2009 (Genesis Solar, LLC, 2009). The CEC issued its Final Decision on the GSEP on October 12, 2010 (CEC, 2010). The BLM issued the Final Environmental Impact Statement (FEIS) for the GSEP for public comment on August 27, 2010. The Final Decision and the FEIS adopted COC S&W-20 to monitor groundwater quality within a 10-mile radius of the GSEP.

GSEP uses dry cooling technology and relies on groundwater as a water source during operation. Three groundwater production wells were installed within the GSEP site boundary between July and October 2011. These production wells are permitted to pump groundwater at an average rate of 202 acre-feet per year (afy) (up to 1,348 afy during construction).

Two evaporation ponds, licensed as Class II Surface Impoundments, located between Solar Fields 1 and 2 accept wastewater generated during operation of the GSEP. Three detection monitoring wells (DM-1, DM-2, and DM-3) were installed, per the Final Decision, along the west, east, and south perimeter of the evaporation ponds in February 2012. Groundwater samples were collected for four quarterly events prior to GSEP operation to establish baseline conditions. Semiannual sampling is conducted to comply with the requirements of COC S&W-6 and the WDR and MRP documents.

1.2 Geographic Setting

The GSEP is located between the communities of Blythe and Desert Center, California (**Figure 1**). Land use is predominantly open space and conservation and wilderness areas occupied by a community of low creosote and bursage vegetation. Chuckwalla and Ironwood State Prisons are located roughly 6 miles to the southeast.

The GSEP lies on a broad, relatively flat topography sloping north to south at elevations between 400 and 370 feet above mean sea level (amsl). The surface is underlain by alluvial deposits derived from the Palen Mountains to the north-northwest, and the McCoy Mountains to the northeast (**Figure 1**).

The deposits immediately adjacent the mountains have formed alluvial fans from multiple identifiable sources. The multiple fan surfaces have coalesced into a single bajada surface that wraps around each of these mountain fronts. Between the bajada surfaces lies a broad valley-axial drainage that extends southward between the mountains and drains to the Ford Dry Lake playa, located about 1 mile south of the GSEP facility (DWR, 1963).

Climatic data collected from Weather Station Blythe Riverside Airport (33.61°N, -114.71°W, at an elevation of about 387 feet amsl) indicate that the average maximum temperature in the airport vicinity is approximately 87.8°F (31.0°C). Average rainfall is reported to be approximately 3.83 inches (97.3 mm). These data were received from National Oceanic and Atmospheric Administration (NOAA) National Centers for Environmental Information 1981-2010 Normals.

1.3 Hydrogeologic Setting

The GSEP lies within the Chuckwalla Valley Groundwater Basin (Chuckwalla Basin) which has a surface area of approximately 940 mi² (2,435 km²) underlying Chuckwalla Valley. It is bounded up gradient by three groundwater basins including the eastern part of the Orocopia Valley and Pinto Valley Groundwater Basins and the southern part of the Cadiz Valley Groundwater Basin; and, down gradient by the Palo Verde Mesa Groundwater Basin (Palo Verde Basin) (U.S. Bureau of Reclamation, 1972). Groundwater occurs at depths of about 80 to 130 feet below ground surface (bgs), and flow direction is southeast to eastward from the Chuckwalla Basin into the Palo Verde Basin (**Figure 2**).

Sources of groundwater recharge to the Chuckwalla Basin include precipitation, inflow from the Orocopia Valley and Pinto Valley Groundwater Basins, and return flows from agricultural sources and treated wastewater effluent. Groundwater is the only available water resource in Chuckwalla Valley, with extraction to meet local demand the primary source of groundwater outflow. Other minor sources of outflow include underflow to the Palo Verde Basin and evapotranspiration in portions of Palen Dry Lake (where shallow groundwater is present).

Calculations of the Chuckwalla Basin groundwater budget before GSEP operations indicate a stable surplus of 2,600 afy (CEC, 2010). Current operational demand, based on calendar year 2024 extraction data, is approximately 103.9 afy.

The region of the Chuckwalla Basin occupied by the GSEP and associated groundwater monitoring wells is underlain by four geological units. The shallowest unit is the unconsolidated Holocene-aged Alluvium, consisting of geologically recent lake, river, and wind deposits (DWR, 1963). Beneath the alluvium is the unconsolidated Pleistocene-aged Pinto Formation consisting of coarse alluvial fan deposits (known as fanglomerate), interspersed with clays and basalt (DWR, 1963). Beneath the Pinto Formation lies the unconsolidated to partially consolidated Pliocene-aged Bouse Formation, consisting of coarse alluvium and fanglomerate deposits (Wilson and Owen-Joyce, 1994). The Bouse Formation is underlain by bedrock consisting of metamorphic rocks and intrusive igneous basalts (DWR, 1963).

Groundwater in the GSEP monitoring region occurs in two aquifers: the shallower Alluvium aquifer, extending to a maximum approximate depth of 250 feet bgs; and, the deeper Bouse Formation aquifer, extending between approximately 250 to 6,500 feet bgs (Wilson and Owen-Joyce, 1994). The Pinto Formation exists only on the eastern fringe of the Chuckwalla Basin and is not encountered by the GSEP monitoring wells. Monitoring data indicate a downward vertical hydraulic gradient of groundwater flow from the Alluvium to the Bouse Formation aquifer.

Based on recent monitoring data, the depth to groundwater in the Bouse Formation ranges from approximately 87.79 feet bgs (299.61 feet amsl) in TW-1, located upgradient of the site, to 134.63 feet bgs (257.47 feet amsl) in Well 23a, located downgradient of the site. Perched water reportedly exists at the Chuckwalla State Prison but has not been identified closer to the facility.

1.4 Monitoring Program Objectives

Northstar performs groundwater quality monitoring in accordance with COC S&W-20 as described in the CEC's Final Decision. Monitoring is completed semiannually during the Second and Fourth Quarter of each year. The primary objectives of groundwater quality monitoring are:

- to identify potential changes in the existing water quality of the water supply resulting from GSEP pumping in compliance with COC S&W-20;
- to establish groundwater quality data within a 10-mile radius of the GSEP; and,
- to provide a mechanism for early warning to help avoid, minimize, or mitigate significant impacts to groundwater quality.

2.0 GROUNDWATER MONITORING PROGRAM

2.1 Monitoring Well Network

The following provides a summary of the monitoring well network for the GSEP required under COC S&W-20. Well locations are illustrated in **Figure 3** and summarized in **Table 1**.

- Offsite wells installed for the project include deep test wells TW-1 and TW-2, shallow observation well OBS-1, and buried-transducer well OBS-2 (currently inoperative).
- Existing and functional offsite wells located within two miles of the GSEP and project right-of-way include CalTrans water supply well 23a and Sempra Energy wells 24-1, 24-2, and 24-3.
- Well 14, a water supply well located along Chuckwalla Valley Road south of I-10, was added to the program at the request of CEC staff.
- Three groundwater extraction wells (PW-0, PW-1, and PW-2) were installed on the GSEP facility to provide water for construction and operations. Currently, PW-0 pumps water intermittently; PW-1 is sealed with a metal plate; and PW-2 pumps regularly. PW-0 and PW-2 are equipped with totalizers.
- Three groundwater monitoring wells (DM-1, DM-2, and DM-3) were installed adjacent to the evaporation ponds and serve to monitor the surrounding groundwater for signs of releases.
- Other water wells within 10 miles of GSEP for which water level data are available from the National Water Information System (NWIS) database maintained by the U.S. Geological Survey (USGS). Data reported for these wells has been inconsistent but is used for general groundwater contouring if data exists within the last six months.

2.2 Groundwater Quality Monitoring Activities

Groundwater quality monitoring includes the following scope of work:

- Field staff collect groundwater level measurements in the monitoring well network;
- Purging and sampling of wells;
- Analysis of the groundwater samples for general minerals, major anions and cations, deuterium and oxygen-18, oil & grease, heat transfer fluid, and general parameters;
- Compilation of water level and water quality data for wells located in the Chuckwalla Basin within 10 miles of the GSEP for which data is available from public sources;
- Evaluation of water quality data, including appropriate statistical and graphical methods;
- Evaluation of stable isotope data for potential water sources; and,
- Evaluation of water level data and preparation of a potentiometric surface map.

3.0 FIELD METHODS

Northstar performed the most recent semiannual groundwater quality monitoring at the GSEP on December 4 and 5, 2025. A description of the field methods used is provided below.

3.1 Manual Water Level Measurements

Northstar measured the depth to groundwater in each well using a Geotech interface probe as quickly as practical to best represent the potentiometric surface across the GSEP at a given time. Field staff recorded depth to water to the nearest hundredth (0.01) foot below a surveyed measuring mark located on the north side of the top of casing (toc) on a groundwater level measurement form (**Appendix A**).

Table 2 provides a summary of current and historical groundwater level measurements and calculated groundwater elevations for wells included in the monitoring well network, and additional wells in the Chuckwalla Basin located within 10 miles of the GSEP. Groundwater elevation contours and flow direction are illustrated in **Figure 4**.

3.2 Electronic Water Level Measurements

Historically, field staff used a Geokon Model 800 data logger to retrieve groundwater level data from an array of four Geokon Model 4500S vibrating wire pressure transducers installed in OBS-2 (**Table 2**). The transducers were placed at depths of 270, 315, 370, and 400 feet below ground surface. Data from the transducers became irretrievable in 2014 due to calibration issues and are currently not monitored.

Solinst Levellogger and Barologger pressure transducers were historically installed in OBS-1, TW-1, TW-2, PW-0, PW-1, and PW-2. The transducers recorded the feet of water above the sensor at 6-hour intervals. The data was used to assess seasonal and diurnal trends in both aquifers. This data was primarily utilized for the groundwater level monitoring program (Condition of Certification Soil & Water 2), which was completed in December 2018.

3.3 Groundwater Sampling

Northstar collected groundwater samples from offsite monitoring wells 23a, TW-1, TW-2, and OBS-1 using disposable bailers. Field data sheets are included in **Appendix A**.

Detection monitoring wells DM-1, DM-2, and DM-3 are each sampled with a dedicated 1.66-inch diameter Geotech® submersible bladder pump with water intake set at the middle of wetted screen (approximately 115 feet btoc). Field staff collect samples from these wells using the low flow purging method in accordance with the most recent EPA guidance document (USEPA, 2017). Field data sheets are included in **Appendix A**.

Groundwater extraction wells PW-0 and PW-2 are equipped with dedicated water production pumps. Pumps may intermittently be turned online or offline depending on the needs of the facility. Northstar coordinates with GSEP staff to turn on these pumps when necessary to collect groundwater samples. Field data sheets are included in **Appendix A**.

Field staff measured groundwater parameters with a water quality field instrument equipped with a flow-through cell (YSI, Horiba, or equivalent). Staff calibrated the meter at the beginning of each day and decontaminated the instrument prior to use and between wells. Measurements of field parameters (pH, electrical conductivity (EC), temperature, turbidity, and oxidation-reduction potential (ORP)) were taken at 5-minute intervals and at the time of sampling as part of the low flow purge method of sampling. An equipment blank was not collected from the instrument because it is disconnected prior to sampling.

Staff purged each detection monitoring well until water quality parameters stabilized over three successive readings (± 0.2 for pH, $\pm 10\%$ for EC, ORP and turbidity) and the discharge volume exceeded the drawdown, tubing, and flow-through cell volume. Northstar staff recorded the sampling methods, volume of water purged, pumping rate, field parameter measurements, and observations of water turbidity and odor on the groundwater sampling field form (**Appendix A**).

Groundwater purged from the GSEP wells was temporarily contained in a sealed container and then disposed of in the evaporation ponds as directed in the MRP (Part II A.1.b.). The measured field parameters documented at the end of purging are included in **Table 3**.

3.4 Equipment Decontamination

Northstar decontaminated reusable/non-dedicated equipment (e.g., water level probe and flow-through cell) before use at each well. Decontamination of reusable equipment consisted of washing with a laboratory-grade non-phosphate detergent (Liquinox, Alconox, or equivalent) and potable water solution followed by a double rinse with demineralized water.

3.5 Collection of Groundwater Samples

Groundwater samples were collected using standard field procedures. The sampler wore new nitrile gloves while collecting groundwater samples. Samples were collected directly from the pump discharge tube, extraction well sampling port, or sampling bailer into laboratory-prepared bottles. Where directed by the laboratory, samples were passed through a new, disposable 0.45 micrometer filter utilizing a peristaltic pump. The purpose of the filter is to remove particulates larger than 0.45 micrometers before being placed in bottles. Prior to sampling, the tubing is disconnected from the flow-through cell and the flow rate reduced as low as feasible to minimize volatilization.

3.6 Laboratory Analytical

Laboratory samples are submitted to SunStar Laboratories, Inc. (SunStar) of Lake Forest, California. SunStar subcontracts the heat transfer fluid analysis to Eurofins Calscience Laboratories, Inc. (Eurofins) of Tustin, California. They also subcontract the oxygen-18 and deuterium stable isotope analyses to Isotech Laboratories, Inc. of Champaign, Illinois. All laboratories are state and federally certified and analyze the samples by the following methods, as detailed in the Final Decision, WDR, and MRP documents:

- Chloride, Sulfate, and Nitrate by EPA Method 300.0;
- Mercury by Standard Method 7470A;
- Total Dissolved Solids by Standard Method 2540C;
- pH by Standard Method 4500H;
- Specific Conductance by Standard Method 2510B;
- Heat Transfer Fluid (HTF) by EPA Method 8015B;
- Heavy Metals by EPA Method 200.7 and 200.8;
- Oil & Grease by EPA Method 1664A; and,
- Oxygen-18 and Deuterium by Isotope Geochemistry.

3.7 Sample Handling

Field staff labeled sample containers before sampling and placed them into an ice cooled chest immediately after sample collection. Glass bottles were sealed in protective packing sleeves for transport. Exposure to dust, direct sunlight, high temperature, adverse weather conditions and possible cross-contamination were avoided.

Standard chain of custody (COC) protocols were followed for the groundwater samples. Northstar delivered the samples under proper chain of custody protocol to SunStar which signed as receiver of the samples. SunStar sent the subcontract samples under proper COC protocols.

3.8 Quality Assurance / Quality Control

The laboratory conducted standard Quality Assurance/Quality Control (QA/QC) to assure analytical accuracy and precision. This included preparation and analysis of method blanks, surrogate spikes, matrix spike/matrix spike duplicate (MS/MSD) pairs and laboratory control samples (LCS).

Northstar collects a duplicate sample once per sampling event from a single well and submits it to the laboratory without identifiers including date and time. During this event, a duplicate sample was collected from well PW-2. Analytical results for the duplicate sample are included in **Table 4** immediately below the regular sample for this well.

4.0 RESULTS OF LABORATORY ANALYSES

All laboratory analytical reports for this reporting period are included in **Appendix C**. Results are tabulated for the monitoring network in **Table 4** and for wells outside the monitoring network (but still within the Chuckwalla Groundwater Basin) in **Table 5**.

4.1 General Inorganic Chemical Analysis

This section presents results of inorganic chemical analyses (major cations and anions, mineral constituents, and general parameters) performed on groundwater samples collected in the monitoring well network. Time series plots for each inorganic constituent are included as Charts 1 to 24 in **Appendix B**. Remarks about each chart are as follows:

- Chart 1: **Chloride** – Recent concentrations are within the normal range except for DM-2 and DM-3, which were the lowest ever recorded.
- Chart 2: **Sulfate as SO₄** – Recent concentrations are within the normal range except for DM-2 and DM-3, which were the lowest ever recorded.
- Chart 3: **Nitrate as NO₃** – Appears in low concentrations mostly in shallow monitoring wells, including upgradient well OBS-1. Recent concentrations are within the normal range.
- Chart 4: **Calcium** – Recent concentrations are generally within the normal range. In general, calcium concentrations decreased in all wells during this period.
- Chart 5: **Copper** – Historically occurs in only a few wells at low concentrations, and was not detected during this event. There are no apparent trends.
- Chart 6: **Sodium** – Recent concentrations are within the normal range. In general, sodium concentrations decreased in all wells during this period.
- Chart 7: **Potassium** – Was not detected in any wells during this event. The data has been inconsistent since the fourth quarter of 2017 and suggests irregular but significant influxes of potassium from an upgradient source.
- Chart 8: **Iron** – Was not detected during this monitoring event.
- Chart 9: **Magnesium** – In recent sampling events, has only been detected in shallow wells (DM-1, DM-2, DM-3, and OBS-1) and upgradient deep well TW-1. Recent concentrations are within the normal range.
- Chart 10: **Antimony** – There have been no detections to date.
- Chart 11: **Arsenic** – Detected only in production wells PW-0 and PW-2 during this period. Arsenic is normally detected in these wells and appears to be naturally occurring.
- Chart 12: **Barium** – Recent concentrations are within the normal range.
- Chart 13: **Cadmium** – There have been no detections to date.
- Chart 14: **Chromium (Total)** – Not detected during this event.
- Chart 15: **Cobalt** – There have been no detections to date.
- Chart 16: **Lead** – There have only been two detections to date – one in TW-1 (fourth quarter 2017) and in 23a (second quarter 2016).
- Chart 17: **Manganese** – Occurs in very low concentrations in most wells but punctuated by two larger detections in 23a (fourth quarter 2010) and TW-1 (second quarter 2016). Manganese has not been analyzed since the 2nd quarter of 2018 because it is no longer part of the standard set of analytes included in the analytical method.
- Chart 18: **Nickel** – Not detected during this event.

- Chart 19: **Selenium** – Only detected in shallow monitoring wells OBS-1, DM-2, DM-3, and deep upgradient well TW-1 during this period, and are within the normal range.
- Chart 20: **Zinc** – Zinc was detected in multiple wells within the normal range.
- Chart 21: **Mercury** – Has occurred only once at a very low concentration in well DM-1 (second quarter 2015). Mercury has never been detected in the evaporation ponds.
- Chart 22: **Total Dissolved Solids** – Concentrations are within the normal range for all wells.
- Chart 23: **Specific Conductance** – Values are within the normal range for all wells.
- Chart 24: **pH** – Values are near baseline conditions for this reporting period, except for upgradient deep well TW-1, which displayed a pH of 11.0 for the third time since monitoring began. It is currently unknown why this well experiences occasional pH spikes. Overall, pH values have been very stable for all wells except for TW-1 and TW-2.

4.2 Organic Chemical Analysis

This section presents results of organic chemical analyses (oil & grease and heat transfer fluid) performed on groundwater samples collected in the monitoring well network. Time series plots for each organic constituent are included as Charts 25 and 26 in **Appendix B**. Remarks about each chart are as follows:

- Chart 25: **Oil & Grease** – Appears only sporadically in wells TW-2, OBS-1, PW-0, and PW-2. Not detected in any monitoring wells during this reporting period. There are no apparent trends.
- Chart 26: **Heat Transfer Fluid** – There have been no detections to date.

4.3 Stable Isotope Analysis

Oxygen-18 and deuterium are naturally occurring stable isotopes of oxygen and hydrogen that occur at varying concentrations in all water. Concentrations of these heavier isotopes vary in precipitation depending on latitude, elevation and climate (Froehlich and Yurtsever, 1995; Izbicki, Martin and Michel, 1995; Kendall and Coplen, 2001). Precipitation falling at higher elevations, higher latitudes, or cooler climates tend to be depleted in these heavier isotopes. The isotope depletion relative to Vienna Standard Mean Ocean Water (VSMOW) is expressed in delta notation as parts per thousand (‰). The ratio of oxygen-18 to deuterium has been well established around the world as falling on a straight line called the Global Meteoric Water Line (GMWL). This relationship between oxygen-18 and deuterium is useful for determining the source and history of a water sample. Departures from the GMWL can occur due to evaporation (which leaves the remaining water enriched in heavier isotopes), due to mixing with waters from other origins, or due to chemical reactions with surrounding materials or the atmosphere (Domenico and Schwartz, 1998).

Table 4 provides the oxygen-18 and deuterium content of the water samples collected to date. A time series plot of the stable isotopes is presented in Chart 27 and 28, and a graph of the oxygen-18 and deuterium relative to the GMWL is presented as Chart 29 in **Appendix B**. The data indicates several environmental conditions, as follows:

- Groundwater in the shallow Alluvium aquifer is less depleted than the deeper Bouse Formation aquifer, indicating that it is closer to the point of origin of groundwater recharge (ie, it is recharged by precipitation or runoff that occurs locally).
- Both aquifers are more depleted downgradient, indicating they are further from the source of precipitation or groundwater recharge.

- Upgradient groundwater in both aquifers display a greater depletion compared to the GMWL, indicating that the groundwater is becoming more enriched in oxygen-18 and deuterium in the downgradient direction, which may be a function of evapotranspiration.

All stable isotope data from the second half of 2025 shows results that are consistent with historical data, except for a relative enrichment of deuterium isotopes in upgradient shallow well OBS-1, detection monitoring wells DM-1, DM-2, and DM-3, onsite production well PW-0, and deep downgradient well 23a, without a corresponding enrichment of oxygen-18. This is unusual and may be an artifact of changes at the analytical laboratory, as they stored the samples for nearly 30 instead of 5 days for this sample set.

4.4 Statistical Analysis

In addition to the graphical representation of concentration trends, the results were analyzed using the Mann-Kendall (M-K), non-parametric statistical test to evaluate trends as directed in COC S&W-20, Part E. The M-K test compares the most recent round of groundwater data with the results of historical rounds. The statistical analysis tests whether the trend in the data set is increasing, decreasing, or is stable/has no determined trend. The M-K test typically requires a minimum data set of between 4 to 10 values, and M-K tests performed on data sets within this range may not necessarily yield reliable results. The M-K test results are also subject to seasonal variations when there is a limited data set.

For this reporting period, the M-K statistical analysis was applied to wells 23a, TW-1, TW-2, OBS-1, DM-1, DM-2, DM-3, PW-0, PW-1, and PW-2. A summary of the results is included in **Table 6**. The analysis was run (where possible) for all analytes except pH, oil & grease, heat transfer fluid, and stable isotopes (deuterium and oxygen-18) and trend direction is reported at the 95% confidence interval. The M-K analysis was not performed on analytes that were not detected during the reporting period. Additionally, analytes with insufficient data have not been statistically analyzed, but the M-K statistical analysis will be applied to these constituents once enough data points are available. Below is a summary of the M-K statistical analysis for this reporting period:

- TW-1: A significant increasing trend was identified for sulfate and sodium.
- TW-2: A significant increasing trend was identified for chloride, sodium, and conductivity.
- OBS-1: A significant increasing trend was not identified for any constituents.
- 23a: A significant increasing trend was identified for sodium.
- DM-1: A significant increasing trend was identified for sodium and magnesium.
- DM-2: A significant increasing trend was identified for chloride, sodium, magnesium, and conductivity.
- DM-3: A significant increasing trend was identified for sodium.
- PW-0: A significant increasing trend was identified for calcium, sodium, total dissolved solids, and conductivity.

- PW-1: There is not enough data available for this well to perform the Mann-Kendall analysis for any analytes.
- PW-2: A significant increasing trend was identified for sodium.

4.5 Quality Assurance/Quality Control

As documented in the attached laboratory reports (**Appendix C**), groundwater samples collected from network wells during the reporting period were received by the laboratory in good condition, within the temperature limits required, and analyzed within the required holding times using the specified methods (with the exception of pH, which has a 15-minute hold time, and nitrate as NO₃, which has a 48-hour hold time).

No analytes were detected in the method blank sample.

Matrix spike/matrix spike duplicate (MS/MSD) and laboratory control sample (LCS) recoveries for each method and analytical batch were within the laboratory's established control limits for the final report, with the following exceptions:

- The spike recovery was outside of quality control acceptance limits for the MS and/or MSD due to analytical concentration at 4 times or greater the spike concentration. The quality control batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits. This may have affected the results for **calcium, magnesium, potassium, and sodium**.
- The spike recovery and/or relative percent difference (RPD) was outside acceptable limits for the MS and/or MSD, but the batch was accepted based on acceptable LCS recovery data. This may have affected the results for **iron, chloride, and sulfate as SO₄**.
- Due to non-homogeneity of the quality control sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the quality control batch were accepted based on LCS/LCSD percent recoveries and RPD values. This may have affected the results for **potassium**.

Duplicate sample control: For this event, a duplicate sample (named DUP) was collected from sample point PW-2. The sample was submitted to the laboratory without date or time qualifiers. For this event, all sample results for PW-2 and DUP agreed within 10% except sodium, which agreed within 11%.

5.0 ANNUAL SUMMARY

Groundwater analytical data for calendar year 2025 are generally consistent with historical analytical data. Well PW-2 was the only water production well consistently utilized during the calendar year, as PW-0 remains on standby and was turned on only intermittently for testing, maintenance, and sampling, and PW-1 is sealed indefinitely. The Mann-Kendall test for trends typically requires a minimum data set of between 4 to 10 values collected at regular intervals throughout the year to encompass seasonal changes. Currently, all wells but PW-1 have a data set large enough to perform the M-K test.

The following is a list of the analytes that have displayed increasing trends during the 2025 calendar year:

- Barium displayed an increasing trend in TW-2 and OBS-1.
- Calcium displayed an increasing trend in PW-0.
- Chloride displayed an increasing trend in TW-2 and DM-2.
- Magnesium displayed an increasing trend in DM-1 and DM-2.
- Sodium displayed an increasing trend in TW-1, TW-2, 23a, DM-1, DM-2, DM-3, PW-0, and PW-2.
- Specific Conductivity displayed an increasing trend in TW-2, DM-2, and PW-0.
- Sulfate as SO₄ displayed an increasing trend in TW-1.
- Total Dissolved Solids displayed an increasing trend in PW-0.

The Mann-Kendall statistical analysis was performed on all possible constituents during the 2025 calendar year (except for pH, oil & grease, heat transfer fluid, and the stable isotopes deuterium and oxygen-18). As noted previously, constituents that were not detected during the reporting period or did not possess a sufficient number of data points were excluded from the analysis.

The stable isotope analysis returned results within the normal range through the entire 2025 calendar year, except for anomalous deuterium results that are attributed to a change in process at the analytical laboratory.

6.0 CONCLUSIONS

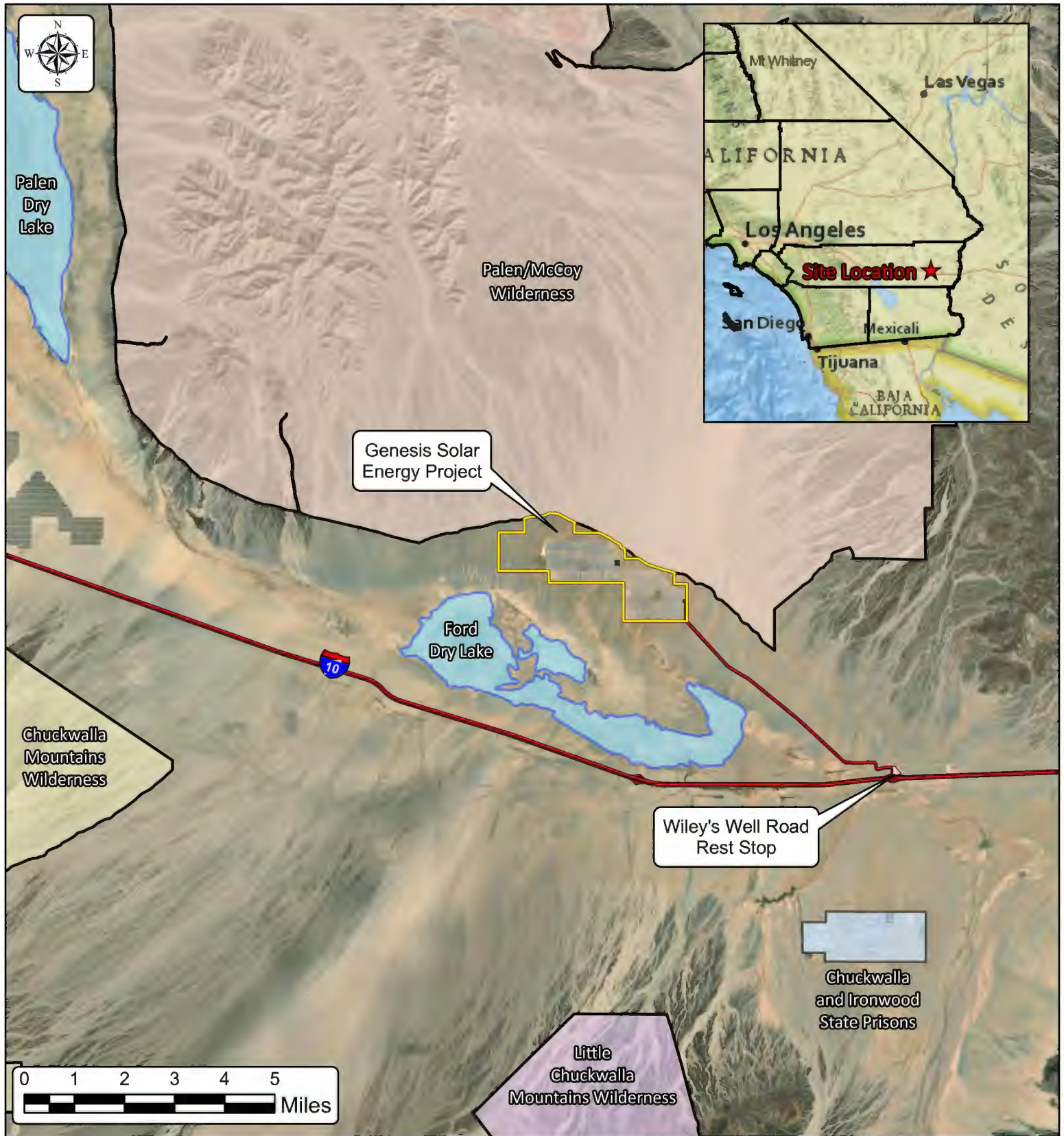
Based on the available data, it does not appear the GSEP has negatively impacted the groundwater quality in the Chuckwalla Basin or within a 10-mile radius of the GSEP facility to date. In general, all available groundwater quality data is stable and consistent with historical data.

Consistent with historical observations, concentrations of chloride, sulfate, calcium, sodium, magnesium, and selenium are generally higher in shallow, upgradient well OBS-1 and deep, upgradient well TW-1, and deplete in a downgradient direction. Potassium concentrations have been somewhat erratic but changes correlate between the shallow and deeper aquifer. Arsenic and barium occur at the highest concentrations in the deeper production wells, and are naturally occurring.

7.0 REFERENCES

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FIGURES



Legend

- GSEP Property Boundary
- Chuckwalla and Ironwood State Prisons
- Chuckwalla Mountains Wilderness Area
- Little Chuckwalla Mountains Wilderness Area
- Palen/McCoy Wilderness Area
- Dry Lakes
- Roads

Genesis Solar Energy Project
11995 Wiley's Well Road, Blythe, CA 92225

FIGURE 1
Site Vicinity Map

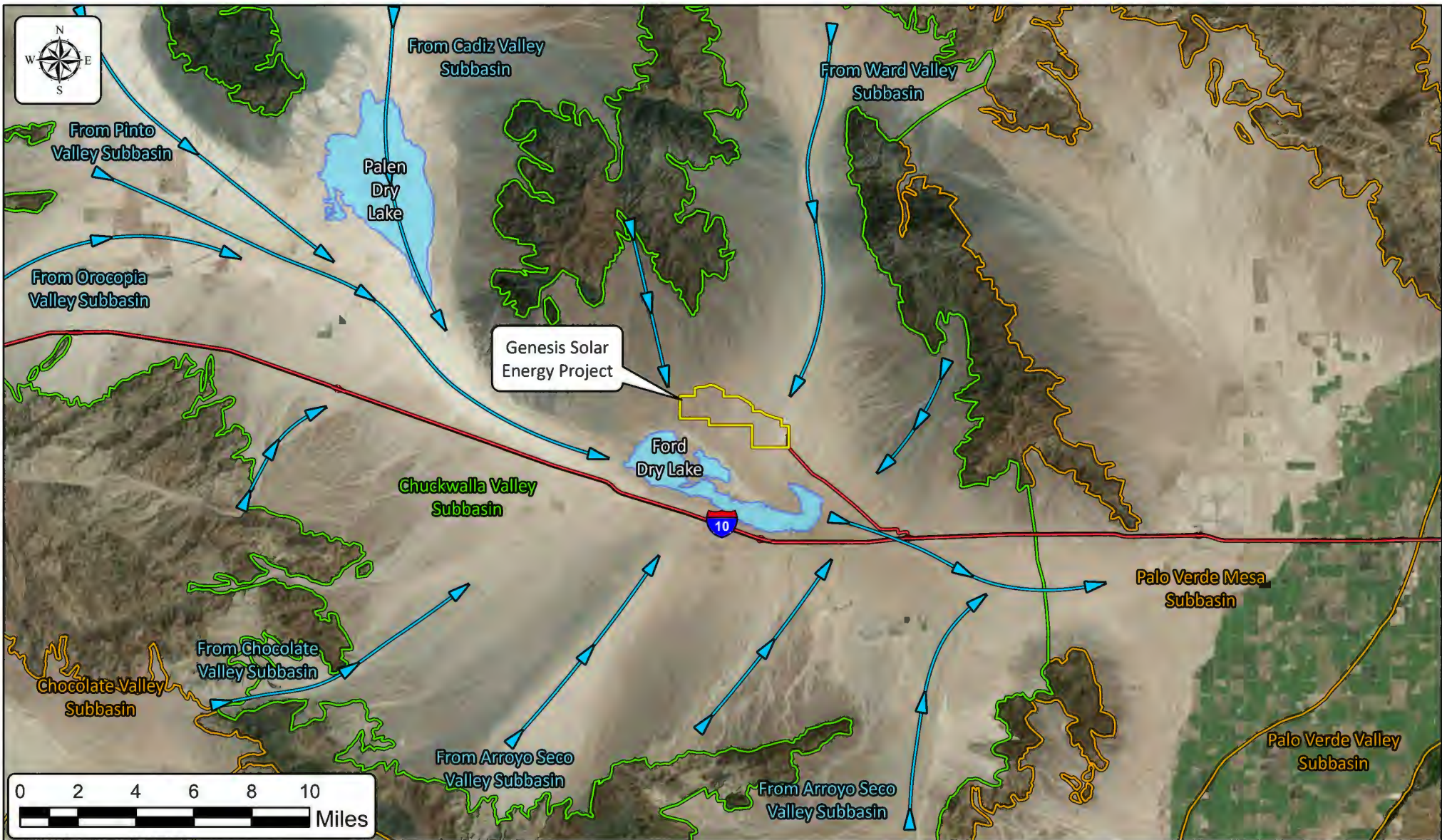


Project No. 196-004

Draw Date: 9 Jul 2024

Drawn By: AWB

Checked By: AWB



Legend

- GSEP Property Boundary
- Chuckwalla Valley Groundwater Subbasin
- Adjacent Groundwater Subbasins
- Dry Lakes
- Water Flow Direction

Genesis Solar Energy Project
11995 Wiley's Well Road, Blythe, CA 92225

FIGURE 2
Hydrogeologic Setting

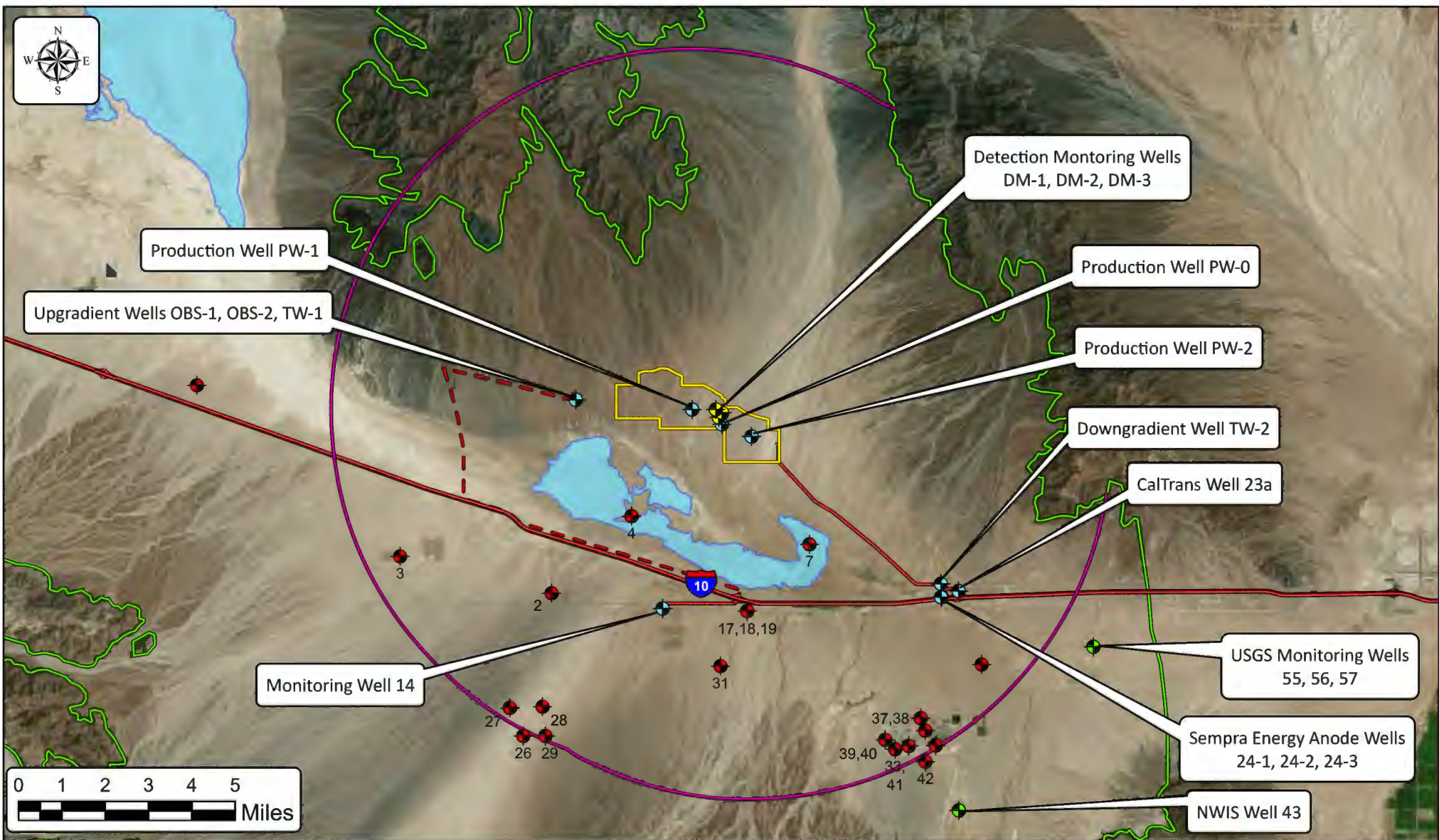


Project No. 196-004

Draw Date: 9 Jul 2024

Drawn By: AWB

Checked By: AWB



Legend

- GSEP Property Boundary
- Chuckwalla Valley Groundwater Subbasin
- 10 Mile Boundary
- Dry Lakes
- Paved Access Road
- Unpaved Well Access Road
- Active Monitoring Wells
- Detection Monitoring Wells
- Active NWIS Wells
- Inactive NWIS Wells

Genesis Solar Energy Project
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FIGURE 3
Monitoring Area Showing all
Groundwater Monitoring Wells

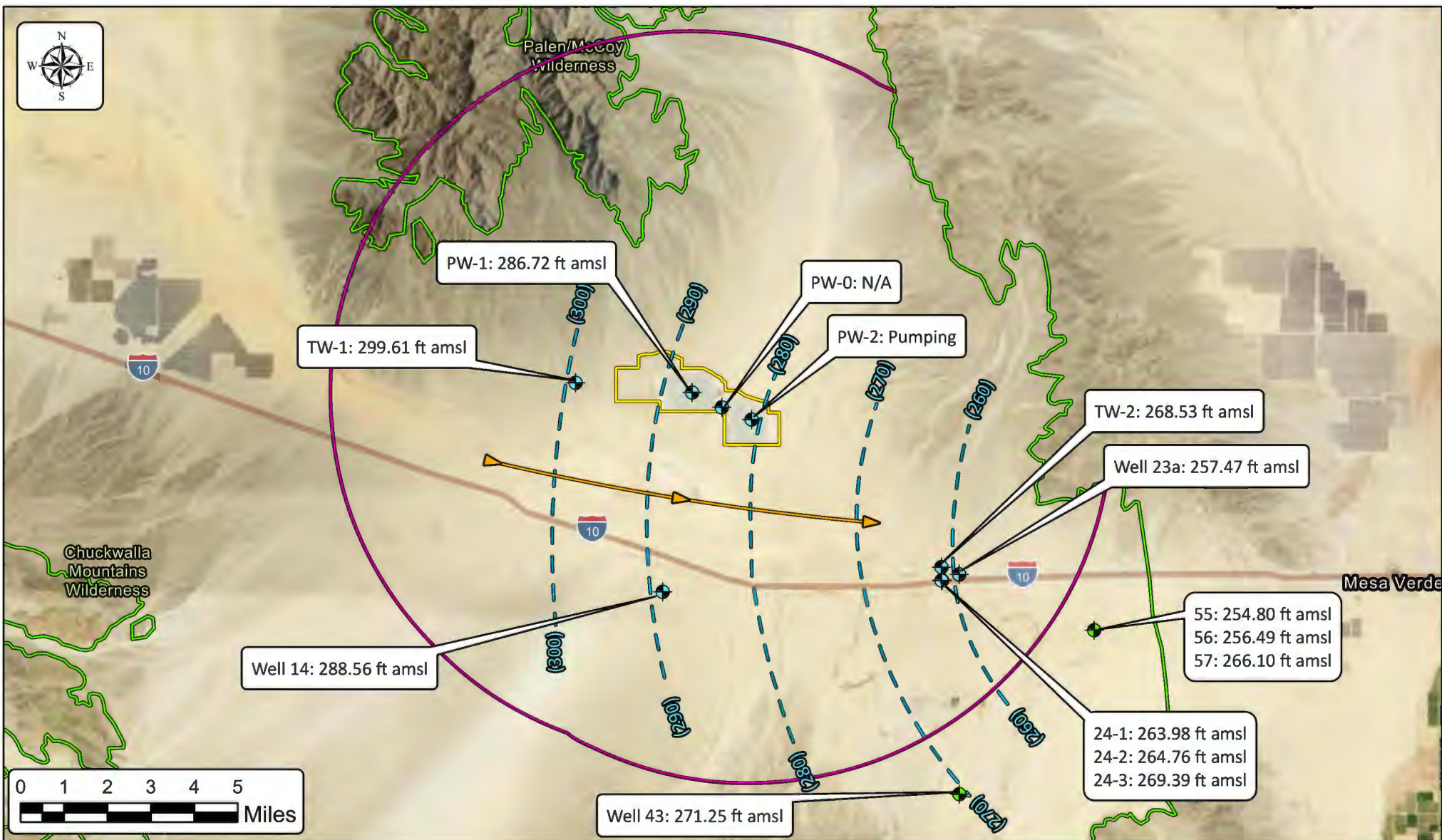


Project No. 196-004

Draw Date: 9 Jul 2024

Drawn By: AWB

Checked By: AWB



Legend

- GSEP Property Boundary
- Chuckwalla Valley Groundwater Subbasin
- 10 Mile Boundary
- Groundwater Elevation Contour
- Groundwater Gradient Direction
- Active Monitoring Wells
- Active NWIS Wells

Genesis Solar Energy Project
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FIGURE 4
Bouse Formation Groundwater Elevation
Contour Map - December 2025



Project No. 196-004

Draw Date: 7 Jan 2026

Drawn By: AWB

Checked By: AWB

TABLES

TABLE 1
INVENTORY OF WELLS IN THE GROUNDWATER MONITORING AREA
 Genesis Solar Energy Project, Riverside County, California

Well ID	State Well Number	Other Name	Owner	Installation Date	Use/Status	Well Casing Diameter (inches)	Approximate Ground Surface Elevation (feet amsl)	Top Of Casing Elevation (feet amsl)	Well Depth (feet bgs)	Screened Interval (feet bgs)	Geologic Unit
WELLS INCLUDED IN THE GROUNDWATER MONITORING PROGRAM											
OBS-1 ¹	--	Shallow Observation Well 1	Genesis Solar, LLC	5/9/2009	Monitoring / Active	5	385.857	388.3	160	100-150	Alluvium
OBS-2-270 ^{1,2}	--	Nested Observation Well 2	Genesis Solar, LLC	7/2/2009	Buried Transducer / Inactive	--	385.617	388.14	270	265-275	Bouse Formation
OBS-2-315 ^{1,2}	--	Nested Observation Well 2	Genesis Solar, LLC	7/2/2009	Buried Transducer / Inactive	--	385.617	388.14	315	304-327	Bouse Formation
OBS-2-370 ^{1,2}	--	Nested Observation Well 2	Genesis Solar, LLC	7/2/2009	Buried Transducer / Inactive	--	385.617	388.14	370	359-374	Bouse Formation
OBS-2-400 ^{1,2}	--	Nested Observation Well 2	Genesis Solar, LLC	7/2/2009	Buried Transducer / Inactive	--	385.617	388.14	400	387-418	Bouse Formation
TW-1 ¹	--	Test Well 1	Genesis Solar, LLC	5/22/2009	Monitoring / Active	5	385.91	387.4	565	340-564	Bouse Formation
TW-2 ¹	--	Test Well 2	Genesis Solar, LLC	12/9/2009	Monitoring and Dust Control / Active	5	390.003	393.47	1,841	793-873, 1042-1123, 1439-1601, 1739-1820	Bouse Formation / Fanglomerate
PW-0	--	Production Well 0	Genesis Solar, LLC	7/9/2011	Production Well	10	--	--	1,251	882-1002, 1226-1251	Bouse Formation / Fanglomerate
PW-1	--	Production Well 1	Genesis Solar, LLC	8/14/2011	Production Well	10	--	--	1,360	930-950, 990-1000, 1040-1100, 1120-1140, 1160-1200, 1260-1360	Bouse Formation / Fanglomerate
PW-2	--	Production Well 2	Genesis Solar, LLC	9/15/2011	Production Well	10	--	--	1,125	770-930, 980-1120	Bouse Formation
DM-1	--	Detection Monitoring Well 1	Genesis Solar, LLC	2/22/2012	Monitoring / Active	4	--	391.49	120	100-120	Alluvium
DM-2	--	Detection Monitoring Well 2	Genesis Solar, LLC	2/21/2012	Monitoring / Active	4	--	391.32	120	100-120	Alluvium
DM-3	--	Detection Monitoring Well 3	Genesis Solar, LLC	2/20/2012	Monitoring / Active	4	--	388.34	120	100-120	Alluvium
14 ^{1,3}	6S/19E-32	--	Lorne Froats (AZCA Drilling)	5/1/1991	Domestic/ Irrigation/ Dust Control	12 to 10	393.548	388.14	982 (obstructed at 450)	890-940	Fanglomerate
23a ^{1,4}	6S/20E-33C1	CalTrans Well @ WWRS	CalTrans	Unknown	Water Supply / Inactive	8	397.28	392.1	1,825	1800-1825	Fanglomerate
24-1 ^{1,5}	6S/20E-33	SCG Anode Well	So Cal Gas	4/29/1989	Anode / Inactive	2	389.3	389.4	435	235-435	Alluvium/Bouse Formation
24-2 ⁵	6S/20E-33	SCG Anode Well	So Cal Gas	Unknown	Anode / Inactive	1	389.09	388.86	Obstructed at 373 feet	235-435	Alluvium/Bouse Formation
24-3 ⁵	6S/20E-33	SCG Anode Well	So Cal Gas	Unknown	Anode / Inactive	1	388.2	392.04	Unknown	--	Alluvium/Bouse Formation
ADDITIONAL WELLS IN THE CHUCKWALLA VALLEY GROUNDWATER BASIN WITHIN 10 MILES OF THE SITE FOR WHICH MONITORING DATA IS AVAILABLE											
2	6S/18E-36E1	--	CA Jojoba Research and Development	12/18/1981	Irrigation	10 to 6	424	--	940	250-290, 770-810	Alluvium/Bouse Formation
3	6S/18E-29	Siddall Well	Agra Energy Corp.	2/26/1982	Irrigation	20 to 8	498	--	957	560-940	Bouse Formation
4	6S/19E-1911	--	--	--	Unused	12	354	--	--	--	--
9	6S/19E-28R1	--	--	--	Unused	--	354	--	--	--	--
15	6S/19E-32K1	--	--	--	--	12.5	390.2	--	Obstructed at 526 feet	--	Bouse Formation
16	6S/19E-32K2	--	--	--	--	10.5	390	--	Obstructed at 297 feet	--	Bouse Formation
22	6S/20E-33L1	--	--	--	Unknown / Destroyed	--	--	--	--	--	Bouse Formation
23	6S/20E-33C1	--	--	--	Unknown / Destroyed	10	392	--	400	--	--
26	7S/18E-14F1	--	U.S. AgriResearch and Development	12/26/1982	Irrigation	16 to 10	562.58	--	1,000 (obstructed at 952 feet)	410-630, 750-770, 810-870	Alluvium/Bouse Formation
27	7S/18E-11N1	--	--	--	Unused	16	555	--	486.4	--	Bouse Formation
28	7S/18E-11R1	--	--	--	Unused	16	520	--	779.4	--	Bouse Formation
29	7S/18E-14H1	--	U.S. AgriResearch and Development	1/16/1983	Irrigation	10	545.91	--	985 (obstructed at 950 feet)	420-460, 500-520, 540-580, 620-820, 840-990	Bouse Formation
31	7S/19E-4R1	Teaque Well	--	--	Unused	12	423.89	--	242.2	--	Alluvium
32	7S/20E-4R1	Vada McBride	--	--	Unused	16	418	--	315.7	--	Bouse Formation
33	7S/20E-16M1	--	CA Department of Corrections	--	--	30 to 16	456.02	--	1,200	690-1190	Bouse Formation/ Fanglomerate
34	7S/20E-17L1	WP-4	CA Department of Corrections	9/8/1992	Public Water Supply	24	458.3	--	1,200	690-1190	Bouse Formation/ Fanglomerate
35	7S/20E-17K1	--	CA Department of Corrections	12/20/1989	--	30 to 16	456.48	--	1,200	690-1190	Bouse Formation/ Fanglomerate
36 ⁶	7S/20E-17G1	--	CA Department of Corrections	12/30/1987	Industrial	30 to 16 to 10	443.5	--	1,200	690-1190	Bouse Formation/ Fanglomerate
37 ⁶	7S/20E-17C1	78, North Well	CA Department of Corrections	7/28/1981	Irrigation	14-10	433.09	--	1,050	750-1,050	Bouse Formation/ Fanglomerate
39	7S/20E-18H1	--	CA Department of Corrections	--	--	--	442.9	--	1,139	--	Bouse Formation/ Fanglomerate
40	7S/20E-18K1	WP-6	CA Department of Corrections	11/4/1992	Public Water Supply	15 to 10	449.4	--	1,200	690-1,200	Bouse Formation/ Fanglomerate
41	7S/20E-18R1	WP-5	CA Department of Corrections	10/24/1992	Public Water Supply	13.5 to 10	453.6	--	1,160	--	Fanglomerate
42	7S/20E-20B1	79 / Observation Well 3	--	6/4/1905	Irrigation	16 to 12	470	--	1,100	738-1,100	Bouse Formation/ Fanglomerate
43	7S/20E-28C1	7S/20E-28F1/80	Jojoba Inc.	3/15/1982	Irrigation	10 to 8	505.6	--	830	510-600, 680-780	Bouse Formation
44	7S/20E-28C2	--	Jojoba Southwest	11/30/1989	Irrigation	16 to 12	505.3	--	1,100	700-1,100	Bouse Formation/ Fanglomerate
47	8S/20E-10N2	60	--	1984	--	4	621	--	872	500-580, 620-640, 710-850	Bouse Formation
50	6S/17E-3M1	--	--	--	--	--	566	--	818	--	Bouse Formation
54	8S/20E-28N1	--	--	--	--	--	654.5	--	500	--	Bouse Formation
55	7S/20E-1M1	CWV1#1	USGS	1/23/2012	Exploratory	2	415.4	--	993	973-993	Bouse Formation
56	7S/20E-1M2	CWV1#2	USGS	1/23/2012	Exploratory	2	415.4	--	505	485-505	Pinto Formation

TABLE 1
INVENTORY OF WELLS IN THE GROUNDWATER MONITORING AREA
 Genesis Solar Energy Project, Riverside County, California

Well ID	State Well Number	Other Name	Owner	Installation Date	Use/Status	Well Casing Diameter (inches)	Approximate Ground Surface Elevation (feet amsl)	Top Of Casing Elevation (feet amsl)	Well Depth (feet bgs)	Screened Interval (feet bgs)	Geologic Unit
57	7S/20E-1M3	CWV1#3	USGS	1/23/2012	Exploratory	2	415.4	--	230	210-230	Alluvium
ADDITIONAL WELLS IN THE CHUCKWALLA VALLEY GROUNDWATER BASIN WITHIN 10 MILES OF THE SITE FOR WHICH MONITORING DATA ARE NOT AVAILABLE											
1	5S/20E-16M1	McCoy Spring and DWR-17	--	--	Unused	--	889	--	--	--	--
5	6S/19E-25P1	--	--	--	Unknown / Destroyed	10	360	--	85.7	--	Alluvium
6	6S/19E-25R1	--	--	--	Unknown / Destroyed	10	360	--	61.9	--	Alluvium
7	6S/19E-25	Boreholes 1A, 1B, 1C	USGS	1978	Exploratory Borehole / Abandoned	--	358	--	--	--	--
8	6S/19E-26Z1	--	--	--	Unknown / Destroyed	--	--	--	--	--	--
10	6S/19E-29E1	--	--	--	Destroyed/ Collapsed	6	377	--	Obstructed at 19.7	--	--
11	6S/19E-30H1	--	--	--	Destroyed	6	370	--	28.7	--	Alluvium
12	6S/19E-31Z1	--	--	--	Destroyed	--	--	--	--	--	--
13	6S/19E-32	--	Jacado Agri Corp.	6/27/1982	Destroyed	22 to 18 to 12	392	--	732	307-327, 365-732	Bouse Formation
17	6S/19E-33A1	Hopkins Well and DWR-33X1	--	1911	Destroyed	12 to 8	361	--	1,200 (obstructed at 267 feet)	1,175-1,200	Fanglomerate
18	6S/19E-34	--	So Cal Gas	4/29/1989	Anode	1	368	--	400	200-400	Alluvium/Bouse Formation
19	6S/19E-34	--	So Cal Gas	7/15/1981	Other	--	369	--	274	0-274	Alluvium/Bouse Formation
20	6S/19E-36A1	--	--	--	Destroyed	10	365	--	64.8	--	Alluvium
21	6S/20E-30Z1	Ford Well	--	--	Stock / Destroyed	10	--	--	--	--	--
25	6S/20E-33	--	So Cal Gas	7/20/1981	Monitoring / Presumed Destroyed	1	397	--	278	0-278	Alluvium/Bouse Formation
30	7S/18E-14H1	--	--	--	Destroyed	6	546	--	123.9	--	Alluvium
38	7/20E-17C2	Observation Well 1	CA Department of Corrections	6/20/1986	Monitoring / Presumed Destroyed	1 1/4	433	--	1,040	795-815, 995-1,015	Bouse Formation/ Fanglomerate
45	7S/20E-28	--	Chuckwalla Jojoba inc Great American Securities	6/6/1989	Test Hole/Abandoned	--	505	--	825	--	--
46	7S/20E-27L1	--	--	--	Destroyed	8	517	--	53.6	--	Alluvium

Notes:

-- = information not available or unknown

amsl = above mean sea level

bgs = below ground surface

1. Wells were surveyed on February 8 & 9, 2011. Ground surface elevation survey measurement taken at top of concrete pad.

2. Nested pressure transducer buried in place.

3. Well is obstructed at 450 feet and therefore not suitable for groundwater quality monitoring. Used for groundwater level monitoring only.

4. Well completion and screened interval determined by video log performed on 11/09/2010

5. Anode well completed with Coke Breeze and not considered to be suitable for water quality sampling and used for groundwater level monitoring program only.

6. No access port for groundwater level monitoring; used for groundwater quality monitoring only.

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
WELLS INCLUDED IN THE GROUNDWATER LEVEL MONITORING PROGRAM							
TW-1	5/23/2009	WorleyParsons	387.40	89.75	297.65	N/A	Monitoring
TW-1	11/10/2010	WorleyParsons	387.40	86.65	300.75	0.00	Baseline
TW-1	2/8/2011	WorleyParsons	387.40	86.67	300.73	-0.02	Monitoring
TW-1	6/8/2011	WorleyParsons	387.40	86.58	300.82	0.07	Monitoring
TW-1	9/25/2011	WorleyParsons	387.40	86.48	300.92	0.17	Monitoring
TW-1	12/13/2011	WorleyParsons	387.40	86.25	301.15	0.40	Monitoring
TW-1	2/21/2012	WorleyParsons	387.40	86.58	300.82	0.07	Monitoring
TW-1	5/23/2012	WorleyParsons	387.40	86.43	300.97	0.22	Monitoring
TW-1	7/26/2012	WorleyParsons	387.40	86.47	300.93	0.18	Monitoring
TW-1	10/23/2012	WorleyParsons	387.40	86.43	300.97	0.22	Monitoring
TW-1	3/29/2013	WorleyParsons	387.40	86.46	300.94	0.19	Monitoring
TW-1	6/20/2013	WorleyParsons	387.40	86.43	300.97	0.22	Monitoring
TW-1	8/13/2013	WorleyParsons	387.40	86.43	300.97	0.22	Monitoring
TW-1	11/14/2013	WorleyParsons	387.40	86.53	300.87	0.12	Monitoring
TW-1	2/26/2014	WorleyParsons	387.40	86.49	300.91	0.16	Monitoring
TW-1	5/20/2014	Northstar	387.40	86.47	300.93	0.18	Monitoring
TW-1	8/8/2014	Northstar	387.40	86.46	300.94	0.19	Monitoring
TW-1	12/4/2014	Northstar	387.40	86.50	300.90	0.15	Monitoring
TW-1	3/26/2015	Northstar	387.40	86.56	300.84	0.09	Monitoring
TW-1	6/11/2015	Northstar	387.40	86.50	300.90	0.15	Monitoring
TW-1	12/10/2015	Northstar	387.40	86.56	300.84	0.09	Monitoring
TW-1	6/2/2016	Northstar	387.40	86.58	300.82	0.07	Monitoring
TW-1	11/30/2016	Northstar	387.40	86.70	300.70	-0.05	Monitoring
TW-1	6/1/2017	Northstar	387.40	86.60	300.80	0.05	Monitoring
TW-1	12/5/2017	Northstar	387.40	86.70	300.70	-0.05	Monitoring
TW-1	6/1/2018	Northstar	387.40	86.61	300.79	0.04	Monitoring
TW-1	12/4/2018	Northstar	387.40	86.75	300.65	-0.10	Monitoring
TW-1	6/13/2019	Northstar	387.40	86.70	300.70	-0.05	Monitoring
TW-1	12/5/2019	Northstar	387.40	86.70	300.70	-0.05	Monitoring
TW-1	6/5/2020	Northstar	387.40	86.78	300.62	-0.13	Monitoring
TW-1	12/3/2020	Northstar	387.40	87.05	300.35	-0.40	Monitoring
TW-1	6/4/2021	Northstar	387.40	87.10	300.30	-0.45	Monitoring
TW-1	12/3/2021	Northstar	387.40	87.72	299.68	-1.07	Monitoring
TW-1	6/2/2022	Northstar	387.40	87.40	300.00	-0.75	Monitoring
TW-1	12/1/2022	Northstar	387.40	87.28	300.12	-0.63	Monitoring
TW-1	6/8/2023	Northstar	387.40	87.35	300.05	-0.70	Monitoring
TW-1	12/7/2023	Northstar	387.40	87.20	300.20	-0.55	Monitoring
TW-1	6/6/2024	Northstar	387.40	87.35	300.05	-0.70	Monitoring
TW-1	12/5/2024	Northstar	387.40	88.40	299.00	-1.75	Monitoring
TW-1	6/3/2025	Northstar	387.40	88.25	299.15	-1.60	Monitoring
TW-1	12/4/2025	Northstar	387.40	87.79	299.61	-1.14	Monitoring
TW-2	1/5/2010	WorleyParsons	393.47	132.37	261.10	N/A	Monitoring
TW-2	11/9/2010	WorleyParsons	393.47	127.09	266.38	0.00	Baseline
TW-2	1/19/2011	WorleyParsons	393.47	125.68	267.79	1.41	Monitoring
TW-2	2/8/2011	WorleyParsons	393.47	Pumping		N/A	Pumping
TW-2	6/9/2011	WorleyParsons	393.47	126.46	267.01	0.63	Monitoring
TW-2	9/26/2011	WorleyParsons	393.47	128.04	265.43	-0.95	Monitoring
TW-2	12/14/2011	WorleyParsons	393.47	127.75	265.72	-0.66	Monitoring
TW-2	2/21/2012	WorleyParsons	393.47	127.85	265.62	-0.76	Monitoring
TW-2	5/24/2012	WorleyParsons	393.47	127.88	265.59	-0.79	Monitoring
TW-2	7/26/2012	WorleyParsons	393.47	128.09	265.38	-1.00	Monitoring
TW-2	10/23/2012	WorleyParsons	393.47	127.87	265.60	-0.78	Monitoring
TW-2	3/28/2013	WorleyParsons	393.47	127.22	266.25	-0.13	Monitoring
TW-2	6/20/2013	WorleyParsons	393.47	127.52	265.95	-0.43	Monitoring
TW-2	8/13/2013	WorleyParsons	393.47	127.88	265.59	-0.79	Monitoring
TW-2	11/12/2013	WorleyParsons	393.47	128.07	265.40	-0.98	Monitoring
TW-2	2/26/2014	WorleyParsons	393.47	127.00	266.47	0.09	Monitoring
TW-2	5/20/2014	Northstar	393.47	127.18	266.29	-0.09	Monitoring
TW-2	8/8/2014	Northstar	393.47	127.40	266.07	-0.31	Monitoring
TW-2	12/4/2014	Northstar	393.47	127.22	266.25	-0.13	Monitoring
TW-2	3/26/2015	Northstar	393.47	127.08	266.39	0.01	Monitoring
TW-2	6/11/2015	Northstar	393.47	127.00	266.47	0.09	Monitoring
TW-2	12/10/2015	Northstar	393.47	126.71	266.76	0.38	Monitoring
TW-2	6/2/2016	Northstar	393.47	126.60	266.87	0.49	Monitoring
TW-2	11/30/2016	Northstar	393.47	126.86	266.61	0.23	Monitoring
TW-2	6/1/2017	Northstar	393.47	126.60	266.87	0.49	Monitoring
TW-2	12/5/2017	Northstar	393.47	126.75	266.72	0.34	Monitoring
TW-2	6/1/2018	Northstar	393.47	126.78	266.69	0.31	Monitoring
TW-2	12/4/2018	Northstar	393.47	127.38	266.09	-0.29	Monitoring
TW-2	6/14/2019	Northstar	393.47	127.05	266.42	0.04	Monitoring
TW-2	12/5/2019	Northstar	393.47	126.75	266.72	0.34	Monitoring

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
TW-2	6/5/2020	Northstar	393.47	126.60	266.87	0.49	Monitoring
TW-2	12/3/2020	Northstar	393.47	126.98	266.49	0.11	Monitoring
TW-2	6/4/2021	Northstar	393.47	126.60	266.87	0.49	Monitoring
TW-2	12/2/2021	Northstar	393.47	127.01	266.46	0.08	Monitoring
TW-2	6/2/2022	Northstar	393.47	126.75	266.72	0.34	Monitoring
TW-2	12/1/2022	Northstar	393.47	126.88	266.59	0.21	Monitoring
TW-2	6/8/2023	Northstar	393.47	126.48	266.99	0.61	Monitoring
TW-2	12/7/2023	Northstar	393.47	126.90	266.57	0.19	Monitoring
TW-2	6/6/2024	Northstar	393.47	127.05	266.42	0.04	Monitoring
TW-2	12/5/2024	Northstar	393.47	125.48	267.99	1.61	Monitoring
TW-2	6/3/2025	Northstar	393.47	125.00	268.47	2.09	Monitoring
TW-2	12/4/2025	Northstar	393.47	124.94	268.53	2.15	Monitoring
OBS-1	5/25/2009	WorleyParsons	388.30	79.22	309.08	N/A	Monitoring
OBS-1	11/10/2010	WorleyParsons	388.30	77.67	310.63	0.00	Baseline
OBS-1	2/8/2011	WorleyParsons	388.30	77.98	310.32	-0.31	Monitoring
OBS-1	6/8/2011	WorleyParsons	388.30	77.99	310.31	-0.32	Monitoring
OBS-1	9/25/2011	WorleyParsons	388.30	78.08	310.22	-0.41	Monitoring
OBS-1	12/13/2011	WorleyParsons	388.30	78.29	310.01	-0.62	Monitoring
OBS-1	2/21/2012	WorleyParsons	388.30	78.17	310.13	-0.50	Monitoring
OBS-1	5/23/2012	WorleyParsons	388.30	78.14	310.16	-0.47	Monitoring
OBS-1	7/26/2012	WorleyParsons	388.30	78.15	310.15	-0.48	Monitoring
OBS-1	10/23/2012	WorleyParsons	388.30	78.09	310.21	-0.42	Monitoring
OBS-1	3/29/2013	WorleyParsons	388.30	78.06	310.24	-0.39	Monitoring
OBS-1	6/20/2013	WorleyParsons	388.30	78.05	310.25	-0.38	Monitoring
OBS-1	8/13/2013	WorleyParsons	388.30	78.07	310.23	-0.40	Monitoring
OBS-1	11/14/2013	WorleyParsons	388.30	78.15	310.15	-0.48	Monitoring
OBS-1	2/26/2014	WorleyParsons	388.30	78.12	310.18	-0.45	Monitoring
OBS-1	5/20/2014	Northstar	388.30	78.06	310.24	-0.39	Monitoring
OBS-1	8/8/2014	Northstar	388.30	78.05	310.25	-0.38	Monitoring
OBS-1	12/4/2014	Northstar	388.30	78.10	310.20	-0.43	Monitoring
OBS-1	3/26/2015	Northstar	388.30	78.15	310.15	-0.48	Monitoring
OBS-1	6/11/2015	Northstar	388.30	78.10	310.20	-0.43	Monitoring
OBS-1	12/10/2015	Northstar	388.30	78.20	310.10	-0.53	Monitoring
OBS-1	6/2/2016	Northstar	388.30	78.14	310.16	-0.47	Monitoring
OBS-1	11/30/2016	Northstar	388.30	78.20	310.10	-0.53	Monitoring
OBS-1	6/1/2017	Northstar	388.30	78.13	310.17	-0.46	Monitoring
OBS-1	12/5/2017	Northstar	388.30	78.18	310.12	-0.51	Monitoring
OBS-1	6/1/2018	Northstar	388.30	78.10	310.20	-0.43	Monitoring
OBS-1	12/4/2018	Northstar	388.30	78.18	310.12	-0.51	Monitoring
OBS-1	6/13/2019	Northstar	388.30	78.12	310.18	-0.45	Monitoring
OBS-1	12/5/2019	Northstar	388.30	78.10	310.20	-0.43	Monitoring
OBS-1	6/5/2020	Northstar	388.30	78.10	310.20	-0.43	Monitoring
OBS-1	12/3/2020	Northstar	388.30	78.25	310.05	-0.58	Monitoring
OBS-1	6/4/2021	Northstar	388.30	78.15	310.15	-0.48	Monitoring
OBS-1	12/3/2021	Northstar	388.30	78.22	310.08	-0.55	Monitoring
OBS-1	6/2/2022	Northstar	388.30	78.15	310.15	-0.48	Monitoring
OBS-1	12/1/2022	Northstar	388.30	78.15	310.15	-0.48	Monitoring
OBS-1	6/8/2023	Northstar	388.30	78.15	310.15	-0.48	Monitoring
OBS-1	12/7/2023	Northstar	388.30	78.12	310.18	-0.45	Monitoring
OBS-1	6/6/2024	Northstar	388.30	78.11	310.19	-0.44	Monitoring
OBS-1	12/5/2024	Northstar	388.30	78.22	310.08	-0.55	Monitoring
OBS-1	6/3/2025	Northstar	388.30	78.20	310.10	-0.53	Monitoring
OBS-1	12/4/2025	Northstar	388.30	78.11	310.19	-0.44	Monitoring
OBS-2-270 ⁶	7/9/2009	WorleyParsons	388.14	78.75	309.39	N/A	Monitoring
OBS-2-270 ⁶	11/10/2010	WorleyParsons	388.14	80.56	307.58	0.00	Baseline
OBS-2-270 ⁶	2/8/2011	WorleyParsons	388.14	80.61	307.53	-0.05	Monitoring
OBS-2-270 ⁶	2/8/2011	WorleyParsons	388.14	80.68	307.46	-0.12	Monitoring
OBS-2-270 ⁶	9/25/2011	WorleyParsons	388.14	80.77	307.37	-0.21	Monitoring
OBS-2-270 ⁶	12/14/2011	WorleyParsons	388.14	NM ²	N/A	N/A	Monitoring
OBS-2-270 ⁶	2/21/2012	WorleyParsons	388.14	80.47	307.67	0.09	Monitoring
OBS-2-270 ⁶	5/25/2012	WorleyParsons	388.14	81.28	306.86	-0.72	Monitoring
OBS-2-270 ⁶	7/26/2012	WorleyParsons	388.14	81.00	307.14	-0.44	Monitoring
OBS-2-270 ⁶	10/23/2012	WorleyParsons	388.14	81.01	307.13	-0.45	Monitoring
OBS-2-270 ⁶	3/29/2013	WorleyParsons	388.14	80.99	307.15	-0.43	Monitoring
OBS-2-270 ⁶	6/20/2013	WorleyParsons	388.14	NM ²	N/A	N/A	Monitoring
OBS-2-270 ⁶	8/13/2013	WorleyParsons	388.14	NM ²	N/A	N/A	Monitoring
OBS-2-270 ⁶	11/12/2013	WorleyParsons	388.14	81.24	306.90	-0.68	Monitoring
OBS-2-270 ⁶	2/26/2014	WorleyParsons	388.14	81.48	306.66	-0.92	Monitoring

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GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
OBS-2-315 ⁶	7/9/2009	WorleyParsons	388.14	80.89	307.25	N/A	Monitoring
OBS-2-315 ⁶	11/10/2010	WorleyParsons	388.14	82.51	305.63	0.00	Baseline
OBS-2-315 ⁶	2/8/2011	WorleyParsons	388.14	82.61	305.53	-0.10	Monitoring
OBS-2-315 ⁶	2/8/2011	WorleyParsons	388.14	82.83	305.31	-0.32	Monitoring
OBS-2-315 ⁶	9/25/2011	WorleyParsons	388.14	83.03	305.11	-0.52	Monitoring
OBS-2-315 ⁶	12/14/2011	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-315 ⁶	2/21/2012	WorleyParsons	388.14	82.81	305.33	-0.30	Monitoring
OBS-2-315 ⁶	5/25/2012	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-315 ⁶	7/26/2012	WorleyParsons	388.14	83.38	304.76	-0.87	Monitoring
OBS-2-315 ⁶	10/23/2012	WorleyParsons	388.14	83.43	304.71	-0.92	Monitoring
OBS-2-315 ⁶	3/29/2013	WorleyParsons	388.14	83.45	304.69	-0.94	Monitoring
OBS-2-315 ⁶	6/20/2013	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-315 ⁶	8/13/2013	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-315 ⁶	11/12/2013	WorleyParsons	388.14	83.74	304.40	-1.23	Monitoring
OBS-2-315 ⁶	2/26/2014	WorleyParsons	388.14	83.96	304.18	-1.45	Monitoring
OBS-2-370 ⁶	7/9/2009	WorleyParsons	388.14	82.46	305.68	N/A	Monitoring
OBS-2-370 ⁶	11/10/2010	WorleyParsons	388.14	84.60	303.54	0.00	Baseline
OBS-2-370 ⁶	2/8/2011	WorleyParsons	388.14	85.01	303.13	-0.41	Monitoring
OBS-2-370 ⁶	9/25/2011	WorleyParsons	388.14	85.24	302.90	-0.64	Monitoring
OBS-2-370 ⁶	12/14/2011	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-370 ⁶	2/21/2012	WorleyParsons	388.14	85.05	303.09	-0.45	Monitoring
OBS-2-370 ⁶	5/25/2012	WorleyParsons	388.14	85.84	302.30	-1.24	Monitoring
OBS-2-370 ⁶	7/26/2012	WorleyParsons	388.14	85.64	302.50	-1.04	Monitoring
OBS-2-370 ⁶	10/23/2012	WorleyParsons	388.14	85.70	302.44	-1.10	Monitoring
OBS-2-370 ⁶	3/29/2013	WorleyParsons	388.14	85.75	302.39	-1.15	Monitoring
OBS-2-370 ⁶	6/20/2013	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-370 ⁶	8/13/2013	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-370 ⁶	11/12/2013	WorleyParsons	388.14	86.05	302.09	-1.45	Monitoring
OBS-2-370 ⁶	2/26/2014	WorleyParsons	388.14	86.27	301.87	-1.67	Monitoring
OBS-2-400 ⁶	7/9/2009	WorleyParsons	388.14	86.26	301.88	N/A	Monitoring
OBS-2-400 ⁶	11/10/2010	WorleyParsons	388.14	87.34	300.80	0.00	Baseline
OBS-2-400 ⁶	2/8/2011	WorleyParsons	388.14	87.41	300.73	-0.07	Monitoring
OBS-2-400 ⁶	2/8/2011	WorleyParsons	388.14	87.57	300.57	-0.23	Monitoring
OBS-2-400 ⁶	9/25/2011	WorleyParsons	388.14	87.73	300.41	-0.39	Monitoring
OBS-2-400 ⁶	12/14/2011	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-400 ⁶	2/21/2012	WorleyParsons	388.14	87.47	300.67	-0.13	Monitoring
OBS-2-400 ⁶	5/25/2012	WorleyParsons	388.14	88.20	299.94	-0.86	Monitoring
OBS-2-400 ⁶	7/26/2012	WorleyParsons	388.14	87.96	300.18	-0.62	Monitoring
OBS-2-400 ⁶	10/23/2012	WorleyParsons	388.14	87.97	300.17	-0.63	Monitoring
OBS-2-400 ⁶	3/29/2013	WorleyParsons	388.14	88.20	299.94	-0.86	Monitoring
OBS-2-400 ⁶	6/20/2013	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-400 ⁶	8/13/2013	WorleyParsons	388.14	NM ²		N/A	Monitoring
OBS-2-400 ⁶	11/12/2013	WorleyParsons	388.14	88.12	300.02	-0.78	Monitoring
OBS-2-400 ⁶	2/26/2014	WorleyParsons	388.14	88.31	299.83	-0.97	Monitoring
14	6/8/2011	WorleyParsons	388.14	100.98	287.16	0.00	Baseline
14	9/26/2011	WorleyParsons	388.14	100.65	287.49	0.33	Monitoring
14	12/14/2011	WorleyParsons	388.14	100.87	287.27	0.11	Monitoring
14	2/21/2012	WorleyParsons	388.14	100.85	287.29	0.13	Monitoring
14	5/24/2012	WorleyParsons	388.14	100.70	287.44	0.28	Monitoring
14	7/26/2012	WorleyParsons	388.14	100.72	287.42	0.26	Monitoring
14	10/23/2012	WorleyParsons	388.14	100.66	287.48	0.32	Monitoring
14	3/28/2013	WorleyParsons	388.14	100.49	287.65	0.49	Monitoring
14	6/20/2013	WorleyParsons	388.14	100.46	287.68	0.52	Monitoring
14	8/13/2013	WorleyParsons	388.14	100.46	287.68	0.52	Monitoring
14	11/12/2013	WorleyParsons	388.14	NM ⁴		N/A	Monitoring
14	2/26/2014	WorleyParsons	388.14	100.39	287.75	0.59	Monitoring
14	5/20/2014	Northstar	388.14	100.35	287.79	0.63	Monitoring
14	8/8/2014	Northstar	388.14	100.26	287.88	0.72	Monitoring
14	12/4/2014	Northstar	388.14	100.25	287.89	0.73	Monitoring
14	3/26/2015	Northstar	388.14	100.25	287.89	0.73	Monitoring
14	6/11/2015	Northstar	388.14	100.15	287.99	0.83	Monitoring
14	12/10/2015	Northstar	388.14	100.12	288.02	0.86	Monitoring
14	6/2/2016	Northstar	388.14	100.08	288.06	0.90	Monitoring
14	11/30/2016	Northstar	388.14	100.10	288.04	0.88	Monitoring

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GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
14	6/2/2017	Northstar	388.14	100.13	288.01	0.85	Monitoring
14 ⁸	12/5/2017	Northstar	388.14	128.75		N/A	Monitoring
14	6/1/2018	Northstar	388.14	100.60	287.54	0.38	Monitoring
14	12/4/2018	Northstar	388.14	100.52	287.62	0.46	Monitoring
14	6/13/2019	Northstar	388.14	100.20	287.94	0.78	Monitoring
14	12/5/2019	Northstar	388.14	100.85	287.29	0.13	Monitoring
14	6/4/2020	Northstar	388.14	100.60	287.54	0.38	Monitoring
14	12/3/2020	Northstar	388.14	100.47	287.67	0.51	Monitoring
14	6/3/2021	Northstar	388.14	100.15	287.99	0.83	Monitoring
14	12/3/2021	Northstar	388.14	100.20	287.94	0.78	Monitoring
14	6/2/2022	Northstar	388.14	100.03	288.11	0.95	Monitoring
14	12/1/2022	Northstar	388.14	99.95	288.19	1.03	Monitoring
14	6/8/2023	Northstar	388.14	99.90	288.24	1.08	Monitoring
14	12/7/2023	Northstar	388.14	99.85	288.29	1.13	Monitoring
14	6/6/2024	Northstar	388.14	99.98	288.16	1.00	Monitoring
14	12/5/2024	Northstar	388.14	99.80	288.34	1.18	Monitoring
14	6/3/2025	Northstar	388.14	99.65	288.49	1.33	Monitoring
14	12/4/2025	Northstar	388.14	99.58	288.56	1.40	Monitoring
23a	11/11/2010	WorleyParsons	392.10	138.05	254.05	0.00	Baseline
23a	2/8/2011	WorleyParsons	392.10	137.12	254.98	0.93	Monitoring
23a	6/7/2011	WorleyParsons	392.10	137.58	254.52	0.47	Monitoring
23a	9/26/2011	WorleyParsons	392.10	138.01	254.09	0.04	Monitoring
23a	12/14/2011	WorleyParsons	392.10	138.88	253.22	-0.83	Monitoring
23a	2/22/2012	WorleyParsons	392.10	137.70	254.40	0.35	Monitoring
23a	5/24/2012	WorleyParsons	392.10	137.74	254.36	0.31	Monitoring
23a	7/26/2012	WorleyParsons	392.10	137.76	254.34	0.29	Monitoring
23a	10/23/2012	WorleyParsons	392.10	137.94	254.16	0.11	Monitoring
23a	3/28/2013	WorleyParsons	392.10	137.27	254.83	0.78	Monitoring
23a	6/20/2013	WorleyParsons	392.10	137.77	254.33	0.28	Monitoring
23a	8/13/2013	WorleyParsons	392.10	137.81	254.29	0.24	Monitoring
23a	11/12/2013	WorleyParsons	392.10	138.01	254.09	0.04	Monitoring
23a	2/25/2014	WorleyParsons	392.10	136.90	255.20	1.15	Monitoring
23a	5/20/2014	Northstar	392.10	137.15	254.95	0.90	Monitoring
23a	8/8/2014	Northstar	392.10	137.31	254.79	0.74	Monitoring
23a	12/4/2014	Northstar	392.10	137.18	254.92	0.87	Monitoring
23a	3/26/2015	Northstar	392.10	NM ⁷		N/A	Monitoring
23a	6/11/2015	Northstar	392.10	NM ⁷		N/A	Monitoring
23a	12/10/2015	Northstar	392.10	136.60	255.50	1.45	Monitoring
23a	6/2/2016	Northstar	392.10	136.55	255.55	1.50	Monitoring
23a	11/30/2016	Northstar	392.10	136.75	255.35	1.30	Monitoring
23a	6/1/2017	Northstar	392.10	136.40	255.70	1.65	Monitoring
23a	12/5/2017	Northstar	392.10	136.70	255.40	1.35	Monitoring
23a	6/1/2018	Northstar	392.10	136.60	255.50	1.45	Monitoring
23a	12/4/2018	Northstar	392.10	NM ⁷		N/A	Monitoring
23a	6/14/2019	Northstar	392.10	136.60	255.50	1.45	Monitoring
23a	12/5/2019	Northstar	392.10	136.75	255.35	1.30	Monitoring
23a	6/5/2020	Northstar	392.10	136.40	255.70	1.65	Monitoring
23a	12/3/2020	Northstar	392.10	136.80	255.30	1.25	Monitoring
23a	6/4/2021	Northstar	392.10	136.35	255.75	1.70	Monitoring
23a	12/3/2021	Northstar	392.10	136.68	255.42	1.37	Monitoring
23a	6/2/2022	Northstar	392.10	NM ⁷		N/A	Monitoring
23a	12/1/2022	Northstar	392.10	136.58	255.52	1.47	Monitoring
23a	6/8/2023	Northstar	392.10	136.18	255.92	1.87	Monitoring
23a	12/7/2023	Northstar	392.10	136.35	255.75	1.70	Monitoring
23a	6/6/2024	Northstar	392.10	136.37	255.73	1.68	Monitoring
23a	12/5/2024	Northstar	392.10	135.02	257.08	3.03	Monitoring
23a	6/3/2025	Northstar	392.10	134.55	257.55	3.50	Monitoring
23a	12/4/2025	Northstar	392.10	134.63	257.47	3.42	Monitoring
24-1	2/8/2011	WorleyParsons	389.40	123.66	265.74	N/A	Monitoring
24-1	6/8/2011	WorleyParsons	389.40	126.71	262.69	0.00	Baseline
24-1	9/26/2011	WorleyParsons	389.40	127.15	262.25	-0.44	Monitoring
24-1	12/13/2011	WorleyParsons	389.40	126.98	262.42	-0.27	Monitoring
24-1	2/22/2012	WorleyParsons	389.40	127.20	262.20	-0.49	Monitoring
24-1	5/23/2012	WorleyParsons	389.40	127.14	262.26	-0.43	Monitoring
24-1	7/26/2012	WorleyParsons	389.40	127.31	262.09	-0.60	Monitoring
24-1	10/23/2012	WorleyParsons	389.40	127.21	262.19	-0.50	Monitoring
24-1	3/28/2013	WorleyParsons	389.40	126.73	262.67	-0.02	Monitoring
24-1	6/19/2013	WorleyParsons	389.40	127.95	261.45	-1.24	Monitoring
24-1	8/14/2013	WorleyParsons	389.40	127.18	262.22	-0.47	Monitoring
24-1	11/13/2013	WorleyParsons	389.40	127.31	262.09	-0.60	Monitoring
24-1	2/25/2014	WorleyParsons	389.40	125.70	263.70	1.01	Monitoring

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 Genesis Solar Energy Project, Riverside County, California

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24-1	5/22/2014	Northstar	389.40	126.84	262.56	-0.13	Monitoring
24-1	8/8/2014	Northstar	389.40	126.91	262.49	-0.20	Monitoring
24-1	12/5/2014	Northstar	389.40	126.91	262.49	-0.20	Monitoring
24-1	3/26/2015	Northstar	389.40	127.10	262.30	-0.39	Monitoring
24-1	6/11/2015	Northstar	389.40	127.02	262.38	-0.31	Monitoring
24-1	12/11/2015	Northstar	389.40	126.80	262.60	-0.09	Monitoring
24-1	6/3/2016	Northstar	389.40	126.79	262.61	-0.08	Monitoring
24-1	11/30/2016	Northstar	389.40	126.93	262.47	-0.22	Monitoring
24-1	6/2/2017	Northstar	389.40	126.88	262.52	-0.17	Monitoring
24-1	12/5/2017	Northstar	389.40	126.95	262.45	-0.24	Monitoring
24-1	6/1/2018	Northstar	389.40	126.91	262.49	-0.20	Monitoring
24-1	12/4/2018	Northstar	389.40	127.36	262.04	-0.65	Monitoring
24-1	6/13/2019	Northstar	389.40	127.27	262.13	-0.56	Monitoring
24-1	12/5/2019	Northstar	389.40	127.10	262.30	-0.39	Monitoring
24-1	6/4/2020	Northstar	389.40	126.90	262.50	-0.19	Monitoring
24-1	12/3/2020	Northstar	389.40	127.30	262.10	-0.59	Monitoring
24-1	6/3/2021	Northstar	389.40	126.98	262.42	-0.27	Monitoring
24-1	12/3/2021	Northstar	389.40	127.31	262.09	-0.60	Monitoring
24-1	6/2/2022	Northstar	389.40	127.11	262.29	-0.40	Monitoring
24-1	12/1/2022	Northstar	389.40	126.98	262.42	-0.27	Monitoring
24-1	6/8/2023	Northstar	389.40	127.13	262.27	-0.42	Monitoring
24-1	12/7/2023	Northstar	389.40	127.00	262.40	-0.29	Monitoring
24-1	6/6/2024	Northstar	389.40	127.15	262.25	-0.44	Monitoring
24-1	12/5/2024	Northstar	389.40	126.95	262.45	-0.24	Monitoring
24-1	6/3/2025	Northstar	389.40	126.80	262.60	-0.09	Monitoring
24-1	12/4/2025	Northstar	389.40	126.42	262.98	0.29	Monitoring
24-2	2/8/2011	WorleyParsons	388.86	124.91	263.95	0.00	Baseline
24-2	10/23/2011	WorleyParsons	388.86	125.69	263.17	-0.78	Monitoring
24-2	6/19/2013	WorleyParsons	388.86	125.40	263.46	-0.49	Monitoring
24-2	8/14/2013	WorleyParsons	388.86	126.60	262.26	-1.69	Monitoring
24-2	5/22/2014	Northstar	388.86	125.82	263.04	-0.91	Monitoring
24-2	8/8/2014	Northstar	388.86	125.33	263.53	-0.42	Monitoring
24-2	12/5/2014	Northstar	388.86	125.95	262.91	-1.04	Monitoring
24-2	3/26/2015	Northstar	388.86	125.20	263.66	-0.29	Monitoring
24-2	6/11/2015	Northstar	388.86	125.15	263.71	-0.24	Monitoring
24-2	12/11/2015	Northstar	388.86	124.90	263.96	0.01	Monitoring
24-2	6/3/2016	Northstar	388.86	124.90	263.96	0.01	Monitoring
24-2	11/30/2016	Northstar	388.86	125.08	263.78	-0.17	Monitoring
24-2	6/2/2017	Northstar	388.86	125.00	263.86	-0.09	Monitoring
24-2	12/5/2017	Northstar	388.86	125.05	263.81	-0.14	Monitoring
24-2	6/1/2018	Northstar	388.86	125.00	263.86	-0.09	Monitoring
24-2	12/4/2018	Northstar	388.86	125.45	263.41	-0.54	Monitoring
24-2	6/13/2019	Northstar	388.86	125.35	263.51	-0.44	Monitoring
24-2	12/5/2019	Northstar	388.86	125.10	263.76	-0.19	Monitoring
24-2	6/4/2020	Northstar	388.86	124.89	263.97	0.02	Monitoring
24-2	12/3/2020	Northstar	388.86	125.30	263.56	-0.39	Monitoring
24-2	6/3/2021	Northstar	388.86	124.97	263.89	-0.06	Monitoring
24-2	12/3/2021	Northstar	388.86	125.25	263.61	-0.34	Monitoring
24-2	6/2/2022	Northstar	388.86	125.02	263.84	-0.11	Monitoring
24-2	12/1/2022	Northstar	388.86	124.90	263.96	0.01	Monitoring
24-2	6/8/2023	Northstar	388.86	125.03	263.83	-0.12	Monitoring
24-2	12/7/2023	Northstar	388.86	124.97	263.89	-0.06	Monitoring
24-2	6/6/2024	Northstar	388.86	125.10	263.76	-0.19	Monitoring
24-2	12/5/2024	Northstar	388.86	124.98	263.88	-0.07	Monitoring
24-2	6/3/2025	Northstar	388.86	124.83	264.03	0.08	Monitoring
24-2	12/4/2025	Northstar	388.86	124.10	264.76	0.81	Monitoring
24-3	2/8/2011	WorleyParsons	392.04	126.45	265.59	N/A	Monitoring
24-3	10/23/2011	WorleyParsons	392.04	124.48	267.56	0.00	Baseline
24-3	6/19/2013	WorleyParsons	392.04	124.15	267.89	0.33	Monitoring
24-3	8/14/2013	WorleyParsons	392.04	124.44	267.60	0.04	Monitoring
24-3	5/22/2014	Northstar	392.04	124.00	268.04	0.48	Monitoring
24-3	8/8/2014	Northstar	392.04	124.07	267.97	0.41	Monitoring
24-3	12/5/2014	Northstar	392.04	124.05	267.99	0.43	Monitoring
24-3	3/26/2015	Northstar	392.04	123.90	268.14	0.58	Monitoring
24-3	6/11/2015	Northstar	392.04	123.85	268.19	0.63	Monitoring
24-3	12/11/2015	Northstar	392.04	123.55	268.49	0.93	Monitoring
24-3	6/3/2016	Northstar	392.04	123.48	268.56	1.00	Monitoring
24-3	11/30/2016	Northstar	392.04	123.65	268.39	0.83	Monitoring
24-3	6/2/2017	Northstar	392.04	123.55	268.49	0.93	Monitoring
24-3	12/5/2017	Northstar	392.04	123.65	268.39	0.83	Monitoring
24-3	6/1/2018	Northstar	392.04	123.57	268.47	0.91	Monitoring

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
24-3	12/4/2018	Northstar	392.04	124.08	267.96	0.40	Monitoring
24-3	6/13/2019	Northstar	392.04	123.95	268.09	0.53	Monitoring
24-3	12/5/2019	Northstar	392.04	123.71	268.33	0.77	Monitoring
24-3	6/4/2020	Northstar	392.04	123.43	268.61	1.05	Monitoring
24-3	12/3/2020	Northstar	392.04	123.81	268.23	0.67	Monitoring
24-3	6/3/2021	Northstar	392.04	123.50	268.54	0.98	Monitoring
24-3	12/3/2021	Northstar	392.04	123.72	268.32	0.76	Monitoring
24-3	6/2/2022	Northstar	392.04	123.50	268.54	0.98	Monitoring
24-3	12/1/2022	Northstar	392.04	123.35	268.69	1.13	Monitoring
24-3	6/8/2023	Northstar	392.04	123.50	268.54	0.98	Monitoring
24-3	12/7/2023	Northstar	392.04	123.40	268.64	1.08	Monitoring
24-3	6/6/2024	Northstar	392.04	123.56	268.48	0.92	Monitoring
24-3	12/5/2024	Northstar	392.04	123.20	268.84	1.28	Monitoring
24-3	6/3/2025	Northstar	392.04	123.06	268.98	1.42	Monitoring
24-3	12/4/2025	Northstar	392.04	122.65	269.39	1.83	Monitoring
PW-0	12/14/2011	WorleyParsons	385.64	NM ³		N/A	Production/Monitoring
PW-0	2/23/2012	WorleyParsons	385.64	NM ³		N/A	Production/Monitoring
PW-0	5/23/2012	WorleyParsons	385.64	NM ³		N/A	Production/Monitoring
PW-0	7/26/2012	WorleyParsons	385.64	NM ³		N/A	Production/Monitoring
PW-0	10/23/2012	WorleyParsons	385.64	Pumping		N/A	Production/Monitoring
PW-0	3/28/2013	WorleyParsons	385.64	67.71	317.93	N/A	Production/Monitoring
PW-0	6/19/2013	WorleyParsons	385.64	Pumping		N/A	Production/Monitoring
PW-0	8/13/2013	WorleyParsons	385.64	100.49	285.15	N/A	Production/Monitoring
PW-0	11/13/2013	WorleyParsons	385.64	118.10	267.54	N/A	Production/Monitoring
PW-0	2/26/2014	WorleyParsons	385.64	98.46	287.18	N/A	Production/Monitoring
PW-0	5/20/2014	Northstar	385.64	99.60	286.04	N/A	Production/Monitoring
PW-0	8/8/2014	Northstar	385.64	99.06	286.58	N/A	Production/Monitoring
PW-0	12/4/2014	Northstar	385.64	99.65	285.99	N/A	Production/Monitoring
PW-0	3/26/2015	Northstar	385.64	99.62	286.02	N/A	Production/Monitoring
PW-0	6/11/2015	Northstar	385.64	98.00	287.64	N/A	Production/Monitoring
PW-0	12/10/2015	Northstar	385.64	99.55	286.09	N/A	Production/Monitoring
PW-0	6/3/2016	Northstar	385.64	99.78	285.86	N/A	Production/Monitoring
PW-0	11/30/2016	Northstar	385.64	99.50	286.14	N/A	Production/Monitoring
PW-0	6/1/2017	Northstar	385.64	99.32	286.32	N/A	Production/Monitoring
PW-0	12/5/2017	Northstar	385.64	98.00	287.64	N/A	Production/Monitoring
PW-0	5/30/2018	Northstar	385.64	99.27	286.37	N/A	Production/Monitoring
PW-0	12/4/2018	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	6/13/2019	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	12/5/2019	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	6/4/2020	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	12/3/2020	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	6/4/2021	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	12/2/2021	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	6/2/2022	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	12/1/2022	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	6/8/2023	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	12/7/2023	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	6/6/2024	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	12/5/2024	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	6/3/2025	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-0	12/4/2025	Northstar	385.64	NM ⁹		N/A	Production/Monitoring
PW-1	12/14/2011	WorleyParsons	384.43	Pumping		N/A	Production/Monitoring
PW-1	2/23/2012	WorleyParsons	384.43	100.84	283.59	N/A	Production/Monitoring
PW-1	5/23/2012	WorleyParsons	384.43	Pumping		N/A	Production/Monitoring
PW-1	7/26/2012	WorleyParsons	384.43	101.09		N/A	Production/Monitoring
PW-1	10/23/2012	WorleyParsons	384.43	100.89	283.54	N/A	Production/Monitoring
PW-1	3/28/2013	WorleyParsons	384.43	100.60	283.83	N/A	Production/Monitoring
PW-1	6/19/2013	WorleyParsons	384.43	Pumping		N/A	Production/Monitoring
PW-1	8/13/2013	WorleyParsons	384.43	109.35	275.08	N/A	Production/Monitoring
PW-1	11/13/2013	WorleyParsons	384.43	99.89	284.54	N/A	Production/Monitoring
PW-1	2/26/2014	WorleyParsons	384.43	98.49	285.94	N/A	Production/Monitoring
PW-1	5/20/2014	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	8/8/2014	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	12/4/2014	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	3/26/2015	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	6/11/2015	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	12/10/2015	Northstar	384.43	NM ⁵		N/A	Production/Monitoring

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
PW-1	6/2/2016	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	11/30/2016	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	6/1/2017	Northstar	384.43	98.20	286.23	N/A	Production/Monitoring
PW-1	12/5/2017	Northstar	384.43	98.30	286.13	N/A	Production/Monitoring
PW-1	5/30/2018	Northstar	384.43	98.24	286.19	N/A	Production/Monitoring
PW-1	12/4/2018	Northstar	384.43	98.78	285.65	N/A	Production/Monitoring
PW-1	6/13/2019	Northstar	384.43	98.55	285.88	N/A	Production/Monitoring
PW-1	12/5/2019	Northstar	384.43	98.12	286.31	N/A	Production/Monitoring
PW-1	6/4/2020	Northstar	384.43	98.25	286.18	N/A	Production/Monitoring
PW-1	12/3/2020	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	6/4/2021	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	12/2/2021	Northstar	384.43	NM ⁵		N/A	Production/Monitoring
PW-1	6/2/2022	Northstar	384.43	98.85	285.58	N/A	Production/Monitoring
PW-1	12/1/2022	Northstar	384.43	98.70	285.73	N/A	Production/Monitoring
PW-1	6/8/2023	Northstar	384.43	98.85	285.58	N/A	Production/Monitoring
PW-1	12/7/2023	Northstar	384.43	98.60	285.83	N/A	Production/Monitoring
PW-1	6/6/2024	Northstar	384.43	98.75	285.68	N/A	Production/Monitoring
PW-1	12/5/2024	Northstar	384.43	98.28	286.15	N/A	Production/Monitoring
PW-1	6/3/2025	Northstar	384.43	97.79	286.64	N/A	Production/Monitoring
PW-1	12/4/2025	Northstar	384.43	97.71	286.72	N/A	Production/Monitoring
PW-2	12/14/2011	WorleyParsons	385.15	Pumping		N/A	Production/Monitoring
PW-2	2/23/2012	WorleyParsons	385.15	Pumping		N/A	Production/Monitoring
PW-2	5/23/2012	WorleyParsons	385.15	Pumping		N/A	Production/Monitoring
PW-2	7/26/2012	WorleyParsons	385.15	101.30	283.85	N/A	Production/Monitoring
PW-2	10/23/2012	WorleyParsons	385.15	Pumping		N/A	Production/Monitoring
PW-2	3/28/2013	WorleyParsons	385.15	Pumping		N/A	Production/Monitoring
PW-2	6/19/2013	WorleyParsons	385.15	Pumping		N/A	Production/Monitoring
PW-2	8/13/2013	WorleyParsons	385.15	101.75	283.40	N/A	Production/Monitoring
PW-2	11/12/2013	WorleyParsons	385.15	102.69	282.46	N/A	Production/Monitoring
PW-2	2/26/2014	WorleyParsons	385.15	100.52	284.63	N/A	Production/Monitoring
PW-2	5/20/2014	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	8/8/2014	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	12/4/2014	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	3/26/2015	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	6/11/2015	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	12/10/2015	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	6/2/2016	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	11/30/2016	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	6/1/2017	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	12/5/2017	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	5/30/2018	Northstar	385.15	105.69	279.46	N/A	Production/Monitoring
PW-2	12/4/2018	Northstar	385.15	NM ⁹		N/A	Production/Monitoring
PW-2	6/13/2019	Northstar	385.15	NM ⁹		N/A	Production/Monitoring
PW-2	12/5/2019	Northstar	385.15	NM ⁹		N/A	Production/Monitoring
PW-2	6/4/2020	Northstar	385.15	NM ⁹		N/A	Production/Monitoring
PW-2	12/3/2020	Northstar	385.15	NM ⁹		N/A	Production/Monitoring
PW-2	6/4/2021	Northstar	385.15	NM ⁹		N/A	Production/Monitoring
PW-2	12/2/2021	Northstar	385.15	NM ⁹		N/A	Production/Monitoring
PW-2	6/2/2022	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	12/1/2022	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	6/8/2023	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	12/7/2023	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	6/6/2024	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	12/5/2024	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	6/3/2025	Northstar	385.15	Pumping		N/A	Production/Monitoring
PW-2	12/4/2025	Northstar	385.15	Pumping		N/A	Production/Monitoring
DM-1	2/27/2012	WorleyParsons	391.49	106.63	284.86	N/A	Monitoring
DM-1	5/24/2012	WorleyParsons	391.49	107.11	284.38	0.00	Baseline
DM-1	7/26/2012	WorleyParsons	391.49	107.10	284.39	0.01	Monitoring
DM-1	11/14/2012	WorleyParsons	391.49	108.15	283.34	-1.04	Monitoring
DM-1	3/29/2013	WorleyParsons	391.49	107.34	284.15	-0.23	Monitoring
DM-1	6/19/2013	WorleyParsons	391.49	107.19	284.30	-0.08	Monitoring
DM-1	8/13/2013	WorleyParsons	391.49	107.07	284.42	0.04	Monitoring
DM-1	11/12/2013	WorleyParsons	391.49	107.22	284.27	-0.11	Monitoring
DM-1	2/26/2014	WorleyParsons	391.49	107.13	284.36	-0.02	Monitoring
DM-1	5/22/2014	Northstar	391.49	107.05	284.44	0.06	Monitoring
DM-1	8/8/2014	Northstar	391.49	107.11	284.38	0.00	Monitoring
DM-1	12/4/2014	Northstar	391.49	107.03	284.46	0.08	Monitoring
DM-1	3/26/2015	Northstar	391.49	107.22	284.27	-0.11	Monitoring
DM-1	6/11/2015	Northstar	391.49	107.01	284.48	0.10	Monitoring

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 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
DM-1	12/10/2015	Northstar	391.49	106.98	284.51	0.13	Monitoring
DM-1	6/2/2016	Northstar	391.49	107.18	284.31	-0.07	Monitoring
DM-1	11/30/2016	Northstar	391.49	107.27	284.22	-0.16	Monitoring
DM-1	6/1/2017	Northstar	391.49	107.12	284.37	-0.01	Monitoring
DM-1	12/5/2017	Northstar	391.49	107.38	284.11	-0.27	Monitoring
DM-1	5/30/2018	Northstar	391.49	107.10	284.39	0.01	Monitoring
DM-1	12/4/2018	Northstar	391.49	107.45	284.04	-0.34	Monitoring
DM-1	6/14/2019	Northstar	391.49	107.18	284.31	-0.07	Monitoring
DM-1	12/5/2019	Northstar	391.49	107.42	284.07	-0.31	Monitoring
DM-1	6/4/2020	Northstar	391.49	107.10	284.39	0.01	Monitoring
DM-1	12/3/2020	Northstar	391.49	107.70	283.79	-0.59	Monitoring
DM-1	6/3/2021	Northstar	391.49	107.06	284.43	0.05	Monitoring
DM-1	12/2/2021	Northstar	391.49	107.35	284.14	-0.24	Monitoring
DM-1	6/2/2022	Northstar	391.49	107.25	284.24	-0.14	Monitoring
DM-1	12/1/2022	Northstar	391.49	107.40	284.09	-0.29	Monitoring
DM-1	6/8/2023	Northstar	391.49	107.49	284.00	-0.38	Monitoring
DM-1	12/7/2023	Northstar	391.49	107.41	284.08	-0.30	Monitoring
DM-1	6/6/2024	Northstar	391.49	107.44	284.05	-0.33	Monitoring
DM-1	12/5/2024	Northstar	391.49	107.60	283.89	-0.49	Monitoring
DM-1	6/3/2025	Northstar	391.49	107.48	284.01	-0.37	Monitoring
DM-1	12/4/2025	Northstar	391.49	107.75	283.74	-0.64	Monitoring
DM-2	2/27/2012	WorleyParsons	391.32	106.92	284.40	N/A	Monitoring
DM-2	5/24/2012	WorleyParsons	391.32	107.37	283.95	0.00	Baseline
DM-2	7/26/2012	WorleyParsons	391.32	107.33	283.99	0.04	Monitoring
DM-2	11/14/2012	WorleyParsons	391.32	108.33	282.99	-0.96	Monitoring
DM-2	3/29/2013	WorleyParsons	391.32	107.59	283.73	-0.22	Monitoring
DM-2	6/19/2013	WorleyParsons	391.32	107.41	283.91	-0.04	Monitoring
DM-2	8/13/2013	WorleyParsons	391.32	107.31	284.01	0.06	Monitoring
DM-2	11/12/2013	WorleyParsons	391.32	107.63	283.69	-0.26	Monitoring
DM-2	2/26/2014	WorleyParsons	391.32	107.40	283.92	-0.03	Monitoring
DM-2	5/22/2014	Northstar	391.32	107.28	284.04	0.09	Monitoring
DM-2	8/8/2014	Northstar	391.32	107.28	284.04	0.09	Monitoring
DM-2	12/4/2014	Northstar	391.32	107.43	283.89	-0.06	Monitoring
DM-2	3/26/2015	Northstar	391.32	107.61	283.71	-0.24	Monitoring
DM-2	6/11/2015	Northstar	391.32	107.40	283.92	-0.03	Monitoring
DM-2	12/10/2015	Northstar	391.32	107.30	284.02	0.07	Monitoring
DM-2	6/2/2016	Northstar	391.32	107.38	283.94	-0.01	Monitoring
DM-2	11/30/2016	Northstar	391.32	107.52	283.80	-0.15	Monitoring
DM-2	6/1/2017	Northstar	391.32	107.47	283.85	-0.10	Monitoring
DM-2	12/5/2017	Northstar	391.32	107.78	283.54	-0.41	Monitoring
DM-2	5/30/2018	Northstar	391.32	107.45	283.87	-0.08	Monitoring
DM-2	12/4/2018	Northstar	391.32	107.80	283.52	-0.43	Monitoring
DM-2	6/14/2019	Northstar	391.32	107.55	283.77	-0.18	Monitoring
DM-2	12/5/2019	Northstar	391.32	107.72	283.60	-0.35	Monitoring
DM-2	6/4/2020	Northstar	391.32	107.45	283.87	-0.08	Monitoring
DM-2	12/3/2020	Northstar	391.32	108.03	283.29	-0.66	Monitoring
DM-2	6/3/2021	Northstar	391.32	107.64	283.68	-0.27	Monitoring
DM-2	12/2/2021	Northstar	391.32	107.71	283.61	-0.34	Monitoring
DM-2	6/2/2022	Northstar	391.32	107.65	283.67	-0.28	Monitoring
DM-2	12/1/2022	Northstar	391.32	107.72	283.60	-0.35	Monitoring
DM-2	6/8/2023	Northstar	391.32	107.82	283.50	-0.45	Monitoring
DM-2	12/7/2023	Northstar	391.32	107.74	283.58	-0.37	Monitoring
DM-2	6/6/2024	Northstar	391.32	107.79	283.53	-0.42	Monitoring
DM-2	12/5/2024	Northstar	391.32	107.80	283.52	-0.43	Monitoring
DM-2	6/3/2025	Northstar	391.32	107.80	283.52	-0.43	Monitoring
DM-2	12/4/2025	Northstar	391.32	107.90	283.42	-0.53	Monitoring
DM-3	2/27/2012	WorleyParsons	388.34	103.85	284.49	N/A	Monitoring
DM-3	5/24/2012	WorleyParsons	388.34	104.35	283.99	0.00	Baseline
DM-3	7/26/2012	WorleyParsons	388.34	104.28	284.06	0.07	Monitoring
DM-3	11/14/2012	WorleyParsons	388.34	105.25	283.09	-0.90	Monitoring
DM-3	3/29/2013	WorleyParsons	388.34	104.35	283.99	0.00	Monitoring
DM-3	6/19/2013	WorleyParsons	388.34	104.20	284.14	0.15	Monitoring
DM-3	8/13/2013	WorleyParsons	388.34	104.31	284.03	0.04	Monitoring
DM-3	11/12/2013	WorleyParsons	388.34	104.43	283.91	-0.08	Monitoring
DM-3	2/26/2014	WorleyParsons	388.34	104.31	284.03	0.04	Monitoring
DM-3	5/22/2014	Northstar	388.34	104.20	284.14	0.15	Monitoring
DM-3	8/8/2014	Northstar	388.34	104.21	284.13	0.14	Monitoring
DM-3	12/4/2014	Northstar	388.34	104.39	283.95	-0.04	Monitoring
DM-3	3/26/2015	Northstar	388.34	104.59	283.75	-0.24	Monitoring
DM-3	6/12/2015	Northstar	388.34	104.18	284.16	0.17	Monitoring
DM-3	12/11/2015	Northstar	388.34	103.96	284.38	0.39	Monitoring

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
DM-3	6/3/2016	Northstar	388.34	104.38	283.96	-0.03	Monitoring
DM-3	12/2/2016	Northstar	388.34	104.28	284.06	0.07	Monitoring
DM-3	6/1/2017	Northstar	388.34	104.25	284.09	0.10	Monitoring
DM-3	12/5/2017	Northstar	388.34	104.62	283.72	-0.27	Monitoring
DM-3	5/30/2018	Northstar	388.34	104.27	284.07	0.08	Monitoring
DM-3	12/4/2018	Northstar	388.34	104.68	283.66	-0.33	Monitoring
DM-3	6/14/2019	Northstar	388.34	104.38	283.96	-0.03	Monitoring
DM-3	12/6/2019	Northstar	388.34	104.66	283.68	-0.31	Monitoring
DM-3	6/5/2020	Northstar	388.34	104.32	284.02	0.03	Monitoring
DM-3	12/3/2020	Northstar	388.34	104.80	283.54	-0.45	Monitoring
DM-3	6/3/2021	Northstar	388.34	104.29	284.05	0.06	Monitoring
DM-3	12/2/2021	Northstar	388.34	104.50	283.84	-0.15	Monitoring
DM-3	6/2/2022	Northstar	388.34	104.50	283.84	-0.15	Monitoring
DM-3	12/1/2022	Northstar	388.34	104.50	283.84	-0.15	Monitoring
DM-3	6/8/2023	Northstar	388.34	104.68	283.66	-0.33	Monitoring
DM-3	12/7/2023	Northstar	388.34	104.52	283.82	-0.17	Monitoring
DM-3	6/6/2024	Northstar	388.34	104.56	283.78	-0.21	Monitoring
DM-3	12/5/2024	Northstar	388.34	104.70	283.64	-0.35	Monitoring
DM-3	6/3/2025	Northstar	388.34	104.65	283.69	-0.30	Monitoring
DM-3	12/4/2025	Northstar	388.34	104.88	283.46	-0.53	Monitoring
ADDITIONAL WELLS IN THE CHUCKWALLA VALLEY GROUNDWATER BASIN WITHIN 10 MILES OF THE SITE FOR WHICH GROUNDWATER LEVEL DATA IS AVAILABLE							
2	5/19/1961	DWR, 1963	424	140.00	284.00	N/A	Irrigation
3	2/26/1982	DWRWell Records	498	180.00	318.00	N/A	Irrigation
4	7/24/1961	DWR, 1963	354	60.05	293.95	N/A	Unused
9	9/16/1990	USGS-NWIS	354	81.36	272.64	N/A	Unknown
9	9/24/1990	USGS-NWIS	354	81.56	272.44	N/A	Unknown
9	2/13/1992	USGS-NWIS	354	81.20	272.80	N/A	Unknown
15	2/17/1992	USGS-NWIS	390.2	104.36	285.84	N/A	Unknown
15	3/15/2000	USGS-NWIS	390.2	97.36	292.84	N/A	Unknown
15	9/23/2009	WorleyParsons	390.2	97.00	293.20	N/A	Unknown
16	2/17/1992	USGS-NWIS	390	110.39	279.61	N/A	Unknown
16	9/23/2009	WorleyParsons	390	103.00	287.00	N/A	Unknown
22	2/4/2002	USGS-NWIS	387.6	125.29	262.31	N/A	Unknown
23	9/26/1990	USGS-NWIS	392.1	134.10	258.00	N/A	Unknown
23	2/10/1992	USGS-NWIS	392.1	134.80	257.30	N/A	Unknown
26	12/26/1982	USGS-NWIS	562.6	300.00	262.60	N/A	Irrigation
26	2/13/1992	USGS-NWIS	562.6	270.28	292.32	N/A	Irrigation
26	3/15/2000	USGS-NWIS	562.6	269.85	292.75	N/A	Irrigation
26	9/23/2009	WorleyParsons	562.6	282.00	280.60	N/A	Irrigation
27	6/19/1961	DWR, 1963	555	258.83	296.17	N/A	Unused
28	6/19/1961	DWR, 1963	520	21.65	498.35	N/A	Unused
29	1/16/1983	USGS-NWIS	545.9	270.00	275.90	N/A	Irrigation
29	2/13/1992	USGS-NWIS	545.9	257.61	288.29	N/A	Irrigation
29	3/15/2000	USGS-NWIS	545.9	257.22	288.68	N/A	Irrigation
29	9/23/2009	WorleyParsons	545.9	250.00	295.90	N/A	Irrigation
29	4/28/2011	USGS-NWIS	545.9	257.83	288.07	N/A	Irrigation
31	9/16/1990	USGS-NWIS	423.9	144.25	279.65	N/A	Unused
31	3/29/2000	USGS-NWIS	423.9	144.41	279.49	N/A	Unused
32	6/12/1961	USGS-NWIS	418	151.83	266.17	N/A	Unused
32	10/10/1961	USGS-NWIS	418	151.09	266.91	N/A	Unused
32	11/8/1961	USGS-NWIS	418	151.03	266.97	N/A	Unused
32	1/10/1962	USGS-NWIS	418	151.04	266.96	N/A	Unused
32	3/8/1962	USGS-NWIS	418	150.89	267.11	N/A	Unused
32	4/9/1962	USGS-NWIS	418	150.73	267.27	N/A	Unused
32	5/7/1962	USGS-NWIS	418	150.83	267.17	N/A	Unused
32	10/31/1962	USGS-NWIS	418	150.90	267.10	N/A	Unused
32	3/13/1963	USGS-NWIS	418	150.84	267.16	N/A	Unused
32	10/31/1963	USGS-NWIS	418	150.91	267.09	N/A	Unused
32	3/19/1964	USGS-NWIS	418	150.77	267.23	N/A	Unused
32	11/25/1964	USGS-NWIS	418	151.13	266.87	N/A	Unused
32	3/18/1965	USGS-NWIS	418	151.21	266.79	N/A	Unused
32	11/18/1965	USGS-NWIS	418	151.40	266.60	N/A	Unused
32	3/2/1966	USGS-NWIS	418	150.66	267.34	N/A	Unused
32	10/27/1966	USGS-NWIS	418	150.89	267.11	N/A	Unused
32	3/16/1967	USGS-NWIS	418	150.92	267.08	N/A	Unused
32	10/25/1967	USGS-NWIS	418	150.86	267.14	N/A	Unused
32	10/23/1969	USGS-NWIS	418	150.89	267.11	N/A	Unused
32	4/30/1970	USGS-NWIS	418	150.95	267.05	N/A	Unused
33	1987	USGS-NWIS	457.5	202.25	255.25	N/A	Unknown
33	9/17/1990	USGS-NWIS	457.5	205.62	251.88	N/A	Unknown
33	2/10/1992	USGS-NWIS	457.5	206.70	250.80	N/A	Unknown
33	2/11/1992	USGS-NWIS	457.5	206.27	251.23	N/A	Unknown

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GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
34	10/8/1992	USGS-NWIS	458.3	213.00	245.30	N/A	Public Water Supply
35	12/1987	USGS-NWIS	456.5	205.00	251.50	N/A	Unknown
35	2/10/1992	USGS-NWIS	456.5	200.50	256.00	N/A	Unknown
35	2/11/1992	USGS-NWIS	456.5	199.07	257.43	N/A	Unknown
35	2/11/1992	USGS-NWIS	456.5	199.60	256.90	N/A	Unknown
36	12/1987	USGS-NWIS	443.5	203.00	240.50	N/A	Public Water Supply
36	9/17/1990	USGS-NWIS	443.5	189.05	254.45	N/A	Public Water Supply
36	2/10/1992	USGS-NWIS	443.5	187.70	255.80	N/A	Public Water Supply
36	2/10/1992	USGS-NWIS	443.5	186.20	257.30	N/A	Public Water Supply
36	3/16/2000	USGS-NWIS	443.5	199.24	244.26	N/A	Public Water Supply
37	7/1/1981	Kennedy/Jenks/Chilton	433.09	163.00	270.09	N/A	Irrigation (abandoned)
37	2/11/1992		433.09	174.47	258.62	N/A	Irrigation (abandoned)
39	4/5/1961	USGS-NWIS	442.9	168.37	274.53	N/A	Irrigation
39	4/30/1970	USGS-NWIS	442.9	171.81	271.09	N/A	Irrigation
39	7/31/1979	USGS-NWIS	442.9	173.48	269.42	N/A	Irrigation
39	7/24/1980	USGS-NWIS	442.9	169.06	273.84	N/A	Irrigation
39	1/23/1981	USGS-NWIS	442.9	169.22	273.68	N/A	Irrigation
39	9/23/1981	USGS-NWIS	442.9	169.23	273.67	N/A	Irrigation
39	3/3/1982	USGS-NWIS	442.9	170.26	272.64	N/A	Irrigation
39	1/28/1983	USGS-NWIS	442.9	170.54	272.36	N/A	Irrigation
39	7/31/1984	USGS-NWIS	442.9	170.65	272.25	N/A	Irrigation
39	2/27/1985	USGS-NWIS	442.9	171.10	271.80	N/A	Irrigation
39	6/12/1985	USGS-NWIS	442.9	172.90	270.00	N/A	Irrigation
39	2/9/1992	USGS-NWIS	442.9	183.46	259.44	N/A	Irrigation
40	10/30/1992	USGS-NWIS	449.4	193.00	256.40	N/A	Public Water Supply
41	10/19/1992	USGS-NWIS	453.6	202.00	251.60	N/A	Public Water Supply
42	1/1/1982	Kennedy/Jenks/Chilton	470	197.00	273.00	N/A	Irrigation
43	3/15/1982		505.6	248.00	257.60	N/A	Irrigation
43	2/13/1992	USGS-NWIS	505.6	232.35	273.25	N/A	Irrigation
43	3/29/2000	USGS-NWIS	505.6	234.50	271.10	N/A	Baseline
43	10/5/2000	USGS-NWIS	505.6	234.84	270.76	N/A	Irrigation
43	1/10/2001	USGS-NWIS	505.6	234.89	270.71	N/A	Irrigation
43	2/23/2001	USGS-NWIS	505.6	234.45	271.15	N/A	Irrigation
43	4/16/2001	USGS-NWIS	505.6	234.82	270.78	N/A	Irrigation
43	4/16/2001	USGS-NWIS	505.6	234.82	270.78	N/A	Irrigation
43	7/10/2001	USGS-NWIS	505.6	235.40	270.20	N/A	Irrigation
43	11/7/2001	USGS-NWIS	505.6	235.66	269.94	N/A	Irrigation
43	11/7/2001	USGS-NWIS	505.6	235.69	269.91	N/A	Irrigation
43	4/3/2002	USGS-NWIS	505.6	234.69	270.91	N/A	Irrigation
43	4/3/2002	USGS-NWIS	505.6	234.69	270.91	N/A	Irrigation
43	10/2/2002	USGS-NWIS	505.6	236.04	269.56	N/A	Irrigation
43	10/2/2002	USGS-NWIS	505.6	236.16	269.44	N/A	Irrigation
43	6/3/2003	USGS-NWIS	505.6	235.59	270.01	N/A	Irrigation
43	6/3/2003	USGS-NWIS	505.6	235.61	269.99	N/A	Irrigation
43	11/5/2003	USGS-NWIS	505.6	236.46	269.14	N/A	Irrigation
43	11/5/2003	USGS-NWIS	505.6	236.45	269.15	N/A	Irrigation
43	3/2/2004	USGS-NWIS	505.6	235.65	269.95	N/A	Irrigation
43	3/2/2004	USGS-NWIS	505.6	235.63	269.97	N/A	Irrigation
43	8/4/2004	USGS-NWIS	505.6	235.85	269.75	N/A	Irrigation
43	12/8/2004	USGS-NWIS	505.6	235.78	269.82	N/A	Irrigation
43	4/15/2005	USGS-NWIS	505.6	235.28	270.32	N/A	Irrigation
43	8/31/2005	USGS-NWIS	505.6	235.89	269.71	N/A	Irrigation
43	8/31/2005	USGS-NWIS	505.6	235.84	269.76	N/A	Irrigation
43	2/14/2006	USGS-NWIS	505.6	235.78	269.82	N/A	Irrigation
43	2/14/2006	USGS-NWIS	505.6	235.79	269.81	N/A	Irrigation
43	5/5/2006	USGS-NWIS	505.6	236.38	269.22	N/A	Irrigation
43	5/5/2006	USGS-NWIS	505.6	236.39	269.21	N/A	Irrigation
43	8/10/2006	USGS-NWIS	505.6	236.66	268.94	N/A	Irrigation
43	8/10/2006	USGS-NWIS	505.6	236.66	268.94	N/A	Irrigation
43	12/8/2006	USGS-NWIS	505.6	236.57	269.03	N/A	Irrigation
43	12/8/2006	USGS-NWIS	505.6	236.57	269.03	N/A	Irrigation
43	2/7/2007	USGS-NWIS	505.6	236.16	269.44	N/A	Irrigation
43	2/7/2007	USGS-NWIS	505.6	236.16	269.44	N/A	Irrigation
43	5/17/2007	USGS-NWIS	505.6	236.55	269.05	N/A	Irrigation
43	5/17/2007	USGS-NWIS	505.6	236.56	269.04	N/A	Irrigation
43	9/5/2007	USGS-NWIS	505.6	236.91	268.69	N/A	Irrigation
43	9/5/2007	USGS-NWIS	505.6	236.91	268.69	N/A	Irrigation
43	9/5/2007	USGS-NWIS	505.6	236.91	268.69	N/A	Irrigation
43	12/13/2007	USGS-NWIS	505.6	236.55	269.05	N/A	Irrigation
43	12/13/2007	USGS-NWIS	505.6	236.54	269.06	N/A	Irrigation
43	3/19/2008	USGS-NWIS	505.6	235.65	269.95	N/A	Irrigation
43	3/19/2008	USGS-NWIS	505.6	235.64	269.96	N/A	Irrigation
43	3/19/2008	USGS-NWIS	505.6	235.67	269.93	N/A	Irrigation

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Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
43	6/25/2008	USGS-NWIS	505.6	235.62	269.98	N/A	Irrigation
43	6/25/2008	USGS-NWIS	505.6	235.60	270.00	N/A	Irrigation
43	9/24/2008	USGS-NWIS	505.6	235.73	269.87	N/A	Irrigation
43	9/24/2008	USGS-NWIS	505.6	235.73	269.87	N/A	Irrigation
43	9/24/2008	USGS-NWIS	505.6	235.72	269.88	N/A	Irrigation
43	1/14/2009	USGS-NWIS	505.6	235.25	270.35	N/A	Irrigation
43	1/14/2009	USGS-NWIS	505.6	235.26	270.34	N/A	Irrigation
43	4/16/2009	USGS-NWIS	505.6	235.28	270.32	N/A	Irrigation
43	4/16/2009	USGS-NWIS	505.6	235.29	270.31	N/A	Irrigation
43	7/30/2009	USGS-NWIS	505.6	235.80	269.80	N/A	Irrigation
43	7/30/2009	USGS-NWIS	505.6	235.79	269.81	N/A	Irrigation
43	10/29/2009	USGS-NWIS	505.6	235.61	269.99	N/A	Irrigation
43	10/29/2009	USGS-NWIS	505.6	235.60	270.00	N/A	Irrigation
43	1/20/2010	USGS-NWIS	505.6	235.98	269.62	N/A	Irrigation
43	1/20/2010	USGS-NWIS	505.6	235.99	269.61	N/A	Irrigation
43	4/23/2010	USGS-NWIS	505.6	235.26	270.34	N/A	Irrigation
43	4/23/2010	USGS-NWIS	505.6	235.26	270.34	N/A	Irrigation
43	7/22/2010	USGS-NWIS	505.6	235.67	269.93	N/A	Irrigation
43	11/4/2010	USGS-NWIS	505.6	235.71	269.89	N/A	Irrigation
43	11/4/2010	USGS-NWIS	505.6	235.73	269.87	N/A	Irrigation
43	1/13/2011	USGS-NWIS	505.6	235.27	270.33	N/A	Irrigation
43	4/28/2011	USGS-NWIS	505.6	235.12	270.48	N/A	Irrigation
43	10/18/2011	USGS-NWIS	505.6	235.48	270.12	N/A	Irrigation
43	5/9/2012	USGS-NWIS	505.6	235.25	270.35	N/A	Irrigation
43	5/11/2012	USGS-NWIS	505.6	235.24	270.36	N/A	Irrigation
43	10/5/2012	USGS-NWIS	505.6	235.65	269.95	N/A	Irrigation
43	2/12/2013	USGS-NWIS	505.6	235.36	270.24	N/A	Irrigation
43	8/29/2013	USGS-NWIS	505.6	235.62	269.98	N/A	Irrigation
43	11/21/2013	USGS-NWIS	505.6	235.36	270.24	N/A	Irrigation
43	5/7/2014	USGS-NWIS	505.6	235.08	270.52	N/A	Irrigation
43	12/19/2014	USGS-NWIS	505.6	235.35	270.25	N/A	Irrigation
43	4/7/2015	USGS-NWIS	505.6	235.17	270.43	N/A	Irrigation
43	9/2/2015	USGS-NWIS	505.6	235.12	270.48	N/A	Irrigation
43	1/26/2016	USGS-NWIS	505.6	234.89	270.71	N/A	Irrigation
43	3/23/2016	USGS-NWIS	505.6	234.76	270.84	N/A	Irrigation
43	6/15/2016	USGS-NWIS	505.6	234.74	270.86	N/A	Irrigation
43	10/19/2016	USGS-NWIS	505.6	234.94	270.66	N/A	Irrigation
43	1/24/2017	USGS-NWIS	505.6	234.63	270.97	N/A	Irrigation
43	5/23/2017	USGS-NWIS	505.6	234.67	270.93	N/A	Irrigation
43	8/22/2017	USGS-NWIS	505.6	235.13	270.47	N/A	Irrigation
43	12/5/2017	USGS-NWIS	505.6	234.99	270.61	N/A	Irrigation
43	3/14/2018	USGS-NWIS	505.6	234.59	271.01	N/A	Irrigation
43	5/29/2018	USGS-NWIS	505.6	234.83	270.77	N/A	Irrigation
43	9/4/2018	USGS-NWIS	505.6	235.27	270.33	N/A	Irrigation
43	11/14/2018	USGS-NWIS	505.6	235.54	270.06	N/A	Irrigation
43	3/18/2019	USGS-NWIS	505.6	235.21	270.39	N/A	Irrigation
43	6/12/2019	USGS-NWIS	505.6	235.60	270.00	N/A	Irrigation
43	8/21/2019	USGS-NWIS	505.6	235.36	270.24	N/A	Irrigation
43	11/6/2019	USGS-NWIS	505.6	235.18	270.42	N/A	Irrigation
43	3/19/2020	USGS-NWIS	505.6	234.87	270.73	N/A	Irrigation
43	5/27/2020	USGS-NWIS	505.6	234.94	270.66	N/A	Irrigation
43	8/26/2020	USGS-NWIS	505.6	234.92	270.68	N/A	Irrigation
43	10/19/2020	USGS-NWIS	505.6	235.17	270.43	N/A	Irrigation
43	3/31/2021	USGS-NWIS	505.6	234.88	270.72	N/A	Irrigation
43	6/2/2021	USGS-NWIS	505.6	234.85	270.75	N/A	Irrigation
43	9/1/2021	USGS-NWIS	505.6	235.00	270.60	N/A	Irrigation
43	12/27/2021	USGS-NWIS	505.6	235.02	270.58	N/A	Irrigation
43	3/24/2022	USGS-NWIS	505.6	235.28	270.32	N/A	Irrigation
43	6/21/2022	USGS-NWIS	505.6	235.16	270.44	N/A	Irrigation
43	12/15/2022	USGS-NWIS	505.6	235.05	270.55	N/A	Irrigation
43	2/27/2023	USGS-NWIS	505.6	234.72	270.88	N/A	Irrigation
43	5/23/2023	USGS-NWIS	505.6	234.88	270.72	N/A	Irrigation
43	8/29/2023	USGS-NWIS	505.6	234.85	270.75	N/A	Irrigation
43	12/21/2023	USGS-NWIS	505.6	235.23	270.37	N/A	Irrigation
43	4/4/2024	USGS-NWIS	505.6	234.82	270.78	N/A	Irrigation
43	6/5/2024	USGS-NWIS	505.6	234.86	270.74	N/A	Irrigation
43	9/11/2024	USGS-NWIS	505.6	234.73	270.87	N/A	Irrigation
43	12/11/2024	USGS-NWIS	505.6	234.68	270.92	N/A	Irrigation
43	4/17/2025	USGS-NWIS	505.6	234.16	271.44	N/A	Irrigation
43	6/17/2025	USGS-NWIS	505.6	234.13	271.47	N/A	Irrigation
43	12/4/2025	USGS-NWIS	505.6	234.35	271.25	N/A	Irrigation
44	11/29/1989	USGS-NWIS	505.3	234.00	271.30	N/A	Irrigation

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
47	2/14/1984	USGS-NWIS	580.90	300.00	280.90	N/A	Unknown
47	9/28/1990	USGS-NWIS	580.90	299.61	281.29	N/A	Unknown
47	2/9/1992	USGS-NWIS	580.90	299.69	281.21	N/A	Unknown
47	3/30/2000	USGS-NWIS	580.90	300.05	280.85	N/A	Unknown
50	4/7/1961	USGS-NWIS	566	189.85	376.15	N/A	Unknown
50	4/20/1961	USGS-NWIS	566	189.98	376.02	N/A	Unknown
54	5/1/1985	USGS-NWIS	654.5	360.00	294.50	N/A	Unknown
54	9/28/1990	USGS-NWIS	654.5	369.19	285.31	N/A	Unknown
54	2/10/1992	USGS-NWIS	654.5	369.15	285.35	N/A	Unknown
54	3/30/2000	USGS-NWIS	654.5	369.08	285.42	N/A	Unknown
55	1/23/2012	USGS-NWIS	415.4	162.60	252.80	N/A	Exploratory
55	5/9/2012	USGS-NWIS	415.4	162.57	252.83	N/A	Exploratory
55	9/2/2015	USGS-NWIS	415.4	161.88	253.52	N/A	Exploratory
55	1/26/2016	USGS-NWIS	415.4	161.42	253.98	N/A	Exploratory
55	3/23/2016	USGS-NWIS	415.4	161.43	253.97	N/A	Exploratory
55	6/15/2016	USGS-NWIS	415.4	161.37	254.03	N/A	Exploratory
55	10/19/2016	USGS-NWIS	415.4	161.63	253.77	N/A	Exploratory
55	1/24/2017	USGS-NWIS	415.4	161.31	254.09	N/A	Exploratory
55	5/23/2017	USGS-NWIS	415.4	161.37	254.03	N/A	Exploratory
55	8/22/2017	USGS-NWIS	415.4	161.89	253.51	N/A	Exploratory
55	12/5/2017	USGS-NWIS	415.4	161.47	253.93	N/A	Exploratory
55	3/14/2018	USGS-NWIS	415.4	161.24	254.16	N/A	Exploratory
55	5/29/2018	USGS-NWIS	415.4	161.51	253.89	N/A	Exploratory
55	9/4/2018	USGS-NWIS	415.4	162.08	253.32	N/A	Exploratory
55	11/14/2018	USGS-NWIS	415.4	162.04	253.36	N/A	Exploratory
55	3/18/2019	USGS-NWIS	415.4	161.82	253.58	N/A	Exploratory
55	6/12/2019	USGS-NWIS	415.4	162.24	253.16	N/A	Exploratory
55	8/21/2019	USGS-NWIS	415.4	162.06	253.34	N/A	Exploratory
55	11/7/2019	USGS-NWIS	415.4	161.70	253.70	N/A	Exploratory
55	3/19/2020	USGS-NWIS	415.4	161.31	254.09	N/A	Exploratory
55	5/27/2020	USGS-NWIS	415.4	161.54	253.86	N/A	Exploratory
55	8/27/2020	USGS-NWIS	415.4	161.63	253.77	N/A	Exploratory
55	10/20/2020	USGS-NWIS	415.4	161.85	253.55	N/A	Exploratory
55	3/31/2021	USGS-NWIS	415.4	161.15	254.25	N/A	Exploratory
55	6/2/2021	USGS-NWIS	415.4	161.38	254.02	N/A	Exploratory
55	9/1/2021	USGS-NWIS	415.4	161.60	253.80	N/A	Exploratory
55	12/27/2021	USGS-NWIS	415.4	161.41	253.99	N/A	Exploratory
55	3/24/2022	USGS-NWIS	415.4	161.63	253.77	N/A	Exploratory
55	6/21/2022	USGS-NWIS	415.4	161.62	253.78	N/A	Exploratory
55	12/15/2022	USGS-NWIS	415.4	161.19	254.21	N/A	Exploratory
55	2/28/2023	USGS-NWIS	415.4	160.93	254.47	N/A	Exploratory
55	5/23/2023	USGS-NWIS	415.4	161.21	254.19	N/A	Exploratory
55	12/21/2023	USGS-NWIS	415.4	161.46	253.94	N/A	Exploratory
55	4/4/2024	USGS-NWIS	415.4	160.98	254.42	N/A	Exploratory
55	6/5/2024	USGS-NWIS	415.4	160.99	254.41	N/A	Exploratory
55	9/11/2024	USGS-NWIS	415.4	160.84	254.56	N/A	Exploratory
55	12/11/2024	USGS-NWIS	415.4	160.60	254.80	N/A	Exploratory
55	4/17/2025	USGS-NWIS	415.4	160.14	255.26	N/A	Exploratory
55	6/17/2025	USGS-NWIS	415.4	160.31	255.09	N/A	Exploratory
55	9/9/2025	USGS-NWIS	415.4	160.60	254.80	N/A	Exploratory
56	1/23/2012	USGS-NWIS	415.4	159.69	255.71	N/A	Exploratory
56	5/9/2012	USGS-NWIS	415.4	159.89	255.51	N/A	Exploratory
56	1/26/2016	USGS-NWIS	415.4	159.71	255.69	N/A	Exploratory
56	3/23/2016	USGS-NWIS	415.4	159.63	255.77	N/A	Exploratory
56	6/15/2016	USGS-NWIS	415.4	159.58	255.82	N/A	Exploratory
56	10/19/2016	USGS-NWIS	415.4	159.57	255.83	N/A	Exploratory
56	1/24/2017	USGS-NWIS	415.4	159.57	255.83	N/A	Exploratory
56	5/23/2017	USGS-NWIS	415.4	159.38	256.02	N/A	Exploratory
56	8/22/2017	USGS-NWIS	415.4	159.53	255.87	N/A	Exploratory
56	12/5/2017	USGS-NWIS	415.4	159.55	255.85	N/A	Exploratory
56	3/14/2018	USGS-NWIS	415.4	159.29	256.11	N/A	Exploratory
56	5/29/2018	USGS-NWIS	415.4	159.30	256.10	N/A	Exploratory
56	9/4/2018	USGS-NWIS	415.4	159.40	256.00	N/A	Exploratory
56	11/14/2018	USGS-NWIS	415.4	159.75	255.65	N/A	Exploratory
56	3/18/2019	USGS-NWIS	415.4	159.38	256.02	N/A	Exploratory
56	6/12/2019	USGS-NWIS	415.4	159.53	255.87	N/A	Exploratory
56	8/21/2019	USGS-NWIS	415.4	159.40	256.00	N/A	Exploratory
56	11/7/2019	USGS-NWIS	415.4	159.44	255.96	N/A	Exploratory
56	3/19/2020	USGS-NWIS	415.4	159.32	256.08	N/A	Exploratory
56	5/27/2020	USGS-NWIS	415.4	159.34	256.06	N/A	Exploratory
56	8/27/2020	USGS-NWIS	415.4	159.23	256.17	N/A	Exploratory
56	10/20/2020	USGS-NWIS	415.4	159.36	256.04	N/A	Exploratory

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
 Genesis Solar Energy Project, Riverside County, California

Well ID	Date	Source	Top of Casing Elevation (feet amsl) ¹	Depth to Water (feet below TOC)	Groundwater Elevation (feet amsl)	Difference from Baseline (feet)	Comments / Use
56	3/31/2021	USGS-NWIS	415.4	159.39	256.01	N/A	Exploratory
56	6/2/2021	USGS-NWIS	415.4	159.27	256.13	N/A	Exploratory
56	9/1/2021	USGS-NWIS	415.4	159.20	256.20	N/A	Exploratory
56	12/27/2021	USGS-NWIS	415.4	159.21	256.19	N/A	Exploratory
56	3/24/2022	USGS-NWIS	415.4	159.37	256.03	N/A	Exploratory
56	6/21/2022	USGS-NWIS	415.4	159.38	256.02	N/A	Exploratory
56	12/15/2022	USGS-NWIS	415.4	159.30	256.10	N/A	Exploratory
56	2/28/2023	USGS-NWIS	415.4	159.20	256.20	N/A	Exploratory
56	5/23/2023	USGS-NWIS	415.4	159.13	256.27	N/A	Exploratory
56	12/21/2023	USGS-NWIS	415.4	159.07	256.33	N/A	Exploratory
56	4/4/2024	USGS-NWIS	415.4	159.09	256.31	N/A	Exploratory
56	6/5/2024	USGS-NWIS	415.4	159.06	256.34	N/A	Exploratory
56	9/11/2024	USGS-NWIS	415.4	158.93	256.47	N/A	Exploratory
56	12/11/2024	USGS-NWIS	415.4	159.22	256.18	N/A	Exploratory
56	4/17/2025	USGS-NWIS	415.4	158.80	256.60	N/A	Exploratory
56	6/17/2025	USGS-NWIS	415.4	158.91	256.49	N/A	Exploratory
56	9/9/2025	USGS-NWIS	415.4	158.91	256.49	N/A	Exploratory
57	1/23/2012	USGS-NWIS	415.4	154.20	261.20	N/A	Exploratory
57	5/9/2012	USGS-NWIS	415.4	154.28	261.12	N/A	Exploratory
57	9/2/2015	USGS-NWIS	415.4	153.39	262.01	N/A	Exploratory
57	3/23/2016	USGS-NWIS	415.4	153.29	262.11	N/A	Exploratory
57	6/15/2016	USGS-NWIS	415.4	153.15	262.25	N/A	Exploratory
57	10/19/2016	USGS-NWIS	415.4	153.08	262.32	N/A	Exploratory
57	1/24/2017	USGS-NWIS	415.4	153.12	262.28	N/A	Exploratory
57	5/23/2017	USGS-NWIS	415.4	152.78	262.62	N/A	Exploratory
57	8/22/2017	USGS-NWIS	415.4	152.73	262.67	N/A	Exploratory
57	12/5/2017	USGS-NWIS	415.4	152.66	262.74	N/A	Exploratory
57	3/14/2018	USGS-NWIS	415.4	152.49	262.91	N/A	Exploratory
57	5/29/2018	USGS-NWIS	415.4	152.35	263.05	N/A	Exploratory
57	9/4/2018	USGS-NWIS	415.4	152.37	263.03	N/A	Exploratory
57	11/14/2018	USGS-NWIS	415.4	152.24	263.16	N/A	Exploratory
57	3/18/2019	USGS-NWIS	415.4	152.09	263.31	N/A	Exploratory
57	6/12/2019	USGS-NWIS	415.4	152.00	263.40	N/A	Exploratory
57	8/21/2019	USGS-NWIS	415.4	151.95	263.45	N/A	Exploratory
57	11/7/2019	USGS-NWIS	415.4	151.83	263.57	N/A	Exploratory
57	3/19/2020	USGS-NWIS	415.4	151.85	263.55	N/A	Exploratory
57	5/27/2020	USGS-NWIS	415.4	151.60	263.80	N/A	Exploratory
57	8/27/2020	USGS-NWIS	415.4	151.49	263.91	N/A	Exploratory
57	10/20/2020	USGS-NWIS	415.4	151.44	263.96	N/A	Exploratory
57	3/31/2021	USGS-NWIS	415.4	151.37	264.03	N/A	Exploratory
57	6/2/2021	USGS-NWIS	415.4	151.17	264.23	N/A	Exploratory
57	9/1/2021	USGS-NWIS	415.4	151.10	264.30	N/A	Exploratory
57	12/27/2021	USGS-NWIS	415.4	150.94	264.46	N/A	Exploratory
57	3/24/2022	USGS-NWIS	415.4	150.87	264.53	N/A	Exploratory
57	6/21/2022	USGS-NWIS	415.4	150.78	264.62	N/A	Exploratory
57	12/15/2022	USGS-NWIS	415.4	150.55	264.85	N/A	Exploratory
57	2/28/2023	USGS-NWIS	415.4	150.45	264.95	N/A	Exploratory
57	5/23/2023	USGS-NWIS	415.4	150.34	265.06	N/A	Exploratory
57	12/21/2023	USGS-NWIS	415.4	150.13	265.27	N/A	Exploratory
57	4/4/2024	USGS-NWIS	415.4	149.85	265.55	N/A	Exploratory
57	6/5/2024	USGS-NWIS	415.4	149.92	265.48	N/A	Exploratory
57	9/11/2024	USGS-NWIS	415.4	149.71	265.69	N/A	Exploratory
57	12/11/2024	USGS-NWIS	415.4	149.64	265.76	N/A	Exploratory
57	4/17/2025	USGS-NWIS	415.4	149.44	265.96	N/A	Exploratory
57	6/17/2025	USGS-NWIS	415.4	149.45	265.95	N/A	Exploratory
57	9/9/2025	USGS-NWIS	415.4	149.30	266.10	N/A	Exploratory

Notes:

amsl = above mean sea level

TOC = top of casing

1. Wells were surveyed on February 8 & 9, 2011. Top of Casing elevation for all other wells are approximate.
2. No data was collected due to equipment or software malfunction
3. Sounding tube is blocked with concrete
4. Well not accessible - Unknown lock on well
5. Well not accessible - Steel plate welded over well
6. Due to loss of configuration file and calibration data following the 1st Quarter 2014 monitoring event, the OBS-2 buried transducers are no longer accessible.
7. Well not accessible - Access agreement issue
8. Well pumped by others on 10/10/17 at 250-300 gpm; water level at time of monitoring was 128.75 ft bgs / 259.39 ft amsl.
9. Sounding port obstructed

TABLE 3
MOST RECENT GROUNDWATER QUALITY MONITORING DATA
 Genesis Solar Energy Project, Riverside, California

Well ID	Date	Groundwater Purging			Field Parameters					
		Rate of Groundwater Discharge (mL/min)	Purging Method	Total Volume Purged (mL)	Temperature (°C)	pH	Conductivity (mS/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)
23a	12/4/2025	N/A	Bailer	5,750	28.9	8.63	3.2	111.0	+134	2.80
OBS-1	12/4/2025	N/A	Bailer	5,750	26.4	8.59	26.0	51.1	+56	4.02
TW-1	12/4/2025	N/A	Bailer	5,750	26.5	10.46	19.1	223	-164	4.63
TW-2	12/4/2025	N/A	Bailer	5,750	28.6	9.42	5.8	240	-188	5.82
PW-0	12/4/2025	N/A	Production Pump	N/A ²	28.5	8.01	6.8	66.1	-68	4.72
PW-1	12/4/2025	N/A	N/A	N/A ¹	--	--	--	--	--	--
PW-2	12/4/2025	N/A	Production Pump	N/A ²	40.7	8.11	4.1	38.4	+29	3.03
DM-1	12/4/2025	180	Bladder Pump	5,400	24.8	7.83	18.6	131.0	+138	8.15
DM-2	12/4/2025	138	Bladder Pump	3,450	23.0	7.74	18.7	84.4	+139	8.40
DM-3	12/4/2025	143	Bladder Pump	3,575	25.3	7.79	18.3	27.0	+123	7.03

NOTES:

mL = milliLiters

mL/min = milliLiters per minute

mS/cm = milliSiemens per centimeter

NTU = Nephelometric Turbidity Units

DO = Dissolved Oxygen

mg/L = milligrams per Liter

°C = degrees Celsius

mV = millivolts

N/A = Not Applicable or Not Available

-- = Not Measured

1. Not sampled - well not accessible

2. Well was sampled during continuous production pumping and therefore purging was not necessary.

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Genesis Solar Energy Project

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TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Genesis Solar Energy Project

			Chloride (mg/L)	Sulfate (SO4) (mg/L)	Nitrate (NO3) (mg/L)	Calcium (mg/L)	Copper (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Iron (mg/L)	Magnesium (mg/L)	Antimony (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Cadmium (ug/L)	Chromium (All Species) (ug/L)	Cobalt (ug/L)	Lead (ug/L)	Manganese (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Zinc (ug/L)	Mercury (ug/L)	Total Dissolved Solids (mg/L)	Specific Conductance (us/cm)	pH (standard Units)	Oil & Grease / HEM (mg/L)	HTF ¹ (mg/L)	Deuterium (% relative to VSMOW)	Oxygen-18 (% relative to VSMOW)			
Well ID	Date Sampled	Sampling Method	EPA Method 300.0			EPA Method 200.7						EPA Method 200.8														SM7470A	SM2540C	SM2510B	SM4500H	SM1664A	8015B	Isotope Geochemistry	
TW-2	6/3/2025	Bailer	1,630	419	<0.500	91	<0.50	1,300	<50	<20	<10	<10	<10	38	<10	<10	<10	<10	<10	-	<10	<10	29	<1.0	3,200	5,910	9.4	<5.0	<0.098	-75.60	-9.88		
TW-2	12/4/2025	Bailer	1,630	467	<0.500	81	<0.50	1,100	<50	<20	<10	<20	<20	29	<20	<20	<20	<20	<20	-	<20	<20	<20	<1.0	3,400	5,750	9.2	<5.0	<0.097	-76.90	-10.19		
OBS-1	11/10/2010	Low Flow	8,300	9,400	0.78	450	0.036	6,500	25	2.4	110	-	-	-	-	-	-	-	59	-	-	-	-	20,000	23,000	7.7	-	-	-62.90	-6.88			
OBS-1	6/8/2011	Low Flow	6,600	6,800	0.81	460	<0.010	5,800	26	2.3	94	-	-	-	-	-	-	60	-	-	-	-	19,000	32,000	7.7	-	-	-63.10	-6.82				
OBS-1	6/8/2011	Low Flow	6,600	6,800	0.64	470	<0.010	5,800	25	2.3	91	-	-	-	-	-	-	71	-	-	-	-	19,000	31,000	7.7	-	-	-62.70	-6.86				
OBS-1	12/13/2011	Low Flow	6,300	6,700	1.4	430	0.0051	6,500	34	0.4	91	-	-	-	-	-	-	-	-	-	-	-	21,000	27,000	7.8	-	-	-60.90	-6.80				
OBS-1	12/13/2011	Hydrasleeve	6,200	6,500	1.4	400	0.0045	6,300	32	0.35	87	-	-	-	-	-	-	-	-	-	-	-	20,000	28,000	7.8	-	-	-61.40	-6.90				
OBS-1	5/23/2012	Hydrasleeve	6,400	7,000	1.9	380	<0.010	7,200	33	<0.040	73	-	-	-	-	-	-	-	-	-	-	-	21,000	36,000	7.9	-	-	-62.80	-6.90				
OBS-1	10/23/2012	Hydrasleeve	6,400	6,700	<2.2	400	<0.010	6,200	31	<0.040	89	-	-	-	-	-	-	-	-	-	-	-	21,000	36,000	7.3	-	-	-64.30	-6.80				
OBS-1	5/20/2014	Hydrasleeve	6,300	5,700	-	330	<0.020	5,500	27	<0.040	77	<10	<5.0	13	<5.0	<10	<5.0	<5.0	4.9 ^j	4.7 ^j	58	<100	<0.20	17,000	30,000	7.9	<4.7	-	-59.93	-7.03			
OBS-1	12/4/2014	Hydrasleeve	5,400	4,900	4.3 ^j	330	<0.050	6,100	27	<0.20	87	<10	2.8 ^j	13	<5.0	<10	<5.0	<5.0	2.5 ^j	6.8 ^j	59	18 ^j	<0.20	17,000	26,000	8.0	<4.7	<0.094	-62.20	-6.71			
OBS-1	6/11/2015	Hydrasleeve	5,900	5,600	<5.5	310	<0.10	5,600	24	<0.40	81	<10	<5.0	13	<5.0	<10	<5.0	<5.0	5.5	3.9 ^j	60	13 ^j	<0.20	18,000	31,000	8.0	<4.7	<0.099	-60.20	-6.72			
OBS-1	12/10/2015	Hydrasleeve	6,200	5,600	<5.5	330	<0.010	5,600	24	<0.040	81	<10	2.7 ^j	17	<5.0	<10	<5.0	<5.0	6.2	<10	72	<100	<0.20	18,000	30,000	7.9	<5.0	<0.094	-61.20	-6.87			
OBS-1	6/2/2016	Hydrasleeve	5,500	4,800	7.3	290	<0.10	5,500	22	0.34 ^j	82	1.6 ^j	2.4	13	0.34 ^j	0.63 ^j	<1.0	<1.0	5.1	0.87 ^j	67	5.2 ^j	<0.20	18,000	30,000	8.0	<4.7	<0.096	-60.14	-6.75			
OBS-1	11/30/2016	Hydrasleeve	6,100	5,800	<5.5	320	<0.010	5,400	28	<0.040	86	<20	<10	12	<10	<20	<10	<10	<10	<20	70	<200	<0.20	18,000	23,000	7.9	<4.7	<0.093	-61.30	-6.68			
OBS-1	6/1/2017	Hydrasleeve	5,200	5,200	<11	330	<0.10	5,900	25	<1.0	87	<10	3.4 ^j	14	<5.0	<10	<5.0	<5.0	3.2 ^j	3.6 ^j	51	<100	<0.20	18,000	21,000	8.0	<5.1	<0.094	-60.70	-6.68			
OBS-1	12/5/2017	Hydrasleeve	5,380	4,890	9.69	330	<0.025	2,200	46	<0.035	90	<5.0	<5.0	15	<5.0	<5.0	<5.0	<5.0	-	<5.0	94	<5.0	<0.50	18,000	23,200	7.9	6.21	<0.10	-59.01	-7.11			
OBS-1	6/1/2018	Bailer	6,040	5,520	12.4	320	0.10 ^j	6,700	75	<10	87	<0.5	<5.0	7.8	<0.5	<0.5	<0.5	<0.5	-	<5.0	57	5.8	<0.50	16,000	23,600	8.0	<5.0	<0.11	-60.90	-6.84			
OBS-1	12/4/2018	Bailer	7,680	7,130	5.52	480	<0.5	12,000	63	<20	140	<10	<10	14	<10	<10	<10	<10	-	<10	80	<10	<0.50	17,000	23,600	7.9	<5.0	<0.10	-61.40	-6.79			
OBS-1	6/13/2019	Bailer	6,070	5,400	5.42	360	0.017	7,700	78	0.53	91	<10	<10	<10	<10	<10	<10	<10	-	<10	<10	-	<0.50	11,000	24,500	7.5	<5.0	<0.10	-60.70	-6.75			
OBS-1	12/5/2019	Bailer	9,710	8,020	9.79	330	0.006	6,700	34	<0.20	93	<5.0	<5.0	15	<5.0	0.10 ^j	<5.0	<5.0	-	<5.0	60	48	<0.50	15,000	23,900	7.7	<5.0	<0.10	-59.50	-6.56			
OBS-1	6/5/2020	Bailer	6,100	5,560	5.07	300	0.006	6,100	62	<0.20	75	<5.0	<5.0	14	<5.0	<5.0	<5.0	<5.0	-	<5.0	89	44	<0.50	16,000	24,500	8.1	<5.0	<0.097	-60.90	-6.78			
OBS-1	12/3/2020	Bailer	6,560	6,200	5.41	320	0.005	3,200	51	1.2	68	<5.0	<5.0	18	<5.0	<5.0	<5.0	<5.0	-	<5.0	7.6	3.7	<0.50	18,000	24,000	7.9	<5.0	<0.11	-60.90	-6.80			
OBS-1	6/4/2021	Bailer	6,340	5,760	5.18	290	<0.50	5,700	62	<20	80	<10	<10	16	<10	<10	<10	<10	-	<10	77	16	<0.50	13,000	24,500	7.8	<5.0	<0.090	-60.20	-6.79			
OBS-1	12/3/2021	Bailer	6,160	5,520	5.55	300	<0.50	6,600	<50	<20	86	<10	10	15	<10	<10	<10	<10	-	<10	66	18	<1.0	11,000	24,500	7.9	<5.0	<0.100	-60.10	-6.77			
OBS-1	6/2/2022	Bailer	6,520	5,890	5.64	300	<0.25	6,300																									

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Genesis Solar Energy Project

			Chloride (mg/L)	Sulfate (SO4) (mg/L)	Nitrate (NO3) (mg/L)	Calcium (mg/L)	Copper (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Iron (mg/L)	Magnesium (mg/L)	Antimony (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Cadmium (ug/L)	Chromium (All Species) (ug/L)	Cobalt (ug/L)	Lead (ug/L)	Manganese (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Zinc (ug/L)	Mercury (ug/L)	Total Dissolved Solids (mg/L)	Specific Conductance (us/cm)	pH (standard Units)	Oil & Grease / HEM (mg/L)	HTF ¹ (mg/L)	Deuterium (% relative to VSMOW)	Oxygen-18 (% relative to VSMOW)			
Well ID	Date Sampled	Sampling Method	EPA Method 300.0			EPA Method 200.7						EPA Method 200.8														SM7470A	SM2540C	SM2510B	SM4500H	SM1664A	8015B	Isotope Geochemistry	
DM-1	5/24/2012	Low Flow	4,600	2,000	3.9	250	<0.10	3,800	23.0	<0.40	56	-	-	-	-	-	-	-	-	-	-	-	-	-	12,000	16,000	7.8	-	-	-65.10	-8.80		
DM-1	10/24/2012	Low Flow	5,400	2,300	<1.1	210	<0.010	3,200	20.0	<0.040	58	-	-	-	-	-	-	-	11	-	-	-	-	-	11,000	18,000	7.8	-	-	-72.10	-8.60		
DM-1	5/22/2014	Low Flow	5,300	2,000	-	240	<0.010	3,700	22	<0.040	54	<10	6.2	52	<5.0	<10	<5.0	<5.0	2.5 ^j	4.6 ^j	3.0 ^j	<100	<0.20	11,000	19,000	7.8	<5.0	-	-68.50	-8.51			
DM-1	5/22/2014 ¹	Low Flow	5,200	2,000	-	230	<0.010	3,600	22	<0.040	53	<10	5.6	50	<5.0	<10	<5.0	<5.0	<5.0	3.9 ^j	3.1 ^j	<100	<0.20	11,000	19,000	7.7	<5.3	-	-69.47	-8.74			
DM-1	12/4/2014	Low Flow	4,800	1,700	2.9	230	<0.050	3,600	21	<0.20	57	<10	7.7	50	<5.0	<10	<5.0	<5.0	<5.0	9.2 ^j	<10	25 ^j	0.15 ^j	11,000	19,000	7.9	<4.7	<0.094	-72.10	-8.75			
DM-1	6/11/2015	Low Flow	4,600	2,000	3.7 ^j	230	<0.10	3,600	21	<0.40	52	<10	3.8 ^j	36	<5.0	2.9 ^j	<5.0	<5.0	3.6 ^j	6.3 ^j	3.6 ^j	<100	0.26	10,000	19,000	7.8	<4.7	<0.10	-69.20	-8.47			
DM-1	12/10/2015	Low Flow	5,300	2,100	4.9 ^j	260	<0.010	3,700	22	<0.040	57	<10	5.6	38	<5.0	<10	<5.0	<5.0	<5.0	<10	5.2 ^j	<100	<0.20	12,000	19,000	7.8	<5.0	<0.094	-70.30	-8.57			
DM-1	6/2/2016	Low Flow	4,700	1,800	7.8	230	<0.10	3,800	18	<0.40	57	<2.0	5.1	31	<1.0	1.9 ^j	<1.0	<1.0	0.99 ^j	1.1 ^j	3.3	2.5 ^j	<0.20	11,000	20,000	7.9	<4.7	<0.094	-69.87	-8.83			
DM-1	11/30/2016	Low Flow	5,200	2,000	<5.5	230	<0.010	3,700	23	<0.040	59	<20	6.7 ^j	31	<10	<20	<10	<10	<10	<10	13 ^j	<200	<0.20	11,000	17,000	7.8	<4.7	<0.093	-70.70	-8.68			
DM-1	6/1/2017	Low Flow	4,600	1,900	4.2 ^j	250	<0.10	4,100	21	<1.0	62	<10	4.8 ^j	28	<5.0	5.9 ^j	<5.0	<5.0	<5.0	7.6 ^j	6.9 ^j	<100	<0.20	11,000	16,000	7.9	<5.1	<0.094	-70.30	-8.57			
DM-1	12/5/2017	Low Flow	7,130	2,770	12.8	230	0.025	1,100	30	<1.0	59	<1.0	6.2	28	<2.5	3.1	<2.5	<2.5	-	<2.5	5.1	6.6	<0.50	10,000	17,200	7.8	<5.0	<0.10	-69.14	-8.90			
DM-1	5/30/2018	Low Flow	5,190	2,030	14.7	270	0.096 ^j	5,200	63	0.78 ^j	64	<0.50	5.0	30	<0.50	<5.0	<0.50	<5.0	-	<5.0	5.9	9.5	<0.50	11,000	17,300	7.9	<5.0	<0.10	-71.10	-8.57			
DM-1	12/4/2018	Low Flow	8,180	3,280	9.00	260	<0.5	4,800	33	<20	68	<10	10	31	<10	<10	<10	<10	-	<10	<10	<10	<0.50	11,000	17,400	7.7	<5.0	<0.10	-70.10	-8.55			
DM-1	6/14/2019	Low Flow	5,040	1,930	8.76	280	0.006	4,800	65	0.35	63	<10	<10	<10	<10	<10	<10	<10	-	<10	<10	-	<0.50	9,600	17,700	7.2	<5.0	<0.10	-70.40	-8.58			
DM-1	12/5/2019	Low Flow	7,460	2,150 ^j	16.3	250	0.004 ^j	4,200	32	<0.20	67	<5.0	0.80 ^j	32	<5.0	2.1 ^j	<5.0	<5.0	-	<5.0	0.80 ^j	47	<0.50	11,000	17,600	7.7	<5.0	<0.10	-70.10	-8.55			
DM-1	6/4/2020	Low Flow	5,500	2,090	8.04	220	0.007	4,300	24	<0.20	53	<5.0	<5.0	33	<5.0	<5.0	<5.0	<5.0	-	<5.0	13	16	<0.50	12,000	17,800	7.3	<5.0	<0.096	-70.30	-8.57			
DM-1	12/3/2020	Low Flow	5,530	2,150	8.50	230	<0.005	9,500	35	<0.20	49	<5.0	<5.0	35	<5.0	<5.0	<5.0	<5.0	-	<5.0	0.87	<0.50	<0.50	12,000	18,000	7.9	<5.0	<0.11	-70.20	-8.57			
DM-1	6/3/2021	Low Flow	5,520	2,050	8.28	220	<0.50	3,800	<50	<20	57	<10	<10	31	<10	<10	<10	<10	-	<10	17	<10	<0.50	8,100	17,800	7.7	<5.0	<0.095	-70.80	-8.62			
DM-1	12/2/2021	Low Flow	5,360	1,930	8.59	230	<0.50	4,200	<50	<20	58	<10	<10	29	<10	<10	<10	<10	-	<10	16	<10	<1.0	14,000	17,800	7.8	<5.0	<0.099	-70.10	-8.58			
DM-1	6/2/2022	Low Flow	5,530	2,070	8.70	240	<2.5	4,500	<250	<100	69	<50	<50	<50	<50	<50	<50	<50	-	<50	52	<50	<1.0	9,300	17,800	7.8	<5.0	<0.095	-70.20	-8.62			
DM-1	12/1/2022	Low Flow	5,130	1,960	7.36	230	<0.005	4,500	58	<0.20	61	<25	<25	26	<25	<25	<25	<25	-	<25	<25	<25	<1.0	11,000	17,900	7.8	<5.0	<0.096	-70.20	-8.62			
DM-1	6/8/2023	Low Flow	5,300	2,000	7.58	240	<0.50	4,100	<50	<20	65	<10	<10	29	<10	<10	<10	<10	-	<10	<10	<1.0	10,000	18,000	7.8	<5.0	<0.097	-69.30	-8.53				
DM-1	12/7/2023	Low Flow	5,290	1,830	7.18	230	<0.50	4,500	<50	<20	65	<25	<25	29	<25	<25	<25	<25	-	<25	<25	<25	<1.0	10,000	18,400	8.2	<5.0	<0.100	-69.80	-8.59			
DM-1	6/6/2024	Low Flow	5,510	1,920	7.81	230	<0.50	4,200	<50	<20	62	<5.0	5.6	25	<5.0	<5.0	<5.0	<5.0	-	<5.0	7.2	8.8	<1.0	10,000	18,600	8.0	<5.0	<0.100	-70.10	-8.63			
DM-1	12/5/2024	Low Flow	5,530	1,920	7.50	220	<0.50	4,100	<50	<20	60	&																					

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Genesis Solar Energy Project

			Chloride (mg/L)	Sulfate (SO4) (mg/L)	Nitrate (NO3) (mg/L)	Calcium (mg/L)	Copper (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Iron (mg/L)	Magnesium (mg/L)	Antimony (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Cadmium (ug/L)	Chromium (All Species) (ug/L)	Cobalt (ug/L)	Lead (ug/L)	Manganese (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Zinc (ug/L)	Mercury (ug/L)	Total Dissolved Solids (mg/L)	Specific Conductance (us/cm)	pH (standard Units)	Oil & Grease / HEM (mg/L)	HTF ¹ (mg/L)	Deuterium (% relative to VSMOW)	Oxygen-18 (% relative to VSMOW)			
Well ID	Date Sampled	Sampling Method	EPA Method 300.0			EPA Method 200.7						EPA Method 200.8														SM7470A	SM2540C	SM2510B	SM4500H	SM1664A	8015B	Isotope Geochemistry	
DM-3	12/5/2017	Low Flow	4,880	2,020	2.77	230	0.027	1,200	31	0.073 ^j	59	<2.5	15	15	<2.5	<2.5	<2.5	<2.5	-	<2.5	<2.5	5.6	<0.50	13,000	17,000	7.8	<5.0	<0.10	-69.57	-8.87			
DM-3	5/30/2018	Low Flow	6,350	2,600	10.7	260	0.11 ^j	4,100	61	<10	61	<0.50	14	15	<0.50	<5.0	<0.50	<0.50	-	<0.50	<5.0	<5.0	<0.50	<0.50	12,000	17,100	7.9	<5.0	<0.11	-70.60	-8.67		
DM-3	12/4/2018	Low Flow	6,770	2,840	2.50	280	<0.5	5,200	33	<20	69	<10	20	34	<10	<10	<10	<10	-	<10	<10	<10	<0.50	9,700	17,100	7.8	<5.0	<0.10	-70.60	-8.67			
DM-3	6/14/2019	Low Flow	4,880	1,960	2.87	270	0.009	4,900	60	<0.20	59	<10	<10	<10	<10	<10	<10	<10	-	<10	<10	-	<0.50	9,300	16,800	7.5	<5.0	<0.10	-70.80	-8.69			
DM-3	12/6/2019	Low Flow	9,760	4,350	3.52	240	0.006	4,100	31	<0.20	58	<5.0	11	18	<5.0	0.90 ^j	<5.0	<5.0	-	<5.0	0.40 ^j	51	<0.50	11,000	17,800	7.7	<5.0	<0.10	-70.50	-8.64			
DM-3	6/5/2020	Low Flow	5,250	2,080	2.44	230	0.007	4,000	35	<0.20	48	<5.0	16	17	<5.0	<5.0	<5.0	<5.0	-	<5.0	6.4	13	<0.50	11,000	17,400	7.5	<5.0	<0.097	-70.70	-8.65			
DM-3	12/3/2020	Low Flow	5,420	2,300	2.47	220	<0.005	9,100	29	<0.20	45	<5.0	<5.0	20	<5.0	<5.0	<5.0	<5.0	-	<5.0	0.68	0.55	<0.50	10,000	17,000	7.9	<5.0	<0.11	-70.90	-8.71			
DM-3	6/3/2021	Low Flow	5,380	2,130	2.44	190	<0.50	3,500	<50	<20	48	<10	17	18	<10	<10	<10	<10	-	<10	20	10	<0.50	7,700	17,400	7.7	<5.0	<0.093	-70.40	-8.69			
DM-3	12/2/2021	Low Flow	5,230	2,020	3.06	220	<0.50	4,000	<50	<20	53	<10	26	17	<10	<10	<10	<10	-	<10	11	<10	<1.0	12,000	17,400	7.8	<5.0	<0.094	-70.60	-8.69			
DM-3	6/2/2022	Low Flow	5,570	2,110	2.82	240	<2.5	4,500	<250	<100	59	<50	<50	<50	<50	<50	<50	<50	-	<50	55	50	<1.0	8,500	17,400	7.8	<5.0	<0.090	-70.50	-8.71			
DM-3	12/1/2022	Low Flow	5,300	2,110	3.11	210	<0.005	4,400	55	<0.20	56	<25	<25	<25	<25	<25	<25	<25	-	<25	<25	<25	<1.0	9,900	17,600	7.8	<5.0	<0.099	-70.50	-8.71			
DM-3	6/8/2023	Low Flow	5,230	2,100	2.61	240	<0.50	4,200	<50	<20	66	<10	16	17	<10	<10	<10	<10	-	<10	<10	<10	<1.0	9,800	17,600	7.7	<5.0	<0.099	-71.10	-8.76			
DM-3	12/7/2023	Low Flow	5,300	1,940	2.65	220	<0.50	4,100	<50	<20	60	<25	<25	<25	<25	<25	<25	<25	-	<25	<25	<25	<1.0	10,000	18,100	8.0	<5.0	<0.099	-71.50	-8.76			
DM-3	6/6/2024	Low Flow	4,650	2,060	3.01	220	<0.50	4,100	<50	<20	59	<5.0	17	15	<5.0	<5.0	<5.0	<5.0	-	<5.0	5.6	6.2	<1.0	9,900	18,200	8.0	<5.0	<0.100	-70.40	-8.67			
DM-3	12/5/2024	Low Flow	5,320	1,980	2.62	220	<0.50	4,100	<50	<20	59	<25	<25	<25	<25	<25	<25	<25	-	<25	<25	<25	<1.0	10,000	17,700	8.0	<5.0	<0.095	-71.20	-8.83			
DM-3	6/3/2025	Low Flow	5,210	2,070	2.21	260	<0.50	4,200	<50	<20	50	<10	16	17	<10	<10	<10	<10	-	<10	11	<10	<1.0	12,000	17,900	7.7	<5.0	<0.096	-71.40	-8.76			
DM-3	12/5/2025	Low Flow	3,860	1,440	2.26	230	<0.50	3,800	<50	<20	54	<20	<20	<20	<20	<20	<20	<20	-	<20	20	<20	<1.0	11,000	17,400	7.8	<5.0	<0.093	-70.40	-8.80			
PW-0	5/23/2012	Spigot	1,100	480	<0.55	66	<0.010	610	8.8	0.015	2.0	-	-	-	-	-	-	-	-	-	-	-	-	2,500	4,600	8.0	-	-	-78.90	-10.40			
PW-0	10/23/2012	Spigot	780	450	<0.55	55	<0.010	530	7.9	0.015 ^j	2.1	-	-	-	-	-	-	-	-	-	-	-	-	2,100	3,400	8.0	-	-	-79.40	-10.40			
PW-0	12/4/2018	Spigot	2,100	698	<0.500	100	<0.5	1,100	25	<20	<10	<10	45	55	<10	<10	<10	<10	-	<10	<10	92	<0.50	2,600	6,170	7.9	<5.0	<0.10	-76.30	-10.01			
PW-0	6/13/2019	Spigot	1,740	535	<0.500	130	<0.005	1,500	57	0.33	1.9	<10	<10	<10	<10	<10	<10	<10	-	<10	<10	-	<0.50	2,600	6,300	7.1	5.60	<0.10	-76.50	-10.01			
PW-0	12/5/2019	Spigot	3,220	944	<0.500	120	0.004 ^j	1,300	26	0.12 ^j	1.8	<5.0	42	60	<5.0	0.0002 ^j	<5.0	<5.0	-	<5.0	<5.0	51	<0.50	3,400	6,290	8.2	<5.0	<0.10	-75.70	-9.90			
PW-0	6/4/2020	Spigot	1,810	540	<0.500	110	0.007	1,300	25	0.37	1.5	<5.0	45	55	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	47	<0.50	3,000	6,390	8.3	<5.0	<0.098	-76.30	-10.01			
PW-0	12/3/2020	Spigot	1,880	625	0.641	96	<0.005	2,300	23	0.35	1.4	<5.0	5.0	63	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	4.2	<0.50	3,200	6,400	8.3	<5.0	<0.11	-76.70	-10.07			
PW-0	6/4/2021	Spigot	1,820	577	<0.500	99	<0.50	1,300	54	<20	<10	<10	55	59	<10	<10	<10	<10	-	<10	<10	44	<0.50	3,400	6,390	8.1	<5.0	<0.096	-76.00</				

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS
Genesis Solar Energy Project

			Chloride (mg/L)	Sulfate (SO4) (mg/L)	Nitrate (NO3) (mg/L)	Calcium (mg/L)	Copper (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Iron (mg/L)	Magnesium (mg/L)	Antimony (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Cadmium (ug/L)	Chromium (All Species) (ug/L)	Cobalt (ug/L)	Lead (ug/L)	Manganese (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Zinc (ug/L)	Mercury (ug/L)	Total Dissolved Solids (mg/L)	Specific Conductance (us/cm)	pH (standard Units)	Oil & Grease / HEM (mg/L)	HTF [†] (mg/L)	Deuterium (% relative to VSMOW)	Oxygen-18 (% relative to VSMOW)		
Well ID	Date Sampled	Sampling Method	EPA Method 300.0			EPA Method 200.7						EPA Method 200.8														SM7470A	SM2540C	SM2510B	SM4500H	SM1664A	8015B	Isotope Geochemistry
PW-2	12/5/2019 ¹	Spigot	1,370	584	<0.500	52	0.002 ^J	820	7.9	0.150 ^J	4.5	<5.0	26	42	<5.0	0.30 ^J	<5.0	<5.0	-	<5.0	<5.0	46	<0.50	1,600	3,600	8.1	<5.00	<0.10	-78.30	-10.22		
PW-2	6/4/2020	Spigot	864	<500	<0.500	49	<0.005	710	6.4	<0.20	4.1	<5.0	34	41	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	11	<0.50	2,100	3,610	8.1	<5.00	<0.10	-78.00	-10.22		
PW-2	6/4/2020 ¹	Spigot	876	<500	<0.500	48	0.006	700	6.3	<0.20	4.0	<5.0	34	44	<5.0	<5.0	<5.0	<5.0	-	<5.0	6.7	64	<0.50	2,000	3,610	7.9	<5.00	<0.097	-78.60	-10.27		
PW-2	12/3/2020	Spigot	1,010	436	<0.500	47	<0.005	1,200	6.4	<0.20	3.8	<5.0	<5.0	52	<5.0	<5.0	<5.0	<5.0	-	<5.0	<0.50	<0.50	<0.50	1,900	3,700	8.3	<5.00	<0.097	-78.30	-10.30		
PW-2	12/3/2020 ¹	Spigot	920	431	<0.500	46	<0.005	2,000	6.3	<0.20	3.9	<5.0	<5.0	53	<5.0	<5.0	<5.0	<5.0	-	<5.0	<0.50	0.66	<0.50	1,900	3,700	8.3	<5.00	<0.11	-78.80	-10.31		
PW-2	6/4/2021	Spigot	893	452	<0.500	42	<0.50	730	<50	<20	<10	<10	32	43	<10	<10	<10	<10	-	<10	19	<10	<0.50	2,100	3,630	8.1	<5.00	<0.094	-77.70	-10.24		
PW-2	6/4/2021 ¹	Spigot	901	457	<0.500	42	<0.50	720	<50	<20	<10	<10	38	47	<10	<10	<10	<10	-	<10	15	<10	<0.50	1,900	3,620	8.1	<5.00	<0.094	-77.60	-10.22		
PW-2	12/2/2021	Spigot	886	444	<0.500	52	<0.50	800	<50	<20	<10	<0.50	36	47	<0.50	<0.50	<0.50	<0.50	-	0.70	0.75	2.1	<1.0	1,300	3,630	8.2	<5.00	<0.100	-77.60	-10.22		
PW-2	12/2/2021 ¹	Spigot	891	448	<0.500	51	<0.50	800	<50	<20	<10	<0.50	38	46	<0.50	<0.50	<0.50	<0.50	-	0.64	0.78	1.2	<1.0	2,100	3,640	8.0	<5.00	<0.098	-77.80	-10.24		
PW-2	6/2/2022	Spigot	944	438	<0.500	<50	<2.5	630	<250	<100	<50	<50	<50	<50	<50	<50	<50	<50	-	<50	<50	<50	<1.0	2,000	3,680	8.1	<5.00	<0.093	-77.80	-10.30		
PW-2	6/2/2022 ¹	Spigot	953	444	<0.500	<50	<2.5	670	<250	<100	<50	<50	<50	<50	<50	<50	<50	<50	-	<50	<50	<50	<1.0	4,000	3,730	8.2	<5.00	<0.092	-77.70	-10.27		
PW-2	12/1/2022	Spigot	892	426	<0.500	52	<0.005	820	11	<0.20	4.5	<25	<25	43	<25	<25	<25	<25	-	<25	<25	<25	<1.0	5,200	3,910	8.2	<5.00	<0.095	-77.90	-10.28		
PW-2	12/1/2022 ¹	Spigot	886	424	<0.500	52	<0.005	800	12	<0.20	4.6	<25	32	42	<25	<25	<25	<25	-	<25	<25	<25	<1.0	2,000	3,920	8.1	<5.00	<0.097	-77.70	-10.25		
PW-2	6/8/2023	Spigot	802	421	<0.500	62	<0.50	740	<50	<20	<10	<10	28	43	<10	<10	<10	<10	-	<10	<10	<10	<1.0	1,800	3,640	8.2	<5.00	<0.099	-78.60	-10.37		
PW-2	6/8/2023 ¹	Spigot	808	423	<0.500	61	<0.50	700	<50	<20	<10	<10	32	43	<10	<10	<10	<10	-	<10	<10	<10	<1.0	1,800	3,630	7.9	<5.00	<0.100	-78.40	-10.32		
PW-2	12/7/2023	Spigot	769	526	<0.500	<50	<0.50	750	<50	<20	<10	<25	31	40	<25	<25	<25	<25	-	<25	<25	<25	<1.0	2,100	3,730	7.7	<5.00	<0.099	-77.50	-10.23		
PW-2	12/7/2023 ¹	Spigot	765	526	0.879	<50	<0.50	740	<50	<20	<10	<25	26	40	<25	<25	<25	<25	-	<25	<25	<25	<1.0	2,100	3,740	7.9	<5.00	<0.098	-77.50	-10.24		
PW-2	6/6/2024	Spigot	775	414	<0.500	54	<0.50	810	<50	<20	<10	<5.0	27	39	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<1.0	2,100	3,780	8.1	<5.00	<0.089	-77.60	-10.26		
PW-2	6/6/2024 ¹	Spigot	790	422	<0.500	57	<0.50	820	<50	<20	<10	<5.0	30	38	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	6.0	<1.0	2,200	3,790	8.3	<5.00	<0.100	-77.50	-10.20		
PW-2	12/5/2024	Spigot	766	<500	<0.500	51	<0.50	740	<50	<20	<10	<25	<25	39	<25	<25	<25	<25	-	<25	<25	<25	<1.0	2,300	3,630	8.0	<5.00	<0.099	-78.00	-10.43		
PW-2	12/5/2024 ¹	Spigot	802	<500	<0.500	74	<0.50	750	<50	<20	<10	<25	26.0	40	<25	<25	<25	<25	-	<25	<25	<25	<1.0	1,800	3,590	8.2	<5.00	<0.100	-77.90	-10.30		
PW-2	6/3/2025	Spigot	887	433	<0.500	60	<0.50	850	<50	<20	<10	<10	27	45	<10	<10	<10	<10	-	<10	<10	21	<1.0	2,100	3,850	8.3	<5.00	<0.095	-78.50	-10.33		
PW-2	6/3/2025 ¹	Spigot	885	432	<0.500	59	<0.50	850	<50	<20	<10	<10	30	45	<10	<10	<10	<10	-	<10	<10	<10	<1.0	2,200	3,850	8.2	<5.00	<0.096	-78.60	-10.41		
PW-2	12/5/2025	Spigot	865	473	<0.500	59	<0.50	790	<50	<20	<10	<20	32	40	<20	<20	<20	<20	-	<20	<20	<20	<1.0	2,200	3,670	8.2	<5.00	<0.099	-78.00	-10.44		
PW-2	12/5/2025 ¹	Spigot	866	472	<0.500	53	<0.50	700	<50	<20	<10	<20	33	37	<20	<20	<20	<20	-	<20	<20	<20	<1.0	2,200	3,680	8.2	<5.00	<0.093	-78.60	-10.38		

NOTES:
mg/L = milligrams per liter
ug/L = micrograms per liter
uS/cm = microsiemens per centimeter
‰ = parts per thousand
VSMOW = Vienna Standard Mean Ocean Water
< = not detected at or above the indicated reporting limit
- = information is unknown / not applicable / not analyzed
B - Compound was detected in the laboratory equipment blank.
J - Result is less than the reporting limit but greater than or equal to the method detection limit, thus the concentration is an approximate value.
† - Heat Transfer Fluid (HTF) is characterized by the analytes 1,1'-oxybis-benzene and 1,1'-biphenyl.
1 - Duplicate sample

TABLE 5
HISTORICAL ANALYTICAL DATA FOR OFFSITE WELLS WITHIN MONITORING AREA
Genesis Solar Energy Project, Riverside, California

Well ID	Date Sampled	Data Source	Sample Depth (ft amsl)	Fluoride (mg/L)	Chloride (mg/L)	Sulfate (SO4) (mg/L)	Sodium (mg/L)	Silica (Total) (mg/L)	Potassium (mg/L)	Magnesium (mg/L)	Calcium (mg/L)	Total Hardness (as CaCO3) (mg/L)	Total Dissolved Solids (mg/L)
1	5/19/1961	DWR, 1963	--	--	656	--	--	--	--	--	--	--	1,760
3	4/20/2009	Azca Drilling and Pump	560 to 940	--	--	--	--	--	--	--	--	--	910
3	9/3/2009	WorleyParsons	560 to 940	--	--	--	--	--	--	--	--	--	970
5	10/10/1961	DWR, 1963	? to 85.7	--	1,770	--	--	--	--	--	--	--	5,730
14	6/25/1991	DWR Well Records	890 to 940	--	--	--	--	--	--	--	--	--	2,400
14	7/29/2009	WorleyParsons	--	--	3,400	--	--	--	--	--	--	--	6,600
15	9/16/2009	WorleyParsons	200.0	--	--	--	--	--	--	--	--	--	19,000
15	9/16/2009	WorleyParsons	500.0	--	--	--	--	--	--	--	--	--	26,000
16	9/16/2009	WorleyParsons	247.00	--	--	--	--	--	--	--	--	--	3,100
17	1959	DWR, 1963	1,175 to 1,200	--	986	--	--	--	--	--	--	--	2,150
17	9/17/2009	WorleyParsons	247	--	--	--	--	--	--	--	--	--	20,000
21	10/17/1917	DWR, 1963	--	--	865	--	--	--	--	--	--	--	3,820
23	4/19/1979	NWIS	--	6.3	950	450	800	38	16	0.6	67	170	2,350
26	9/16/2009	WorleyParsons	760.00	--	--	--	--	--	--	--	--	--	1,100
27	10/10/1961	DWR, 1963	? to 486.4	--	718	--	--	--	--	--	--	--	2,210
28	10/10/1961	DWR, 1963	? to 779.4	--	273	--	--	--	--	--	--	--	1,470
29	9/16/2009	WorleyParsons	720	--	--	--	--	--	--	--	--	--	1,100
31	10/10/1961	DWR, 1963	? to 242.2	--	734	--	--	--	--	--	--	--	2,560
32	10/10/1961	DWR, 1963	? to 315.7	--	3,250	--	--	--	--	--	--	--	8,150
37	6/4/1990	Engineering Science, 1990	750 to 1,050	--	214	--	--	--	--	--	--	--	752
38	6/20/1986	Woodward-Clyde Consultants	275 to 815	--	519	--	--	--	--	--	--	--	1,313
38	6/20/1986	Woodward-Clyde Consultants	835 to 1,015	--	267	--	--	--	--	--	--	--	719
39	6/12/1961	DWR, 1963	853 to 1,083	--	216	--	--	--	--	--	--	--	--
39	1/1986	CH2M Hill and Boyle Eng.	853 to 1,083	--	--	--	--	--	--	--	--	--	786
42	8/24/1983	Woodward-Clyde Consultants	738 to 1,100	--	199	--	--	--	--	--	--	--	--
42	5/1/1988	CH2M Hill and Boyle Eng.	738 to 1,100	--	--	--	--	--	--	--	--	--	765
43	1/1986	Kennedy/Jenks/Chilton, 1986	510 to 780	--	460	--	--	--	--	--	--	--	1,150
47	1/4/1984	Woodward-Clyde Consultants	490	--	550	--	--	--	--	--	--	--	1,380
47	1/5/1984	Woodward-Clyde Consultants	590	--	586	--	--	--	--	--	--	--	1,350
47	2/7/1984	Woodward-Clyde Consultants	850	--	570	--	--	--	--	--	--	--	2,090
47	1/1986	Kennedy/Jenks/Chilton, 1986	500 to 850	--	520	--	--	--	--	--	--	--	1,740
50	1959	DWR, 1963	? to 818	--	131	--	--	--	--	--	--	--	--

NOTES:

amsl = above mean sea level

mg/L = milligrams per liter

-- = Information not available or not applicable

SOURCES:

CH2M Hill and Boyle Engineering, 1995. Technical Memorandum, Water Treatment Plant Evaluation - Phase I. Dated March 30, 1995

DWR, 1963. Data on Water Wells and Springs in the Chuckwalla Valley Area. DWR Bulletin 91-7

Kennedy/Jenks/Chilton, 1986. Final Report Sampling and Analysis in the Wiley's Well Area. Dated March 19, 1986

NWIS = National Water Information System

Woodward-Clyde Consultants, 1986. Final Report, Groundwater Quality Investigation, Wiley's Well Area. Dated March 13, 1986

TABLE 6
2025 SECOND SEMIANNUAL MANN-KENDALL STATISTICAL ANALYSIS
Genesis Solar Energy Project

Well ID	Analyte	Minimum	Maximum	Mean	Mann-Kendall at 95% Confidence Interval			
					Mann-Kendall Test Value (S)	Trend Direction	p-Value	Significant Trend?
TW-1	Chloride	3,510	7,300	4,731	84	Increasing	0.158	No
TW-1	Sulfate	1,130	2,490	1,604	121	Increasing	0.041	Yes
TW-1	Nitrate	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
TW-1	Calcium	58	220	105	76	Increasing	0.180	No
TW-1	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	Sodium	1,000	9,300	3,797	122	Increasing	0.039	Yes
TW-1	Potassium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
TW-1	Iron	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
TW-1	Magnesium	3.40	46	18	-17	Decreasing	0.738	No
TW-1	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	Arsenic	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	Barium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
TW-1	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	Manganese	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
TW-1	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	Selenium	5.80	92	33	3	Increasing	0.707	No
TW-1	Zinc	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-1	TDS	6,400	11,000	8,868	-40	Decreasing	0.507	No
TW-1	Conductivity	12,000	20,000	15,868	27	Increasing	0.657	No
TW-2	Chloride	850	2,750	1,582	120	Increasing	0.033	Yes
TW-2	Sulfate	315	686	461	-67	Decreasing	0.167	No
TW-2	Nitrate	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
TW-2	Calcium	64	120	87	9	Increasing	0.886	No
TW-2	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Sodium	70	1,300	1,045	196	Increasing	0.000	Yes
TW-2	Potassium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
TW-2	Iron	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Magnesium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
TW-2	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Arsenic	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Barium	23	65	42	58	Increasing	0.132	No
TW-2	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Manganese	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	Selenium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	

TABLE 6
2025 SECOND SEMIANNUAL MANN-KENDALL STATISTICAL ANALYSIS
Genesis Solar Energy Project

Well ID	Analyte	Minimum	Maximum	Mean	Mann-Kendall at 95% Confidence Interval			
					Mann-Kendall Test Value (S)	Trend Direction	p-Value	Significant Trend?
TW-2	Zinc	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
TW-2	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
TW-2	TDS	2,500	6,400	3,217	-65	Decreasing	0.250	No
TW-2	Conductivity	4,100	6,200	5,688	135	Increasing	0.017	Yes
OBS-1	Chloride	5,200	9,710	6,320	-64	Decreasing	0.237	No
OBS-1	Sulfate	4,800	9,400	5,971	-99	Decreasing	0.066	No
OBS-1	Nitrate	0.78	12.4	5.23	-13	Decreasing	0.735	No
OBS-1	Calcium	290	480	344	-133	Decreasing	0.012	Yes
OBS-1	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	Sodium	2,200	12,000	6,221	45	Increasing	0.407	No
OBS-1	Potassium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
OBS-1	Iron	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
OBS-1	Magnesium	68	140	90	68	Increasing	0.208	No
OBS-1	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	Arsenic	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	Barium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
OBS-1	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	Manganese	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	Selenium	7.6	120	68	31	Increasing	0.428	No
OBS-1	Zinc	3.7	77	35	16.0	Increasing	0.118	No
OBS-1	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
OBS-1	TDS	11,000	21,000	17,069	-135	Decreasing	0.009	Yes
OBS-1	Conductivity	21,000	36,000	26,314	-8	Decreasing	0.895	No
Well 23a	Chloride	407	667	485	-86	Decreasing	0.061	No
Well 23a	Sulfate	370	490	410	-69	Decreasing	0.112	No
Well 23a	Nitrate	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
Well 23a	Calcium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
Well 23a	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	Sodium	420	760	583	160	Increasing	0.000	Yes
Well 23a	Potassium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
Well 23a	Iron	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
Well 23a	Magnesium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
Well 23a	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	Arsenic	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	Barium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
Well 23a	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	

TABLE 6
2025 SECOND SEMIANNUAL MANN-KENDALL STATISTICAL ANALYSIS
Genesis Solar Energy Project

Well ID	Analyte	Minimum	Maximum	Mean	Mann-Kendall at 95% Confidence Interval			
					Mann-Kendall Test Value (S)	Trend Direction	p-Value	Significant Trend?
Well 23a	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	Manganese	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	Selenium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	Zinc	22	480	130	-47	Decreasing	0.058	No
Well 23a	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
Well 23a	TDS	930	5,700	1,617	-43	Decreasing	0.342	No
Well 23a	Conductivity	2,400	3,100	2,683	66	Increasing	0.151	No
DM-1	Chloride	4,600	8,180	5,477	74	Increasing	0.107	No
DM-1	Sulfate	1,700	3,280	2,080	-5	Decreasing	0.925	No
DM-1	Nitrate	2.9	16.3	8.56	-35	Decreasing	0.270	No
DM-1	Calcium	210	280	240	-6	Decreasing	0.909	No
DM-1	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	Sodium	1,100	9,500	4,204	108	Increasing	0.018	Yes
DM-1	Potassium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-1	Iron	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	Magnesium	49	69	60	112	Increasing	0.014	Yes
DM-1	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	Arsenic	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-1	Barium	25	52	32	-117	Decreasing	0.000	Yes
DM-1	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	Manganese	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	Selenium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-1	Zinc	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-1	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-1	TDS	8,100	14,000	10,846	-43	Decreasing	0.317	No
DM-1	Conductivity	16,000	20,000	17,946	55	Increasing	0.231	No
DM-2	Chloride	3,610	7,680	5,268	100	Increasing	0.029	Yes
DM-2	Sulfate	1,330	2,340	2,038	41	Increasing	0.349	No
DM-2	Nitrate	2.90	21.2	10.1	-2	Decreasing	0.974	No
DM-2	Calcium	230	470	281	-130	Decreasing	0.004	Yes
DM-2	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Sodium	1,400	11,000	4,254	122	Increasing	0.007	Yes
DM-2	Potassium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-2	Iron	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Magnesium	51	85	62	140	Increasing	0.002	Yes

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Well ID	Analyte	Minimum	Maximum	Mean	Mann-Kendall at 95% Confidence Interval			
					Mann-Kendall Test Value (S)	Trend Direction	p-Value	Significant Trend?
DM-2	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Arsenic	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Barium	33	140	58	-200	Decreasing	0.000	Yes
DM-2	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Manganese	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Selenium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-2	Zinc	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-2	TDS	6,800	13,000	10,415	-27	Decreasing	0.561	No
DM-2	Conductivity	13,000	22,000	17,696	155	Increasing	0.001	Yes
DM-3	Chloride	3,860	9,760	5,318	38	Increasing	0.414	No
DM-3	Sulfate	1,440	4,350	2,162	-5	Decreasing	0.930	No
DM-3	Nitrate	2.21	10.7	3.40	-50	Decreasing	0.063	No
DM-3	Calcium	190	280	232	1	Increasing	1.000	No
DM-3	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	Sodium	1,200	9,100	4,077	120	Increasing	0.008	Yes
DM-3	Potassium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-3	Iron	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	Magnesium	45	69	55	64	Increasing	0.162	No
DM-3	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	Arsenic	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-3	Barium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-3	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	Manganese	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	Selenium	0.68	55	16	8	Increasing	0.379	No
DM-3	Zinc	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
DM-3	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
DM-3	TDS	7,700	13,000	10,600	-57	Decreasing	0.201	No
DM-3	Conductivity	16,000	20,000	17,573	31	Increasing	0.505	No
PW-0	Chloride	780	3,220	1,773	-17	Decreasing	0.509	No
PW-0	Sulfate	450	944	580	11	Increasing	0.652	No
PW-0	Nitrate	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
PW-0	Calcium	55	140	107	57	Increasing	0.018	Yes

TABLE 6
2025 SECOND SEMIANNUAL MANN-KENDALL STATISTICAL ANALYSIS
Genesis Solar Energy Project

Well ID	Analyte	Minimum	Maximum	Mean	Mann-Kendall at 95% Confidence Interval			
					Mann-Kendall Test Value (S)	Trend Direction	p-Value	Significant Trend?
PW-0	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	Sodium	530	2,300	1,326	50	Increasing	0.036	Yes
PW-0	Potassium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
PW-0	Iron	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
PW-0	Magnesium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
PW-0	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	Arsenic	5.00	59	46	15	Increasing	0.442	No
PW-0	Barium	46	63	56	-27	Decreasing	0.149	No
PW-0	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	Manganese	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	Selenium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	Zinc	4.2	130	53	-5	Decreasing	0.276	No
PW-0	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-0	TDS	2,100	3,900	3,159	88	Increasing	0.000	Yes
PW-0	Conductivity	3,400	6,690	6,142	99	Increasing	0.000	Yes
PW-1	Chloride	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Sulfate	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Nitrate	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Calcium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Sodium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Potassium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Iron	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Magnesium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Arsenic	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Barium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Manganese	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Selenium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Zinc	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-1	TDS	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	

TABLE 6
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Genesis Solar Energy Project

Well ID	Analyte	Minimum	Maximum	Mean	Mann-Kendall at 95% Confidence Interval			
					Mann-Kendall Test Value (S)	Trend Direction	p-Value	Significant Trend?
PW-1	Conductivity	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Chloride	570	1,370	871	8	Increasing	0.884	No
PW-2	Sulfate	290	584	446	5	Increasing	0.292	No
PW-2	Nitrate	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Calcium	42	74	55	46	Increasing	0.292	No
PW-2	Copper	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Sodium	410	1,200	765	110	Increasing	0.023	Yes
PW-2	Potassium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
PW-2	Iron	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Magnesium	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
PW-2	Antimony	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Arsenic	19	38	30	54	Increasing	0.107	No
PW-2	Barium	14	52	41	37	Increasing	0.300	No
PW-2	Cadmium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Chromium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Cobalt	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Lead	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Manganese	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Nickel	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Selenium	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	Zinc	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	N/A ¹	
PW-2	Mercury	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	
PW-2	TDS	1,800	5,200	2,237	-27	Decreasing	0.576	No
PW-2	Conductivity	2,900	4,100	3,718	-29	Decreasing	0.557	No

Notes:

N/A ¹ Not Applicable - No new data for the reporting period

N/A ² Not Applicable - Not enough data to calculate trend

New max/min value

APPENDIX A

FIELD DATA SHEETS



GROUNDWATER LEVEL MEASUREMENT FORM

Date: 12/04/2025	Site: Genesis Solar Energy Project	Project No: 196-004-07
Project: Groundwater Monitoring Program		PM: AWB
Measurement Method/Device: Geotech Interface Probe		Technicians: AWB/STA

Weather: Cool, clear

Well No.	Date	TOC Reference Elevation (ft)	Depth to Water (ft)	Corrected Water Level Elevation (ft)	Comments
TW-1	12/4/2025	387.40	87.79	299.61	Manual Measurement
TW-2	12/4/2025	393.47	124.94	268.53	Manual Measurement
OBS-1	12/4/2025	388.30	78.11	310.19	Manual Measurement
OBS-2-270	N/A	388.14	N/A	N/A	Buried Transducer Cable
OBS-2-315	N/A	388.14	N/A	N/A	Buried Transducer Cable
OBS-2-370	N/A	388.14	N/A	N/A	Buried Transducer Cable
OBS-2-400	N/A	388.14	N/A	N/A	Buried Transducer Cable
14	12/4/2025	388.14	99.58	288.56	Manual Measurement
23a	12/4/2025	392.10	134.63	257.47	Manual Measurement
24-1	12/4/2025	389.40	126.42	262.98	Manual Measurement
24-2	12/4/2025	388.86	124.10	264.76	Manual Measurement
24-3	12/4/2025	392.04	122.65	269.39	Manual Measurement
PW-0	12/4/2025	385.64	N/A	N/A	Manual Measurement
PW-1	12/4/2025	384.43	97.71	286.72	Manual Measurement
PW-2	12/4/2025	385.15	N/A	N/A	Manual Measurement
DM-1	12/4/2025	391.49	107.75	283.74	Manual Measurement
DM-2	12/4/2025	391.32	107.90	283.42	Manual Measurement
DM-3	12/4/2025	388.34	104.88	283.46	Manual Measurement

Additional Notes:



GROUNDWATER SAMPLING FIELD FORM

Date: 12/04/25	Site: Genesis Solar Energy Project	Project No: 196-004-07
Project: Groundwater Quality Monitoring Program		Project Manager: AWB
Technicians: AWB, STA		Weather: Cool, clear
Sampling Method: Bailer Grab Sample		

Well No.	23a	Temp °C	pH	Conductivity (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/L)
Casing Diameter (in.)	8.0	28.9	8.63	3.2	111.0	+134	2.80
Total Depth (ft btoc)	1,825						
Screen Interval (ft btoc)	1800 - 1825						
Depth to Water (ft btoc)	134.63						
Sample Date	12/4/2025						
Sample Time	15:00						

General Well Location: CalTrans Rest Stop at Wiley's Well Road (2 days notice to CalTrans required)

COMMENTS:

Well No.	OBS-1	Temp °C	pH	Conductivity (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/L)
Casing Diameter (in.)	5.0	26.4	8.59	26.0	51.1	+56	4.02
Total Depth (ft btoc)	160						
Screen Interval (ft btoc)	100 - 150						
Depth to Water (ft btoc)	78.11						
Sample Date	12/4/2025						
Sample Time	14:00						

General Well Location: Approximately 1 mile west of property boundary; access via Ford Dry Lake service road

COMMENTS:

Well No.	TW-1	Temp °C	pH	Conductivity (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/L)
Casing Diameter (in.)	5.0	26.5	10.46	19.1	223	-164	4.63
Total Depth (ft btoc)	565						
Screen Interval (ft btoc)	340 - 564						
Depth to Water (ft btoc)	87.79						
Sample Date	12/4/2025						
Sample Time	13:45						

General Well Location: Approximately 1 mile west of property boundary; access via Ford Dry Lake service road

COMMENTS:

Well No.	TW-2	Temp °C	pH	Conductivity (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/L)
Casing Diameter (in.)	5.0	28.6	9.42	5.8	240	-188	5.82
Total Depth (ft btoc)	1,841						
Screen Interval (ft btoc)	Multiple						
Depth to Water (ft btoc)	124.94						
Sample Date	12/4/2025						
Sample Time	15:30						

General Well Location: NE corner of Section 32 (Township 7S, Range 20E); near bend in site access road

COMMENTS:



GROUNDWATER SAMPLING FIELD FORM

Date: 12/05/2025		Site: Genesis Solar Energy Project				Project No: 196-004-07	
Project: Groundwater Quality Monitoring Program						Project Manager: AWB	
Technicians: AWB, STA						Weather: Cool, clear	
Sampling Method: Production Well Effluent Grab Sample							
Well No.	PW-0	Temp °C	pH	Conductivity (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/L)
Casing Diameter (in.)	10.0	28.5	8.01	6.8	66.1	-68	4.72
Total Depth (ft btoc)	1,251						
Screen Interval (ft btoc)	Multiple						
Depth to Water (ft btoc)	N/A						
Sample Date	12/5/2025						
Sample Time	5:50						
General Well Location: Between Solar Field #1 and #2, near main road							
COMMENTS: Access port is blocked							
Well No.	PW-1	Temp °C	pH	Conductivity (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/L)
Casing Diameter (in.)	10.0	-	-	-	-	-	-
Total Depth (ft btoc)	1,360						
Screen Interval (ft btoc)	Multiple						
Depth to Water (ft btoc)	97.71						
Sample Date	12/5/2025						
Sample Time	N/A						
General Well Location: NE corner of Solar Field 1 cooling/processing facility, between Block 6 & Block 7							
COMMENTS: Not sampled - no access; well is welded shut.							
Well No.	PW-2	Temp °C	pH	Conductivity (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/L)
Casing Diameter (in.)	10.0	40.7	8.11	4.1	38.4	+29	3.03
Total Depth (ft btoc)	1,125						
Screen Interval (ft btoc)	Multiple						
Depth to Water (ft btoc)	N/A						
Sample Date	12/5/2025						
Sample Time	6:05						
General Well Location: NW corner of Solar Field 2 cooling/processing facility, between Block 7 & Block 8							
COMMENTS: Pump running at time of readings; did not collect water level							
Well No.		Temp °C	pH	Conductivity (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/L)
Casing Diameter (in.)							
Total Depth (ft btoc)							
Screen Interval (ft btoc)							
Depth to Water (ft btoc)							
Sample Date							
Sample Time							
General Well Location:							
COMMENTS:							



GROUNDWATER SAMPLING FIELD FORM

Date: 12/05/2025 Site: Genesis Solar Energy Project Project No: 196-004-07
Project: Groundwater Detection Monitoring Program Project Manager: AWB
Technicians: AWB, STA Weather: Cool, clear
Sampling Method: Low-flow sampling with submersible pump (EPA 2017 protocols) and flow-through cell

Well No.	DM-1	Time (5 Min Int)	Water Level (ft btoc)	Temp °C (3%)	pH (+/- 0.1)	Cond (mS/cm) (3%)	Turbidity (NTUs) (10%)	ORP (mV) (+/- 10)	DO (mg/L) (10%)
Casing Diameter (in.)	4.0	8:15	107.80	18.2	7.88	19.2	168.0	+147	7.43
Total Depth (ft btoc)	120	8:20	107.80	21.9	7.83	18.6	131.0	+143	6.80
Screen Interval (ft btoc)	100 - 120	8:25	107.79	24.8	8.06	18.5	115.0	+143	7.70
Depth to Water (ft btoc)	107.75	8:30	107.82	24.8	7.83	18.6	136.0	+143	8.14
Depth of Inlet (ft btoc)	115.00	8:35	107.80	25.0	7.83	18.6	120.0	+140	8.14
Discharge Time (sec)	30	8:40	107.80	24.8	7.83	18.6	131.0	+138	8.15
Fill Time (sec)	20								
Cycles per Minute	1.2								
Volume per Cycle (mL)	150								
Pump Rate (mL/min)	180								
Volume Purged (mL)	5,400								
Sample Date	12/05/25								
Sample Time	8:45								

Purge Volume Calculation: Total must exceed tubing volume (1,204 mL) plus drawdown volume (2,460 mL/foot) = 1,327 mL

Well No.	DM-2	Time (5 Min Int)	Water Level (ft btoc)	Temp °C (3%)	pH (+/- 0.1)	Cond (mS/cm) (3%)	Turbidity (NTUs) (10%)	ORP (mV) (+/- 10)	DO (mg/L) (10%)
Casing Diameter (in.)	4.0	9:30	108.30	19.9	7.64	17.6	97.8	+153	8.88
Total Depth (ft btoc)	120	9:35	108.40	21.6	7.72	18.4	67.4	+150	8.74
Screen Interval (ft btoc)	100 - 120	9:40	108.51	22.9	7.73	18.5	81.3	+144	8.44
Depth to Water (ft btoc)	107.90	9:45	108.57	22.8	7.73	18.6	83.2	+141	8.36
Depth of Inlet (ft btoc)	115.00	9:50	108.65	23.0	7.74	18.7	84.4	+139	8.40
Discharge Time (sec)	28								
Fill Time (sec)	37								
Cycles per Minute	0.9								
Volume per Cycle (mL)	150								
Pump Rate (mL/min)	138								
Volume Purged (mL)	3,450								
Sample Date	12/05/25								
Sample Time	9:50								

Purge Volume Calculation: Total must exceed tubing volume (1,204 mL) plus drawdown volume (2,460 mL/foot) = 1,845 mL

Well No.	DM-3	Time (5 Min Int)	Water Level (ft btoc)	Temp °C (3%)	pH (+/- 0.1)	Cond (mS/cm) (3%)	Turbidity (NTUs) (10%)	ORP (mV) (+/- 10)	DO (mg/L) (10%)
Casing Diameter (in.)	4.0	10:50	104.88	21.7	7.74	18.8	67.1	+139	8.25
Total Depth (ft btoc)	120	10:55	104.85	25.2	7.77	18.1	35.4	+130	7.51
Screen Interval (ft btoc)	100 - 120	11:00	104.86	25.1	7.78	18.3	33.5	+125	7.04
Depth to Water (ft btoc)	104.88	11:05	104.87	25.2	7.79	18.2	31.9	+125	6.95
Depth of Inlet (ft btoc)	115.00	11:10	104.87	25.3	7.79	18.3	27.0	+123	7.03
Discharge Time (sec)	28								
Fill Time (sec)	35								
Cycles per Minute	1.0								
Volume per Cycle (mL)	150								
Pump Rate (mL/min)	143								
Volume Purged (mL)	3,575								
Sample Date	12/05/25								
Sample Time	11:10								

Purge Volume Calculation: Total must exceed tubing volume (1,204 mL) plus drawdown volume (2,460 mL/foot) = 1,204 mL

APPENDIX B

TIME SERIES CHARTS 1 - 29

Chart 1: Chloride

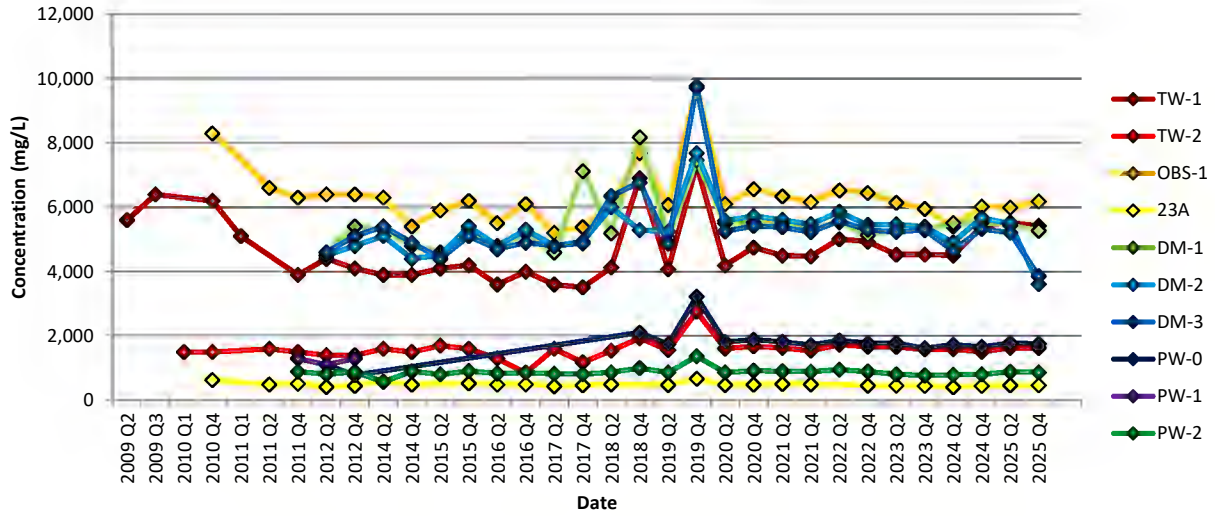


Chart 2: Sulfate (SO₄)

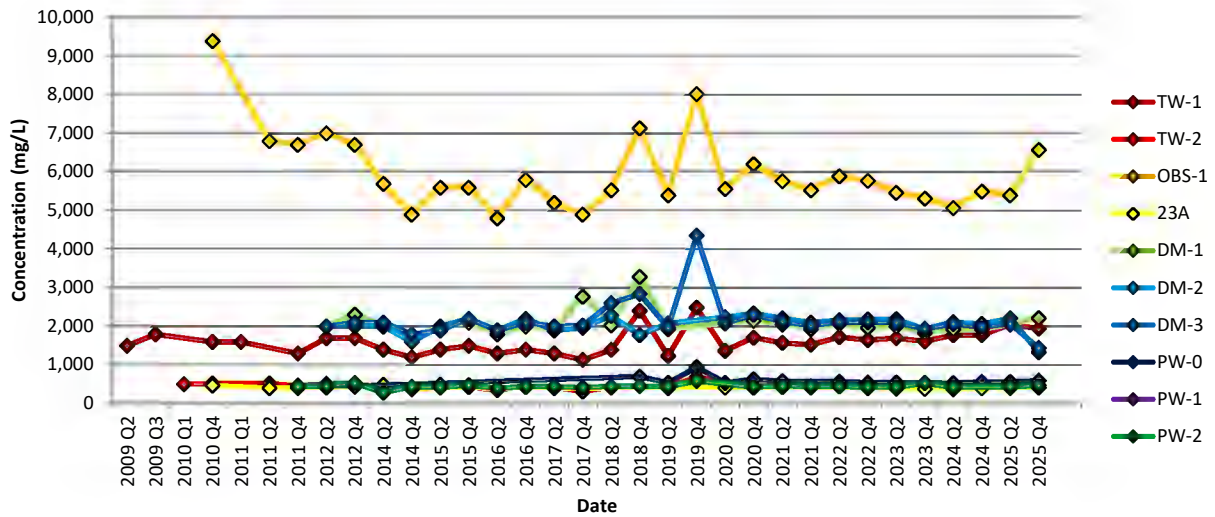


Chart 3: Nitrate (NO₃)

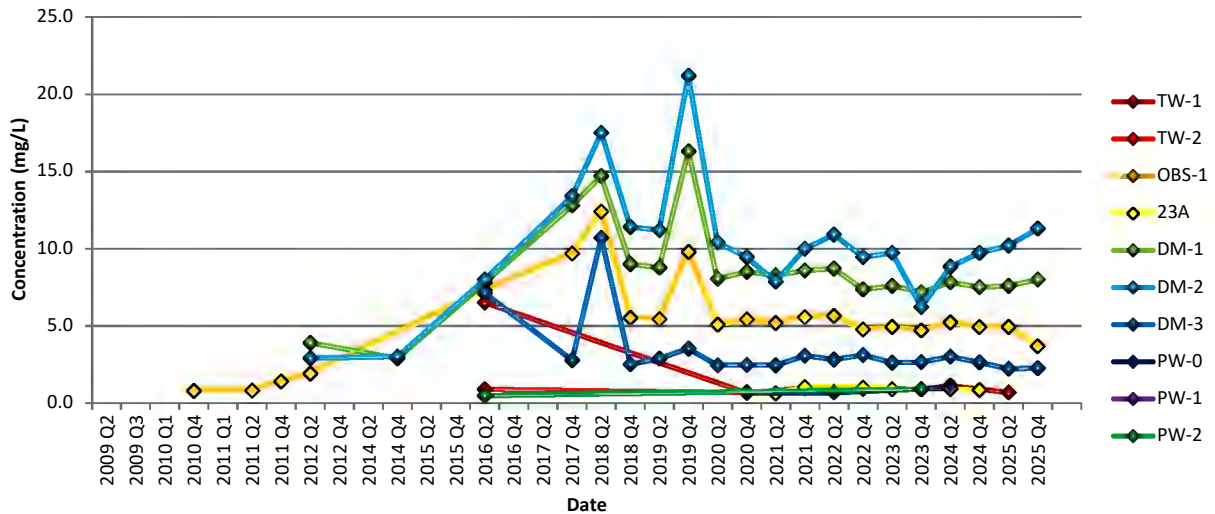


Chart 4: Calcium

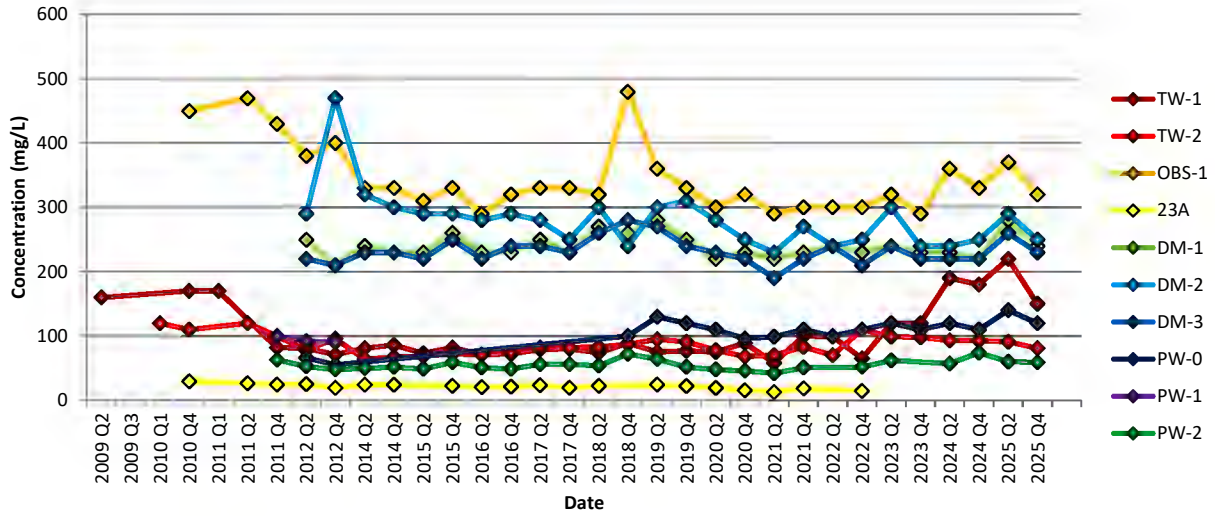


Chart 5: Copper

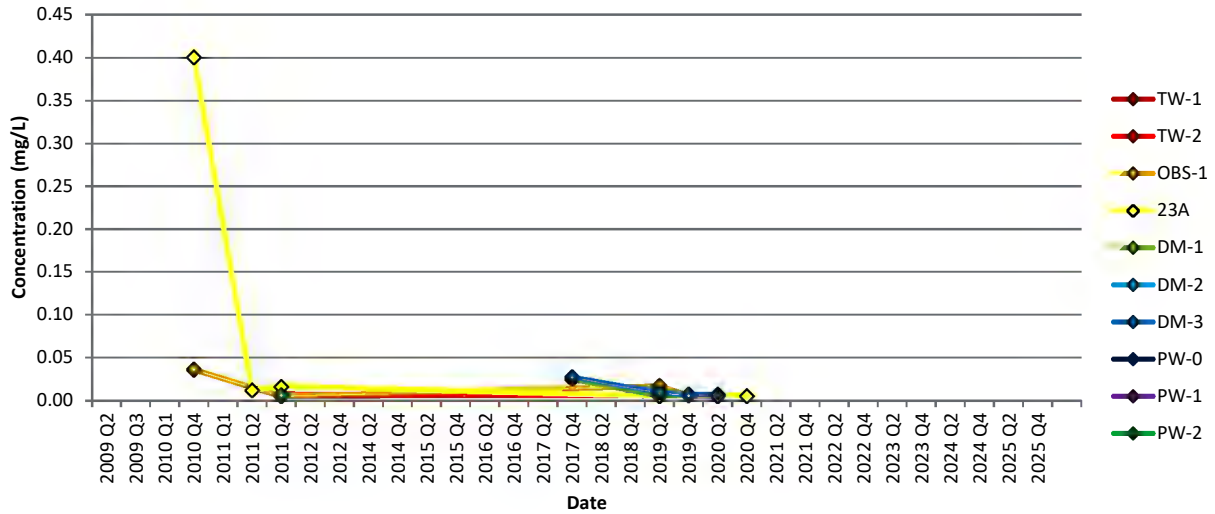


Chart 6: Sodium

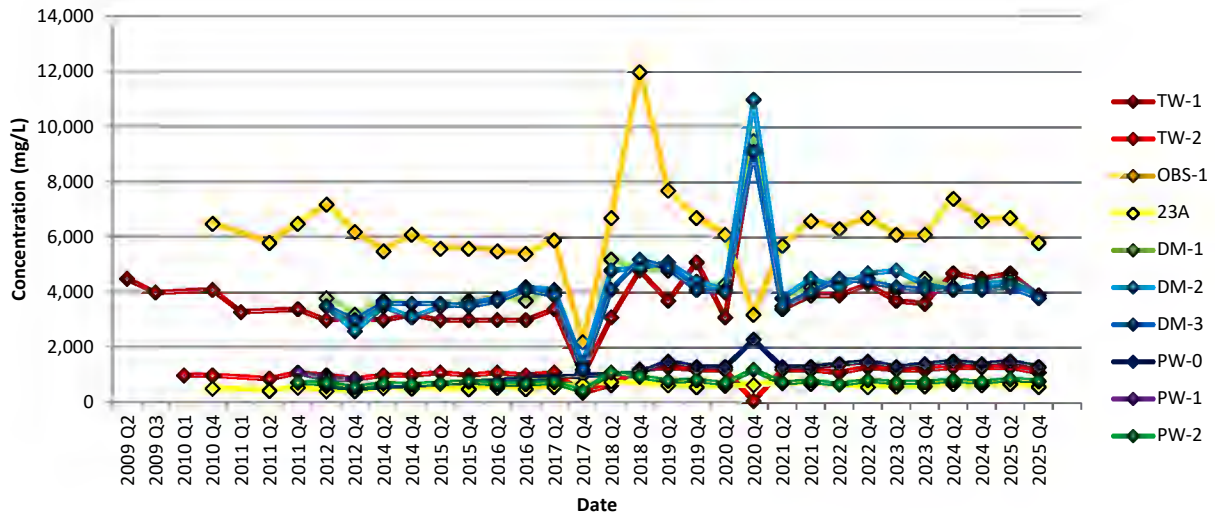


Chart 7: Potassium

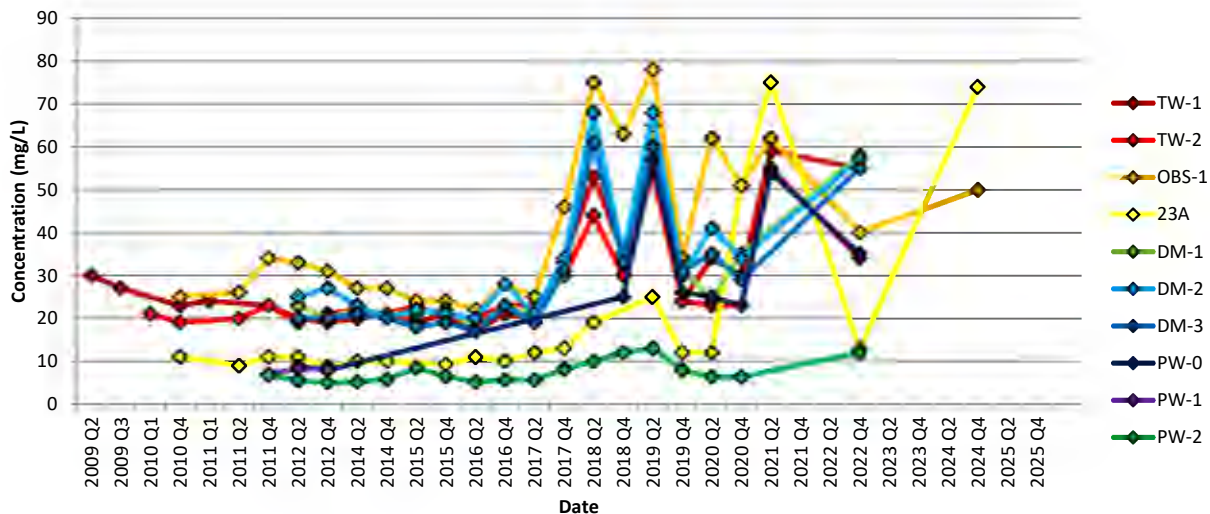


Chart 8: Iron

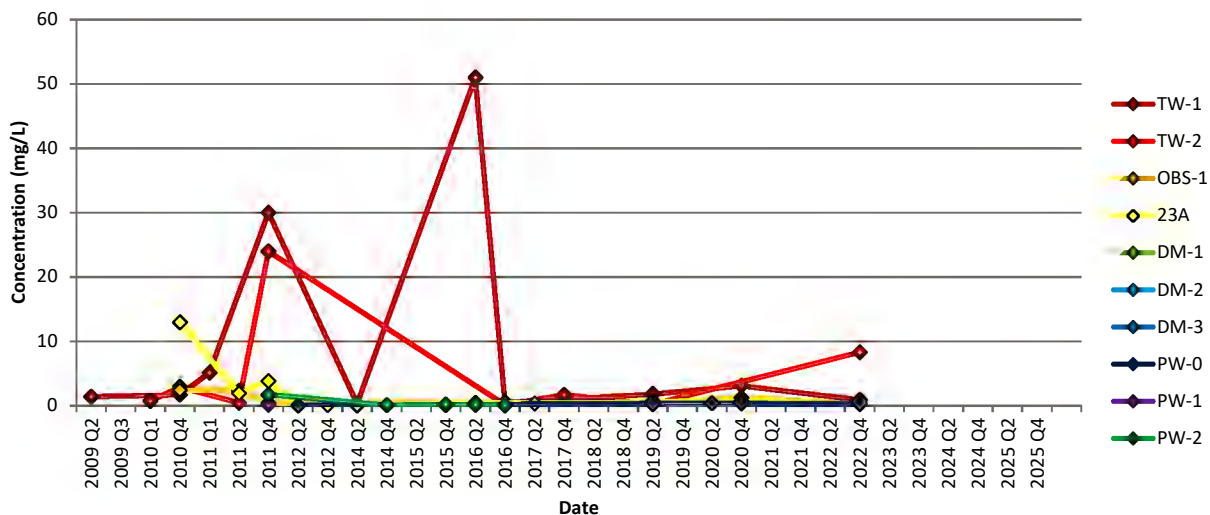


Chart 9: Magnesium

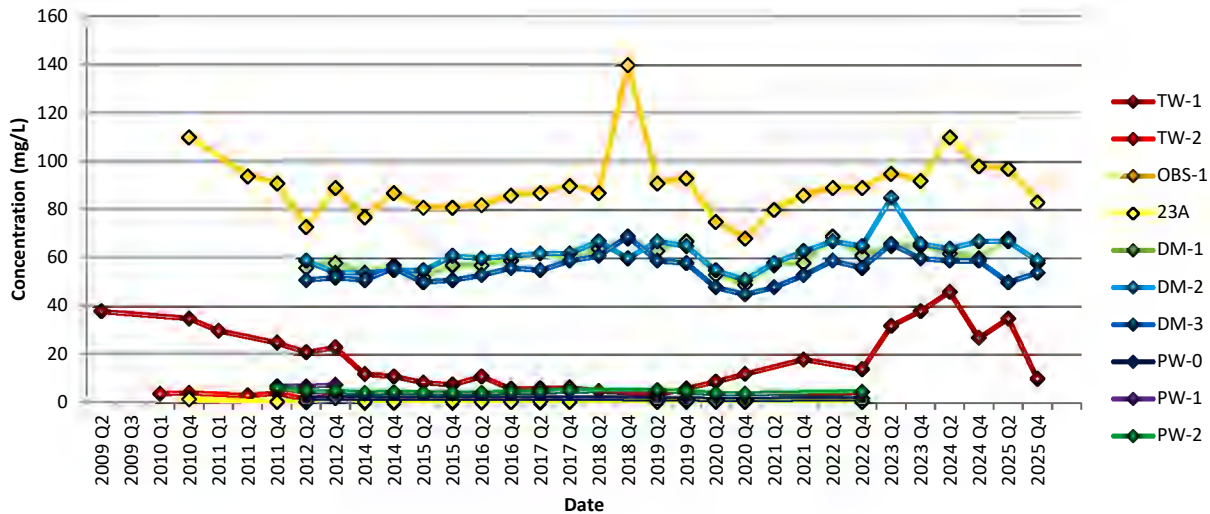


Chart 10: Antimony

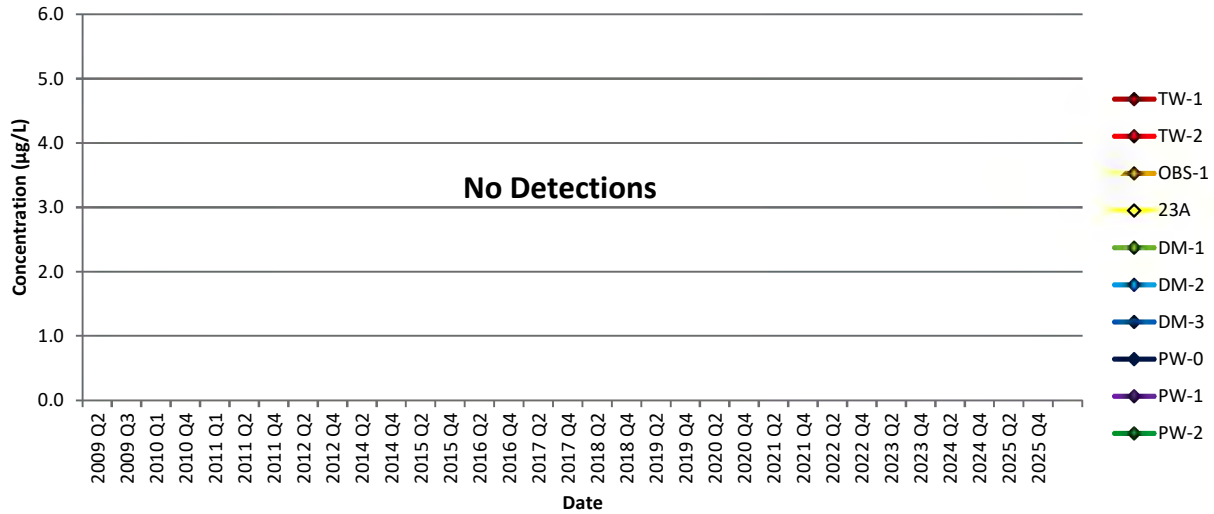


Chart 11: Arsenic

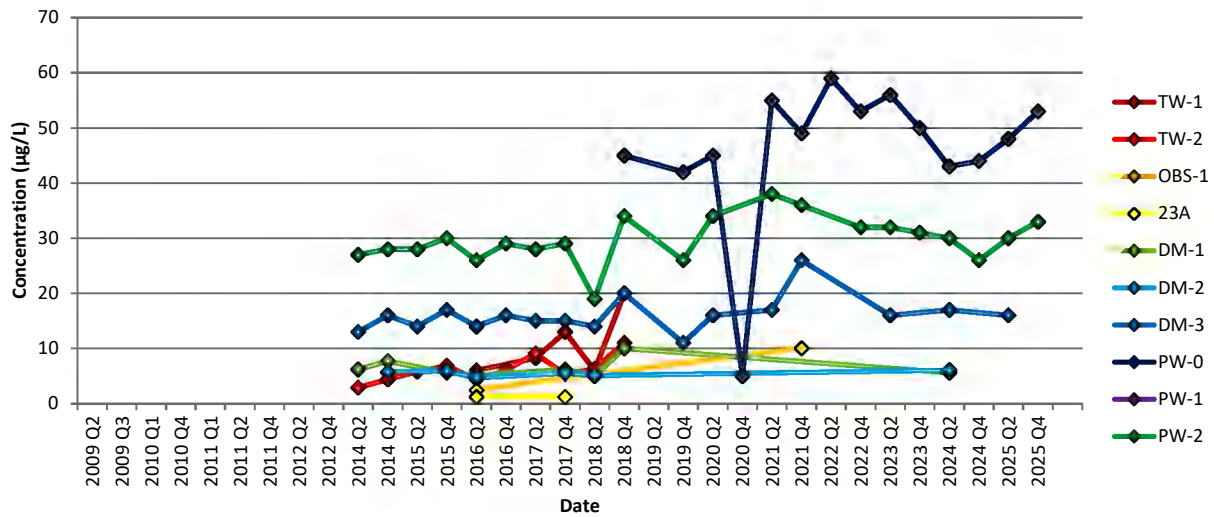
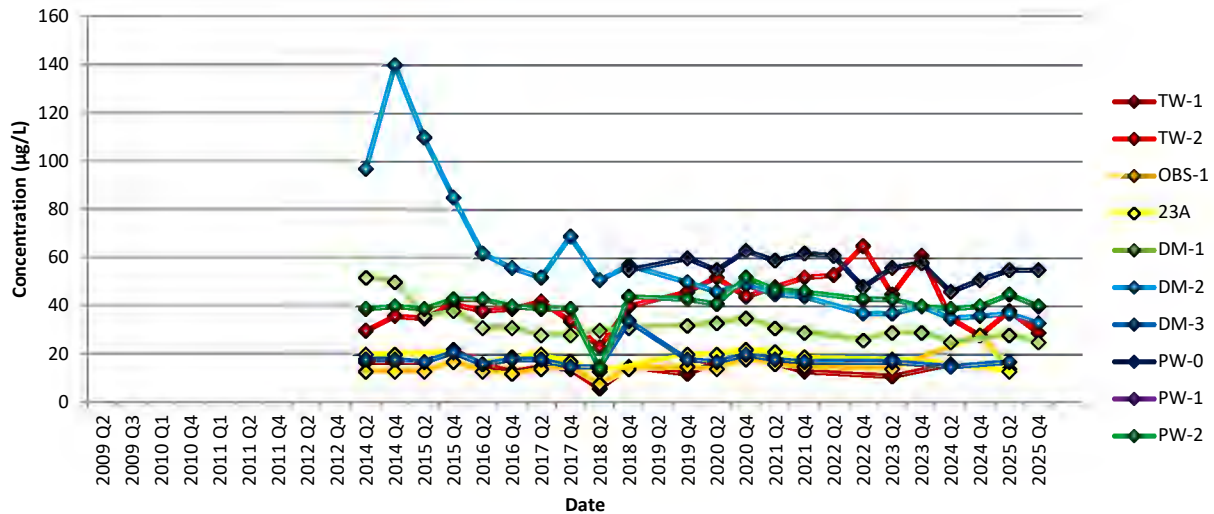


Chart 12: Barium



[illegible]

The graph displays the concentration of ten pesticides over time. The y-axis represents concentration in µg/L, ranging from 0 to 600. The x-axis represents time in quarters from 2009 Q2 to 2025 Q4. The pesticides are TW-1, TW-2, OBS-1, 23A, DM-1, DM-2, DM-3, PW-0, PW-1, and PW-2. TW-1 and TW-2 show significant peaks around 2010 Q4 and 2016 Q2. OBS-1 and 23A show a sharp peak around 2010 Q4. DM-1, DM-2, DM-3, PW-0, PW-1, and PW-2 show lower concentrations, generally below 100 µg/L, with some fluctuations.

Date	TW-1	TW-2	OBS-1	23A	DM-1	DM-2	DM-3	PW-0	PW-1	PW-2
2009 Q2	65	65	0	0	0	0	0	0	0	0
2009 Q3	70	70	0	0	0	0	0	0	0	0
2010 Q1	90	90	0	0	0	0	0	0	0	0
2010 Q2	140	140	60	60	0	0	0	0	0	0
2010 Q3	140	140	75	75	0	0	0	0	0	0
2010 Q4	140	140	500	500	0	0	0	0	0	0
2011 Q1	80	80	80	80	0	0	0	0	0	0
2011 Q2	80	80	80	80	0	0	0	0	0	0
2011 Q3	50	50	50	50	0	0	0	0	0	0
2011 Q4	50	50	50	50	0	0	0	0	0	0
2012 Q1	50	50	50	50	0	0	0	0	0	0
2012 Q2	50	50	50	50	0	0	0	0	0	0
2012 Q3	50	50	50	50	0	0	0	0	0	0
2012 Q4	50	50	50	50	0	110	0	0	0	0
2013 Q1	50	50	50	50	0	60	0	0	0	0
2013 Q2	50	50	50	50	0	60	0	0	0	0
2013 Q3	50	50	50	50	0	90	0	0	0	0
2013 Q4	50	50	50	50	0	90	0	0	0	0
2014 Q1	50	50	50	50	0	90	0	0	0	0
2014 Q2	50	50	50	50	0	60	0	0	0	0
2014 Q3	50	50	50	50	0	90	0	0	0	0
2014 Q4	50	50	50	50	0	90	0	0	0	0
2015 Q1	50	50	50	50	0	40	0	0	0	0
2015 Q2	50	50	50	50	0	40	0	0	0	0
2015 Q3	50	50	50	50	0	90	0	0	0	0
2015 Q4	50	50	50	50	0	90	0	0	0	0
2016 Q1	50	50	50	50	0	40	0	0	0	0
2016 Q2	310	310	50	50	0	60	0	0	0	0
2016 Q3	50	50	50	50	0	40	0	0	0	0
2016 Q4	50	50	50	50	0	40	0	0	0	0
2017 Q1	50	50	50	50	0	40	0	0	0	0
2017 Q2	50	50	50	50	0	40	0	0	0	0
2017 Q3	50	50	50	50	0	40	0	0	0	0
2017 Q4	50	50	50	50	0	40	0	0	0	0
2018 Q1	50	50	50	50	0	40	0	0	0	0
2018 Q2	50	50	50	50	0	40	0	0	0	0
2018 Q3	50	50	50	50	0	40	0	0	0	0
2018 Q4	50	50	50	50	0	40	0	0	0	0
2019 Q1	50	50	50	50	0	40	0	0	0	0
2019 Q2	50	50	50	50	0	40	0	0	0	0
2019 Q3	50	50	50	50	0	40	0	0	0	0
2019 Q4	50	50	50	50	0	40	0	0	0	0
2020 Q1	50	50	50	50	0	40	0	0	0	0
2020 Q2	50	50	50	50	0	40	0	0	0	0
2020 Q3	50	5								

The graph displays the concentration of a substance (in $\mu\text{g/L}$) over time (Date) for various monitoring points. The y-axis ranges from 0.0 to 14.0 $\mu\text{g/L}$ in increments of 2.0. The x-axis shows dates from 2009 Q2 to 2025 Q4 in 2-year increments. Data points are plotted for specific quarters, with some points connected by lines.

Monitoring Point	Date	Concentration ($\mu\text{g/L}$)
TW-1	2014 Q2	10.0
TW-2	2019 Q2	12.0
OBS-1	2017 Q4	2.0
23A	2019 Q2	12.0
DM-1	2017 Q4	2.0
DM-2	2017 Q4	2.0
DM-3	2017 Q4	2.0
PW-0	2017 Q4	2.0
PW-1	2017 Q4	2.0
PW-2	2017 Q4	2.0
PW-2	2021 Q4	0.5
23A	2021 Q4	1.0

Chart 19: Selenium

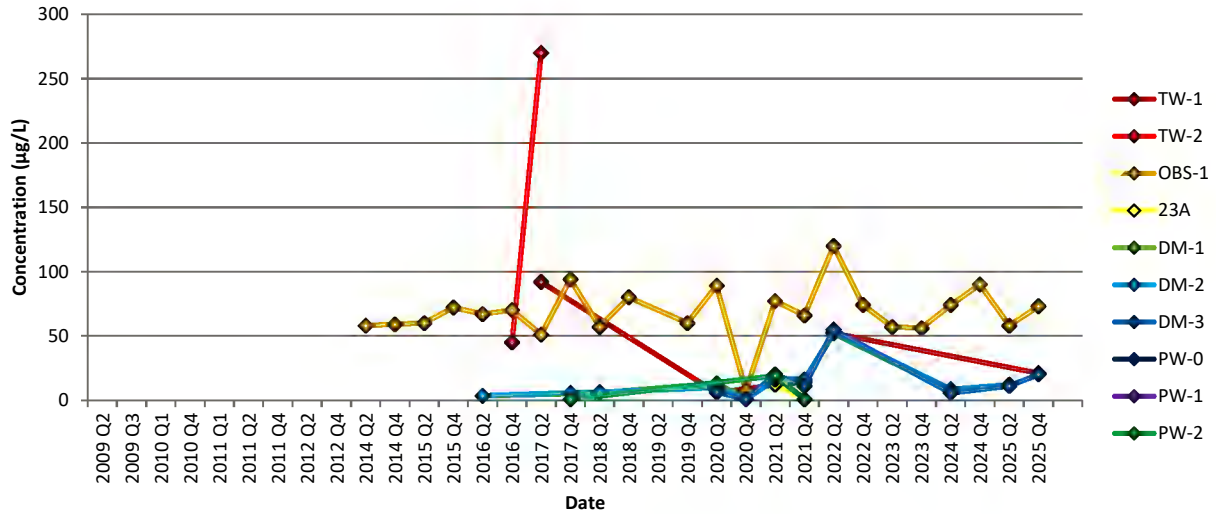


Chart 20: Zinc

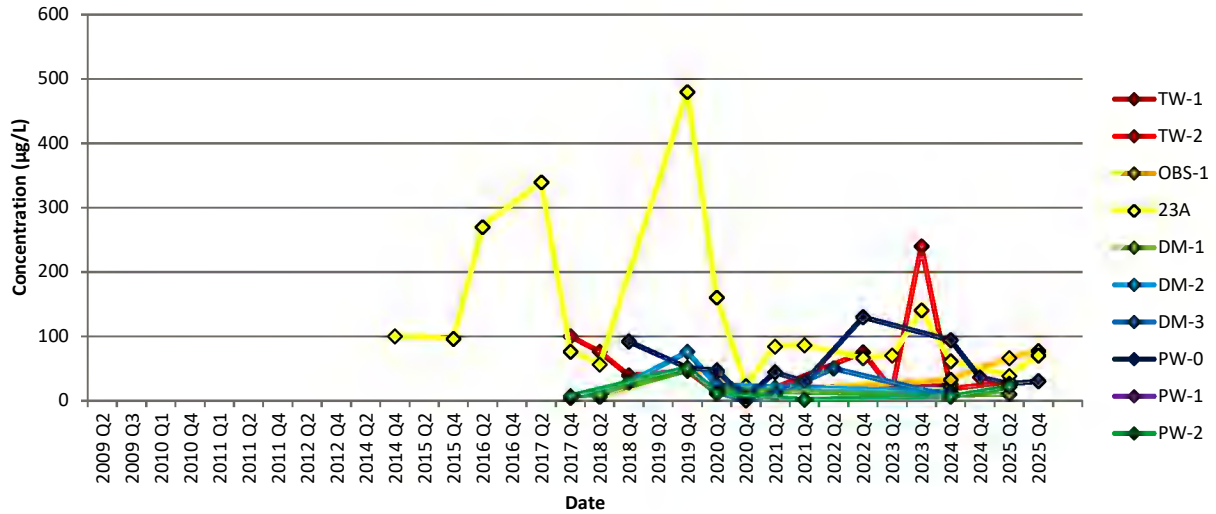


Chart 21: Mercury

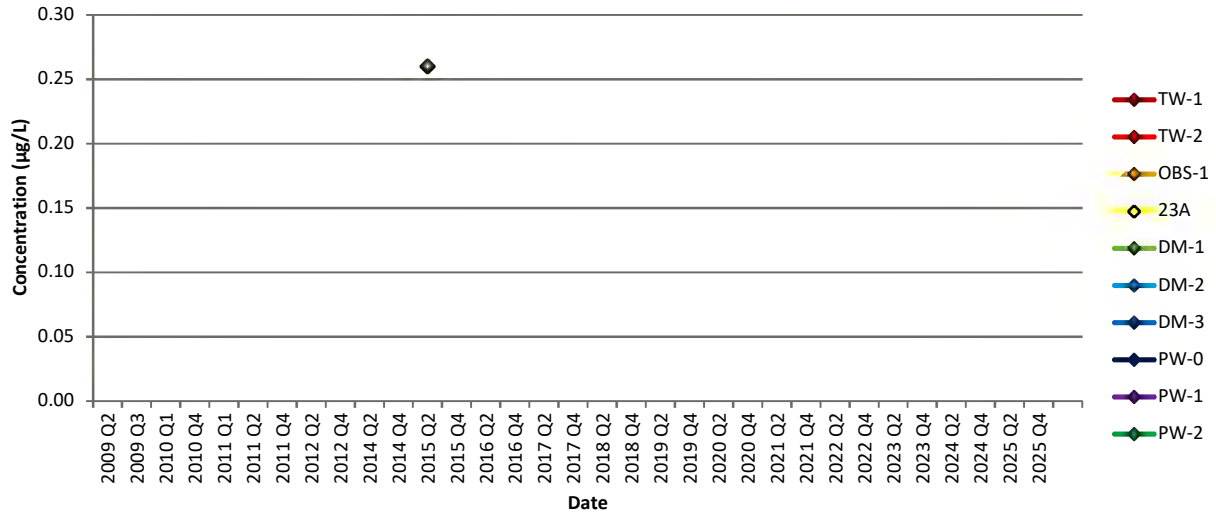


Chart 22: Total Dissolved Solids

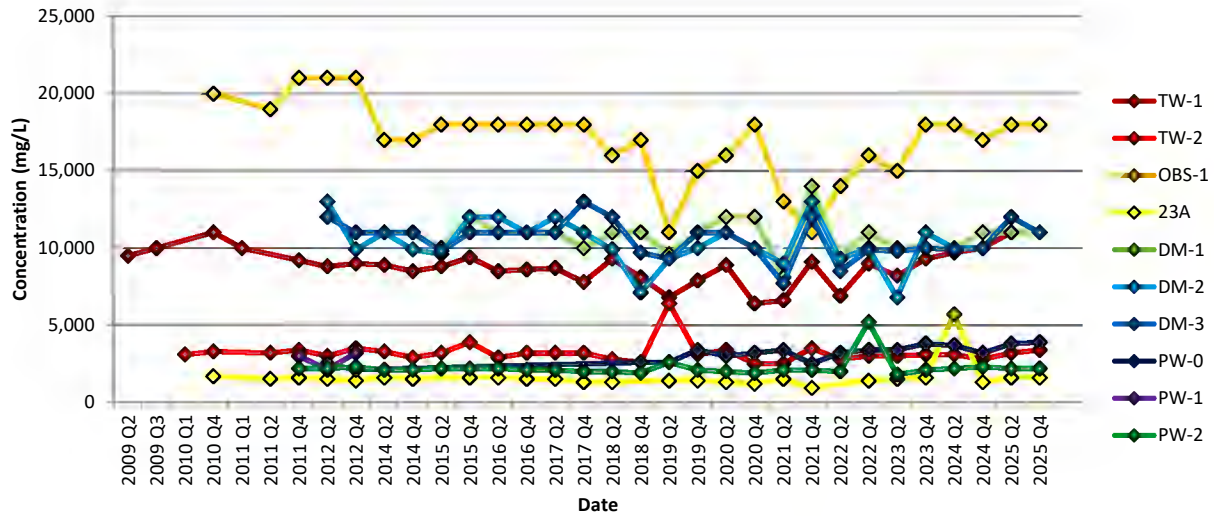


Chart 23: Specific Conductance

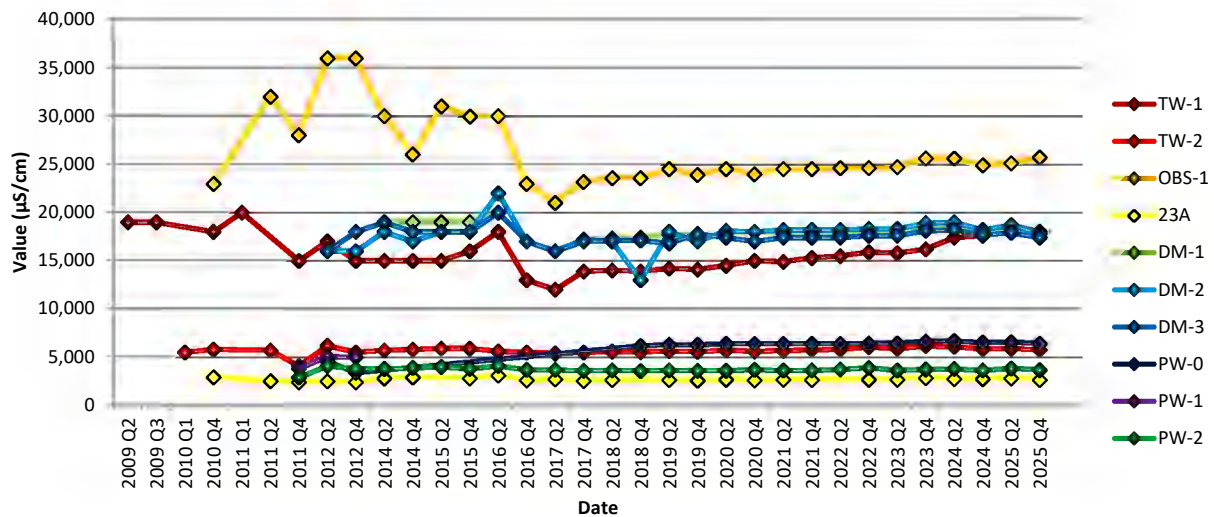


Chart 24: pH

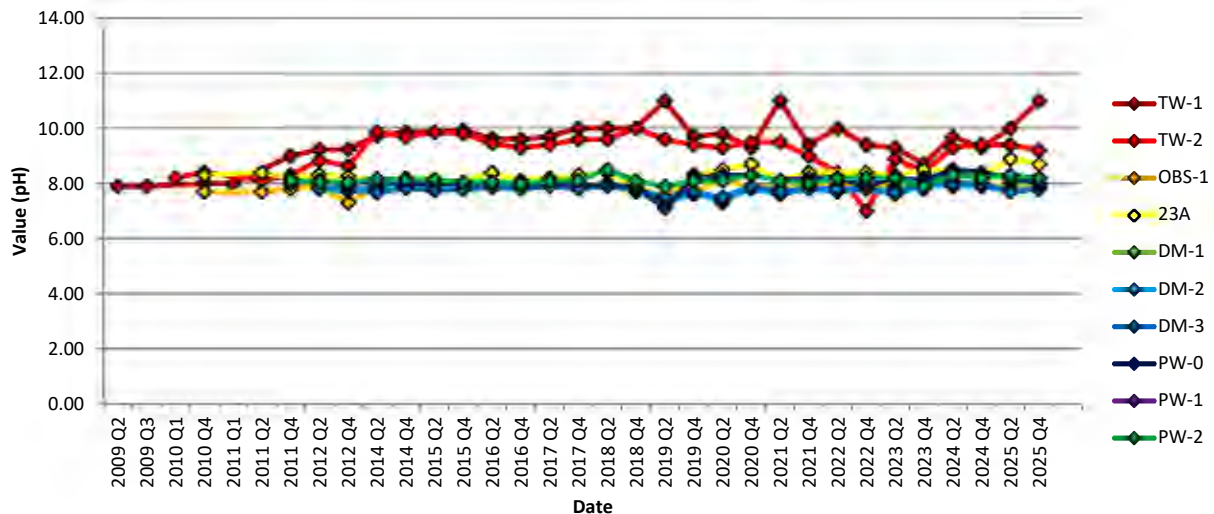


Chart 25: Oil & Grease

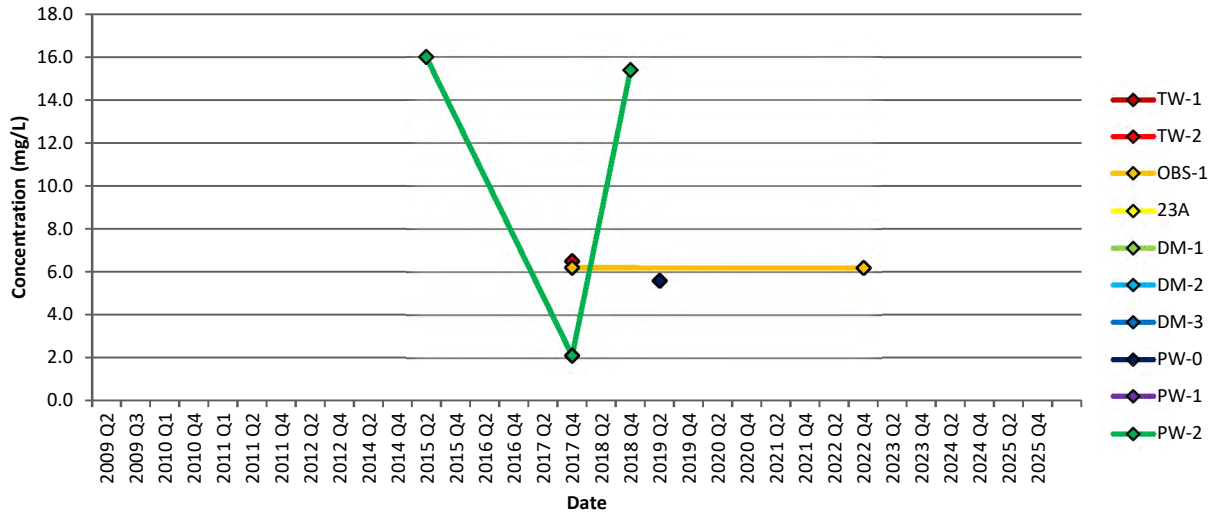


Chart 26: Heat Transfer Fluid

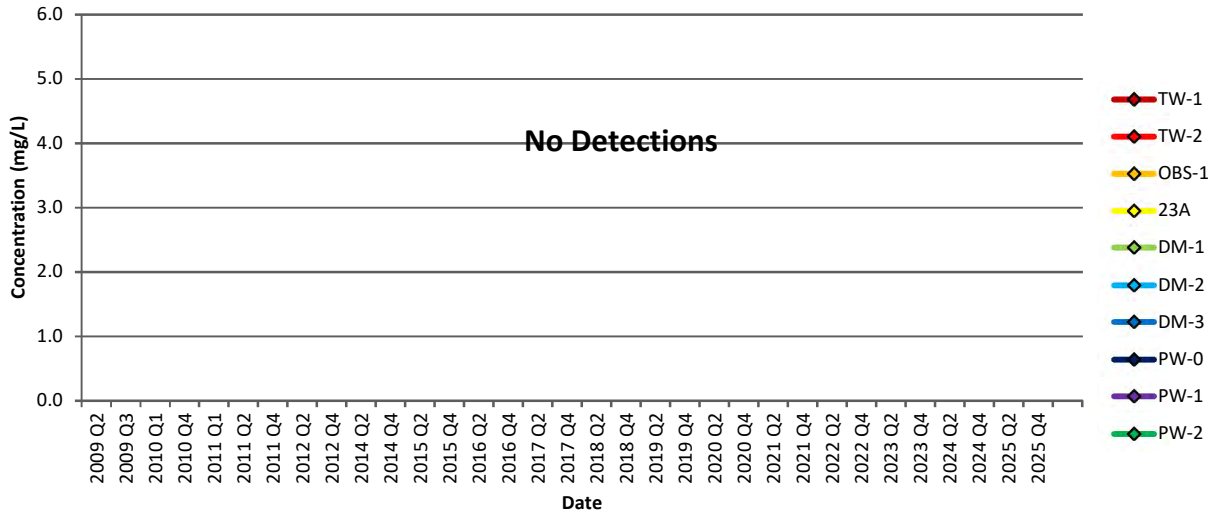


Chart 27: Deuterium

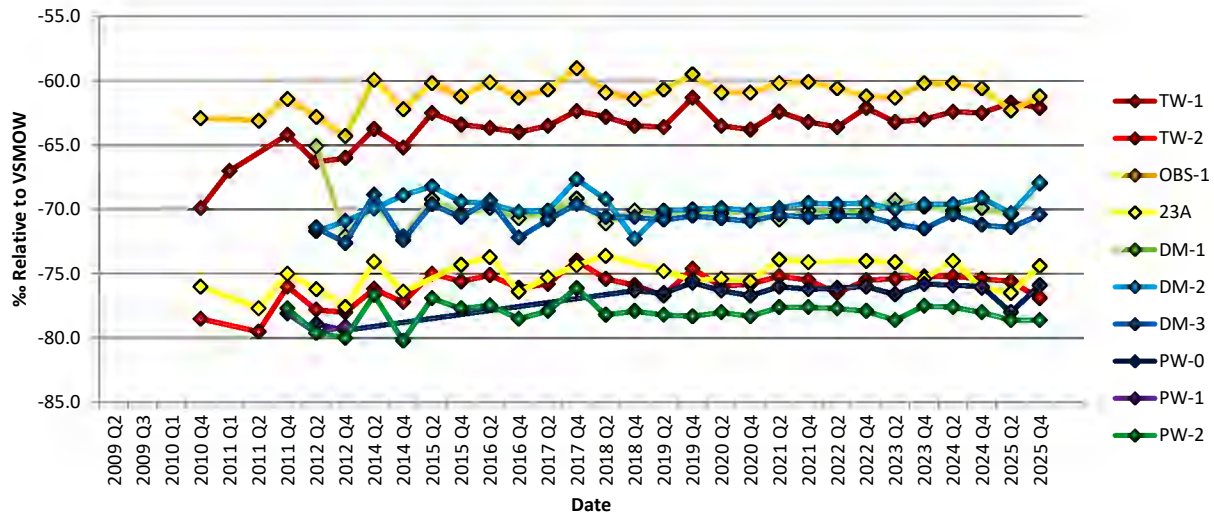
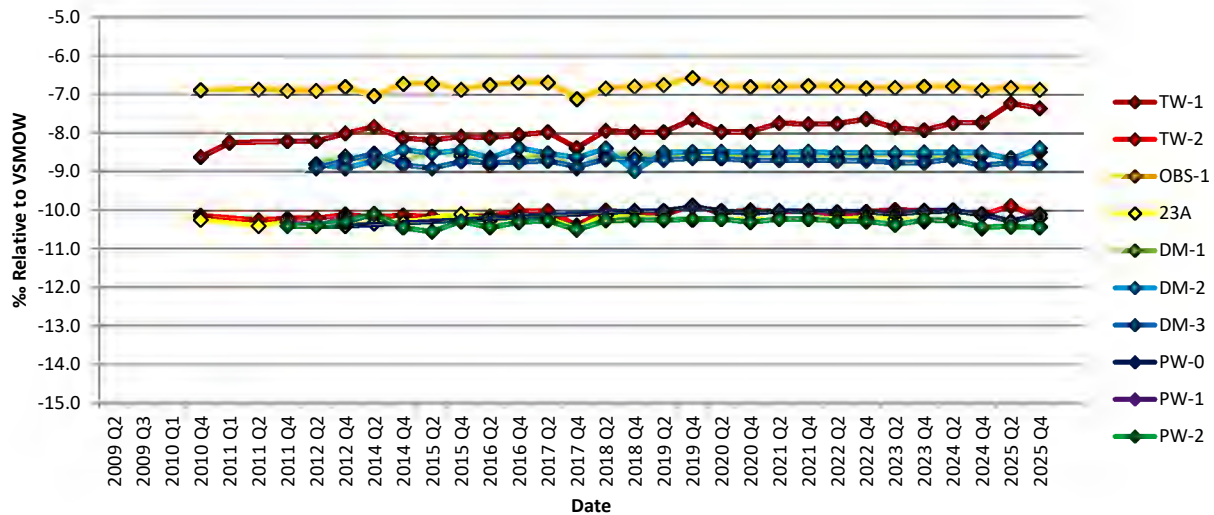
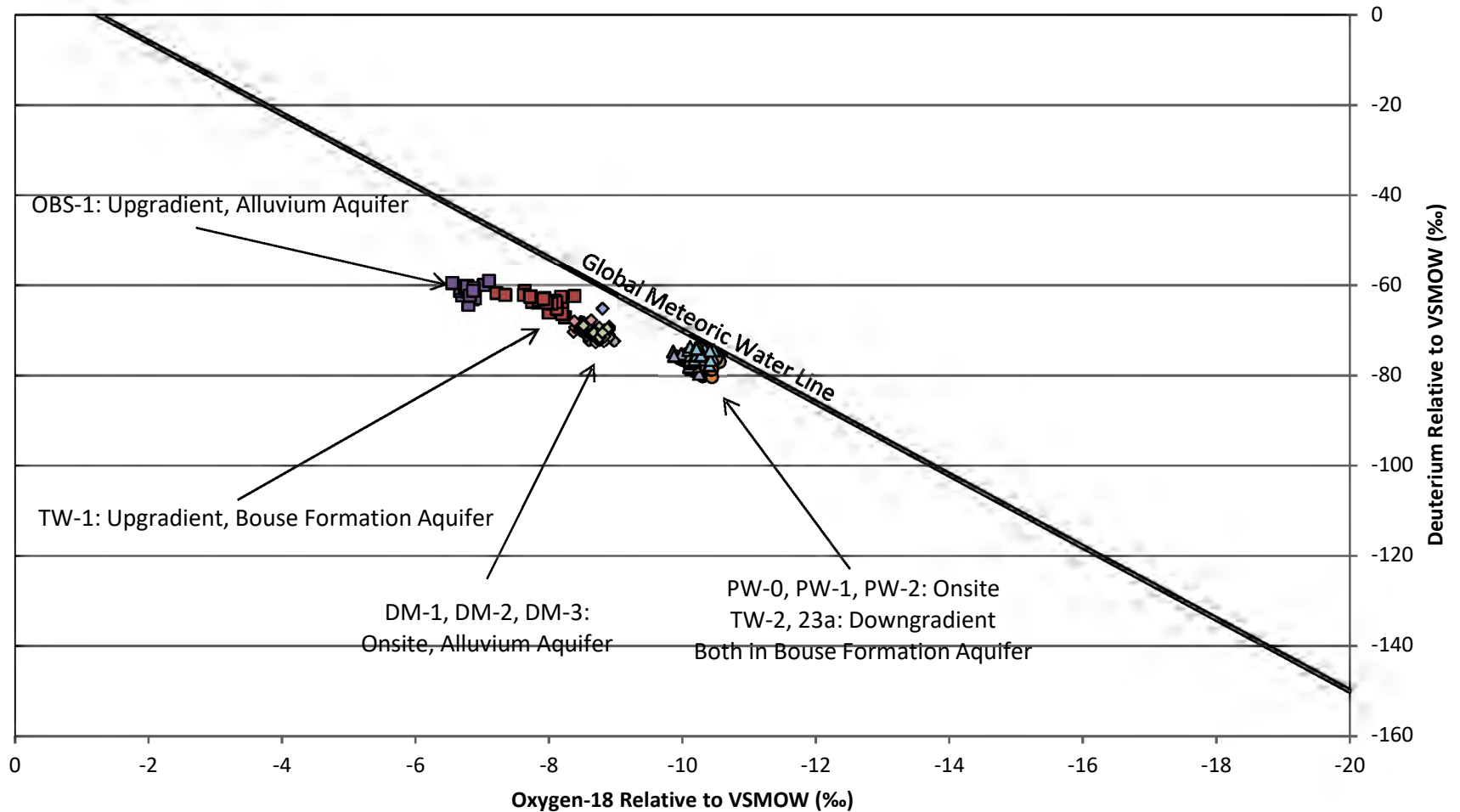


Chart 28: Oxygen-18



**Chart 29: Deuterium vs. Oxygen-18 Concentrations
Relative to Vienna Standard Mean Oceanic Water**



— Global Meteoric Water Line ■ TW-1 ■ OBS-1 ● PW-0 ● PW-1 ● PW-2 ◆ DM-1 ◆ DM-2 ◆ DM-3 ▲ TW-2 ▲ 23a

APPENDIX C

LABORATORY REPORTS



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

05 January 2026

Arlin Brewster
Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest, CA 92630
RE: Genesis Solar Groundwater

Enclosed are the results of analyses for samples received by the laboratory on 12/05/25 15:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee
Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
23a	T254964-01	Water	12/04/25 15:00	12/05/25 15:20
OBS-1	T254964-02	Water	12/04/25 14:00	12/05/25 15:20
TW-1	T254964-03	Water	12/04/25 13:45	12/05/25 15:20
TW-2	T254964-04	Water	12/04/25 15:30	12/05/25 15:20
PW-0	T254964-05	Water	12/05/25 05:50	12/05/25 15:20
PW-2	T254964-06	Water	12/05/25 06:05	12/05/25 15:20
DUP	T254964-07	Water	12/05/25 00:00	12/05/25 15:20

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

DETECTIONS SUMMARY

Sample ID: 23a

Laboratory ID: T254964-01

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Zinc	70	20		ug/l	200.8	FILT, R-01
Sodium	580	50		mg/l	EPA 200.7	FILT
pH	8.7	0.10		pH Units	SM 4500-H+B	
Total Dissolved Solids	1600	10		mg/l	TDS by SM2540C	
Specific Conductance (EC)	2650	10.0		mho/cm @25°C	SM2510b mod.	
Chloride	464	100		mg/l	EPA 300.0	
Sulfate as SO4	408	100		mg/l	EPA 300.0	

Sample ID: OBS-1

Laboratory ID: T254964-02

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Calcium	320	50		mg/l	EPA 200.7	FILT
Magnesium	83	10		mg/l	EPA 200.7	FILT
Selenium	73	20		ug/l	200.8	FILT, R-01
Zinc	77	20		ug/l	200.8	FILT, R-01
Sodium	5800	50		mg/l	EPA 200.7	FILT
Total Dissolved Solids	18000	10		mg/l	TDS by SM2540C	
pH	7.9	0.10		pH Units	SM 4500-H+B	
Specific Conductance (EC)	25700	10.0		mho/cm @25°C	SM2510b mod.	
Chloride	6180	2500		mg/l	EPA 300.0	
Sulfate as SO4	6570	2500		mg/l	EPA 300.0	
Nitrate as NO3	3.68	0.500		mg/l	EPA 300.0	O-07
Nitrate as N	0.832	0.200		mg/l	EPA 300.0	O-07

Sample ID: TW-1

Laboratory ID: T254964-03

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Calcium	150	50		mg/l	EPA 200.7	FILT
Magnesium	10	10		mg/l	EPA 200.7	FILT
Selenium	21	20		ug/l	200.8	FILT, R-01
Sodium	3900	50		mg/l	EPA 200.7	FILT

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

Sample ID: TW-1

Laboratory ID: T254964-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
pH	11	0.10	pH Units	SM 4500-H+B	
Total Dissolved Solids	11000	10	mg/l	TDS by SM2540C	
Specific Conductance (EC)	18000	10.0	mho/cm @25°C	SM2510b mod.	
Chloride	5420	2500	mg/l	EPA 300.0	
Sulfate as SO4	1940	500	mg/l	EPA 300.0	

Sample ID: TW-2

Laboratory ID: T254964-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	29	20	ug/l	200.8	FILT, R-01
Calcium	81	50	mg/l	EPA 200.7	FILT
Sodium	1100	50	mg/l	EPA 200.7	FILT
pH	9.2	0.10	pH Units	SM 4500-H+B	
Total Dissolved Solids	3400	10	mg/l	TDS by SM2540C	
Specific Conductance (EC)	5750	10.0	mho/cm @25°C	SM2510b mod.	
Chloride	1630	250	mg/l	EPA 300.0	
Sulfate as SO4	467	250	mg/l	EPA 300.0	

Sample ID: PW-0

Laboratory ID: T254964-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Arsenic	53	20	ug/l	200.8	FILT, R-01
Barium	55	20	ug/l	200.8	FILT, R-01
Calcium	120	50	mg/l	EPA 200.7	FILT
Zinc	30	20	ug/l	200.8	FILT, R-01
Sodium	1300	50	mg/l	EPA 200.7	FILT
pH	8.0	0.10	pH Units	SM 4500-H+B	
Total Dissolved Solids	3900	10	mg/l	TDS by SM2540C	
Specific Conductance (EC)	6410	10.0	mho/cm @25°C	SM2510b mod.	
Fluoride	5.44	0.500	mg/l	EPA 300.0	
Chloride	1760	250	mg/l	EPA 300.0	
Sulfate as SO4	592	250	mg/l	EPA 300.0	

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

Sample ID: PW-2

Laboratory ID: T254964-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Arsenic	32	20	ug/l	200.8	FILT, R-01
Barium	40	20	ug/l	200.8	FILT, R-01
Calcium	59	50	mg/l	EPA 200.7	FILT
Sodium	790	50	mg/l	EPA 200.7	FILT
Total Dissolved Solids	2200	10	mg/l	TDS by SM2540C	
pH	8.2	0.10	pH Units	SM 4500-H+B	
Specific Conductance (EC)	3670	10.0	mho/cm @25°C	SM2510b mod.	
Fluoride	5.68	0.500	mg/l	EPA 300.0	
Chloride	865	250	mg/l	EPA 300.0	
Sulfate as SO4	473	250	mg/l	EPA 300.0	

Sample ID: DUP

Laboratory ID: T254964-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Arsenic	33	20	ug/l	200.8	FILT, R-01
Barium	37	20	ug/l	200.8	FILT, R-01
Calcium	53	50	mg/l	EPA 200.7	FILT
Sodium	700	50	mg/l	EPA 200.7	FILT
pH	8.2	0.10	pH Units	SM 4500-H+B	
Total Dissolved Solids	2200	10	mg/l	TDS by SM2540C	
Specific Conductance (EC)	3680	10.0	mho/cm @25°C	SM2510b mod.	
Chloride	866	250	mg/l	EPA 300.0	
Sulfate as SO4	472	250	mg/l	EPA 300.0	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

23a
T254964-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	ND	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT, R-07
Copper	ND	0.50	"	"	"	"	12/10/25	"	FILT, R-07
Iron	ND	20	"	"	"	"	12/10/25	"	FILT, R-07
Magnesium	ND	10	"	"	"	"	"	"	FILT, R-07
Potassium	ND	50	"	"	"	"	"	"	FILT, R-07
Sodium	580	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0150	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	ND	20	"	"	"	"	"	"	FILT, R-01
Barium	ND	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	ND	20	"	"	"	"	"	"	FILT, R-01
Zinc	70	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	2650	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	8.7	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
Total Dissolved Solids	1600	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

23a

T254964-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	464	100	mg/l	20	25L0151	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO4	408	100	"	"	"	"	"	"	
Nitrate as NO3	ND	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	ND	0.200	"	"	"	"	"	"	O-07

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

OBS-1
T254964-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	320	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	12/10/25	"	FILT, R-07
Iron	ND	20	"	"	"	"	12/10/25	"	FILT, R-07
Magnesium	83	10	"	"	"	"	"	"	FILT
Potassium	ND	50	"	"	"	"	"	"	FILT, R-07
Sodium	5800	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0150	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	ND	20	"	"	"	"	"	"	FILT, R-01
Barium	ND	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	73	20	"	"	"	"	"	"	FILT, R-01
Zinc	77	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	25700	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	7.9	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
Total Dissolved Solids	18000	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

OBS-1

T254964-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	6180	2500	mg/l	500	25L0151	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO4	6570	2500	"	"	"	"	"	"	
Nitrate as NO3	3.68	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	0.832	0.200	"	"	"	"	"	"	O-07

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

TW-1

T254964-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	150	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	"	"	FILT, R-07
Iron	ND	20	"	"	"	"	"	"	FILT, R-07
Magnesium	10	10	"	"	"	"	"	"	FILT
Potassium	ND	50	"	"	"	"	"	"	FILT, R-07
Sodium	3900	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0150	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	ND	20	"	"	"	"	"	"	FILT, R-01
Barium	ND	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	21	20	"	"	"	"	"	"	FILT, R-01
Zinc	ND	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	18000	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	11	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
Total Dissolved Solids	11000	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

TW-1

T254964-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	5420	2500	mg/l	500	25L0151	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO4	1940	500	"	100	"	"	12/08/25	"	
Nitrate as NO3	ND	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	ND	0.200	"	"	"	"	"	"	O-07

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

TW-2
T254964-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	81	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	"	"	FILT, R-07
Iron	ND	20	"	"	"	"	"	"	FILT, R-07
Magnesium	ND	10	"	"	"	"	"	"	FILT, R-07
Potassium	ND	50	"	"	"	"	"	"	FILT, R-07
Sodium	1100	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0150	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	ND	20	"	"	"	"	"	"	FILT, R-01
Barium	29	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	ND	20	"	"	"	"	"	"	FILT, R-01
Zinc	ND	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	5750	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	9.2	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
Total Dissolved Solids	3400	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

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Jeff Lee, Project Manager



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Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

TW-2

T254964-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	1630	250	mg/l	50	25L0151	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO4	467	250	"	"	"	"	"	"	
Nitrate as NO3	ND	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	ND	0.200	"	"	"	"	"	"	O-07

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

PW-0

T254964-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	120	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	12/10/25	"	FILT, R-07
Iron	ND	20	"	"	"	"	12/10/25	"	FILT, R-07
Magnesium	ND	10	"	"	"	"	"	"	FILT, R-07
Potassium	ND	50	"	"	"	"	"	"	FILT, R-07
Sodium	1300	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0150	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	53	20	"	"	"	"	"	"	FILT, R-01
Barium	55	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	ND	20	"	"	"	"	"	"	FILT, R-01
Zinc	30	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	6410	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	8.0	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
Total Dissolved Solids	3900	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

PW-0

T254964-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Fluoride	5.44	0.500	mg/l	1	25L0151	12/08/25	12/08/25	EPA 300.0	
Chloride	1760	250	"	50	"	"	12/08/25	"	
Sulfate as SO4	592	250	"	"	"	"	"	"	
Nitrate as NO3	ND	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	ND	0.200	"	"	"	"	"	"	O-07

SunStar Laboratories, Inc.

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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

PW-2
T254964-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	59	50	mg/l	100	25L0189	12/09/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	12/10/25	"	FILT, R-07
Iron	ND	20	"	"	"	"	12/10/25	"	FILT, R-07
Magnesium	ND	10	"	"	"	"	"	"	FILT, R-07
Potassium	ND	50	"	"	"	"	"	"	FILT, R-07
Sodium	790	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0150	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	32	20	"	"	"	"	"	"	FILT, R-01
Barium	40	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	ND	20	"	"	"	"	"	"	FILT, R-01
Zinc	ND	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	3670	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	8.2	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
Total Dissolved Solids	2200	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

PW-2

T254964-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Fluoride	5.68	0.500	mg/l	1	25L0151	12/08/25	12/08/25	EPA 300.0	
Chloride	865	250	"	50	"	"	12/08/25	"	
Sulfate as SO4	473	250	"	"	"	"	"	"	
Nitrate as NO3	ND	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	ND	0.200	"	"	"	"	"	"	O-07

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

DUP

T254964-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	53	50	mg/l	100	25L0189	12/09/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	12/10/25	"	FILT, R-07
Iron	ND	20	"	"	"	"	12/10/25	"	FILT, R-07
Magnesium	ND	10	"	"	"	"	"	"	FILT, R-07
Potassium	ND	50	"	"	"	"	"	"	FILT, R-07
Sodium	700	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0150	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	33	20	"	"	"	"	"	"	FILT, R-01
Barium	37	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	ND	20	"	"	"	"	"	"	FILT, R-01
Zinc	ND	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	3680	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	8.2	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
Total Dissolved Solids	2200	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

DUP

T254964-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	866	250	mg/l	50	25L0151	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO4	472	250	"	"	"	"	"	"	
Nitrate as NO3	ND	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	ND	0.200	"	"	"	"	"	"	O-07

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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

Metals by EPA 200 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0146 - EPA 3010A

Blank (25L0146-BLK1)

Prepared: 12/06/25 Analyzed: 12/10/25

Calcium	ND	0.50	mg/l
Copper	ND	0.005	"
Iron	ND	0.20	"
Magnesium	ND	0.10	"
Potassium	ND	0.50	"
Sodium	ND	0.50	"

LCS (25L0146-BS1)

Prepared: 12/06/25 Analyzed: 12/10/25

Calcium	1.97	0.50	mg/l	2.00	98.6	80-120
Copper	2.00	0.005	"	2.00	100	85-115
Iron	1.99	0.20	"	2.00	99.6	80-120
Magnesium	1.97	0.10	"	2.00	98.7	80-120
Potassium	1.93	0.50	"	2.00	96.3	80-120
Sodium	1.93	0.50	"	2.00	96.3	80-120

Matrix Spike (25L0146-MS1)

Source: T254963-01

Prepared: 12/06/25 Analyzed: 12/10/25

Calcium	253	50	mg/l	2.00	237	813	70-130		QM-4X
Copper	1.80	0.50	"	2.00	ND	89.8	70-130		
Iron	1.40	20	"	2.00	ND	69.8	70-130		QM-07, R-07
Magnesium	62.7	10	"	2.00	58.1	228	70-130		QM-4X
Potassium	20.4	50	"	2.00	ND	NR	70-130		QM-4X
Sodium	4060	50	"	2.00	3820	NR	70-130		QM-4X

Matrix Spike Dup (25L0146-MSD1)

Source: T254963-01

Prepared: 12/06/25 Analyzed: 12/10/25

Calcium	243	50	mg/l	2.00	237	302	70-130	4.12	30	QM-4X
Copper	1.71	0.50	"	2.00	ND	85.6	70-130	4.77	30	
Iron	1.65	20	"	2.00	ND	82.3	70-130	16.4	30	R-07
Magnesium	60.3	10	"	2.00	58.1	112	70-130	3.78	30	
Potassium	19.7	50	"	2.00	ND	987	70-130	3.04	30	QM-4X
Sodium	3850	50	"	2.00	3820	NR	70-130	5.24	30	QM-4X

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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

Metals by EPA 200 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0150 - EPA 3010A

Blank (25L0150-BLK1)

Prepared: 12/08/25 Analyzed: 12/09/25

Antimony	ND	0.50	ug/l							R-01
Arsenic	ND	0.50	"							R-01
Barium	ND	0.50	"							R-01
Cadmium	ND	0.50	"							R-01
Chromium	ND	0.50	"							R-01
Cobalt	ND	0.50	"							R-01
Lead	ND	0.50	"							R-01
Nickel	ND	0.50	"							R-01
Selenium	ND	0.50	"							R-01
Zinc	ND	0.50	"							R-01

LCS (25L0150-BS1)

Prepared: 12/08/25 Analyzed: 12/09/25

Arsenic	26.8	0.50	ug/l	25.0		107	85-115			R-01
Barium	24.1	0.50	"	25.0		96.3	85-115			R-01
Cadmium	25.4	0.50	"	25.0		102	85-115			R-01
Chromium	24.3	0.50	"	25.0		97.3	85-115			R-01
Lead	23.6	0.50	"	25.0		94.6	85-115			R-01

Matrix Spike (25L0150-MS1)

Source: T254964-01

Prepared: 12/08/25 Analyzed: 12/09/25

Arsenic	30.4	20	ug/l	25.0	3.60	107	70-130			R-01
Barium	37.2	20	"	25.0	13.6	94.4	70-130			R-01
Cadmium	23.6	20	"	25.0	0.400	92.8	70-130			R-01
Chromium	25.2	20	"	25.0	ND	101	70-130			R-01
Lead	26.0	20	"	25.0	2.00	96.0	70-130			R-01

Matrix Spike Dup (25L0150-MSD1)

Source: T254964-01

Prepared: 12/08/25 Analyzed: 12/09/25

Arsenic	30.8	20	ug/l	25.0	3.60	109	70-130	1.31	20	R-01
Barium	36.0	20	"	25.0	13.6	89.6	70-130	3.28	20	R-01
Cadmium	22.8	20	"	25.0	0.400	89.6	70-130	3.45	20	R-01
Chromium	25.6	20	"	25.0	ND	102	70-130	1.57	20	R-01
Lead	25.2	20	"	25.0	2.00	92.8	70-130	3.12	20	R-01

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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

Metals by EPA 200 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0189 - EPA 3010A

Blank (25L0189-BLK1)

Prepared: 12/09/25 Analyzed: 12/10/25

Calcium	ND	0.50	mg/l
Copper	ND	0.005	"
Iron	ND	0.20	"
Magnesium	ND	0.10	"
Potassium	ND	0.50	"
Sodium	ND	0.50	"

LCS (25L0189-BS1)

Prepared: 12/09/25 Analyzed: 12/10/25

Calcium	1.86	0.50	mg/l	2.00	93.1	80-120
Copper	1.87	0.005	"	2.00	93.6	85-115
Iron	1.86	0.20	"	2.00	93.2	80-120
Magnesium	1.85	0.10	"	2.00	92.6	80-120
Potassium	1.87	0.50	"	2.00	93.6	80-120
Sodium	1.82	0.50	"	2.00	90.8	80-120

Matrix Spike (25L0189-MS1)

Source: T254985-05

Prepared: 12/09/25 Analyzed: 12/10/25

Calcium	136	0.50	mg/l	2.00	134	128	70-130	
Copper	1.70	0.005	"	2.00	0.002	84.9	70-130	
Iron	1.79	0.20	"	2.00	0.037	87.7	70-130	
Magnesium	77.9	0.10	"	2.00	76.0	97.0	70-130	
Potassium	5.63	0.50	"	2.00	ND	281	70-130	QM-06
Sodium	292	5.0	"	2.00	ND	NR	70-130	QM-4X

Matrix Spike Dup (25L0189-MSD1)

Source: T254985-05

Prepared: 12/09/25 Analyzed: 12/10/25

Calcium	139	0.50	mg/l	2.00	134	295	70-130	2.43	30	QM-4X
Copper	1.71	0.005	"	2.00	0.002	85.2	70-130	0.322	30	
Iron	1.79	0.20	"	2.00	0.037	87.9	70-130	0.241	30	
Magnesium	79.6	0.10	"	2.00	76.0	181	70-130	2.12	30	QM-4X
Potassium	5.64	0.50	"	2.00	ND	282	70-130	0.279	30	QM-06
Sodium	303	5.0	"	2.00	ND	NR	70-130	3.77	30	QM-4X

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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0148 - EPA 7470A Water

Blank (25L0148-BLK1)

Prepared: 12/06/25 Analyzed: 12/09/25

Mercury	ND	1.0	ug/l
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LCS (25L0148-BS1)

Prepared: 12/06/25 Analyzed: 12/09/25

Mercury	7.48	1.0	ug/l	7.50	99.8	80-120
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Matrix Spike (25L0148-MS1)

Source: T254963-03

Prepared: 12/06/25 Analyzed: 12/09/25

Mercury	6.45	1.0	ug/l	7.50	ND	86.0	80-120
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Matrix Spike Dup (25L0148-MSD1)

Source: T254963-03

Prepared: 12/06/25 Analyzed: 12/09/25

Mercury	6.31	1.0	ug/l	7.50	ND	84.1	80-120	2.24	20
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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0142 - 418.1 / 5520C&F Mod.

Blank (25L0142-BLK1)

Prepared & Analyzed: 12/08/25

Oil & Grease	ND	5.00	mg/l
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LCS (25L0142-BS1)

Prepared & Analyzed: 12/08/25

Oil & Grease	33.8	5.00	mg/l	39.6	85.4	78-114
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LCS Dup (25L0142-BSD1)

Prepared & Analyzed: 12/08/25

Oil & Grease	36.3	5.00	mg/l	39.6	91.7	78-114	7.13	20
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Batch 25L0154 - General Preparation

Duplicate (25L0154-DUP1)

Source: T254963-01

Prepared & Analyzed: 12/08/25

pH	7.97	0.10	pH Units	7.96	0.126	10
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Batch 25L0164 - General Preparation

Blank (25L0164-BLK1)

Prepared: 12/08/25 Analyzed: 12/10/25

Total Dissolved Solids	ND	10	mg/l
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LCS (25L0164-BS1)

Prepared: 12/08/25 Analyzed: 12/10/25

Total Dissolved Solids	531	10	mg/l	500	106	80-120
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Duplicate (25L0164-DUP1)

Source: T254923-01

Prepared: 12/08/25 Analyzed: 12/10/25

Total Dissolved Solids	1690	10	mg/l	1690	0.0592	20
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Batch 25L0166 - General Preparation

Duplicate (25L0166-DUP1)

Source: T254963-01

Prepared & Analyzed: 12/08/25

Specific Conductance (EC)	17700	10.0	umho/cm @25°C	17800	0.450	15
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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

Anions by EPA Method 300.0 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0151 - General Preparation

Blank (25L0151-BLK1)

Prepared & Analyzed: 12/08/25

Fluoride	ND	0.500	mg/l
Chloride	ND	5.00	"
Sulfate as SO ₄	ND	5.00	"
Nitrate as NO ₃	ND	0.500	"
Nitrate as N	ND	0.200	"

LCS (25L0151-BS1)

Prepared & Analyzed: 12/08/25

Fluoride	27.2	0.500	mg/l	25.0	109	75-125
Chloride	26.7	5.00	"	25.0	107	75-125
Sulfate as SO ₄	26.9	5.00	"	25.0	108	75-125
Nitrate as NO ₃	27.2	0.500	"	25.0	109	75-125

Matrix Spike (25L0151-MS1)

Source: T254964-01

Prepared & Analyzed: 12/08/25

Fluoride	29.6	0.500	mg/l	25.0	8.18	85.6	75-125	
Chloride	450	100	"	25.0	464	NR	75-125	QM-07
Sulfate as SO ₄	404	100	"	25.0	408	NR	75-125	QM-07
Nitrate as NO ₃	24.7	0.500	"	25.0	ND	98.6	75-125	

Matrix Spike Dup (25L0151-MSD1)

Source: T254964-01

Prepared & Analyzed: 12/08/25

Fluoride	29.3	0.500	mg/l	25.0	8.18	84.4	75-125	1.04	20	
Chloride	448	100	"	25.0	464	NR	75-125	0.418	20	QM-07
Sulfate as SO ₄	397	100	"	25.0	408	NR	75-125	1.79	20	QM-07
Nitrate as NO ₃	24.6	0.500	"	25.0	ND	98.2	75-125	0.431	20	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:52

Notes and Definitions

R-07 Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix effect.

R-01 The Reporting Limit has been raised to account for dilution necessary due to matrix interference.

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

QM-07 The spike recovery and/or RPD was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The batch was accepted based on acceptable LCS recovery.

QM-06 Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

O-07 The sample was analyzed outside the EPA recommended holding time of 48 hours.

O-04 This sample was received and analyzed outside the EPA recommended holding time.

FILT The sample was filtered prior to analysis.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Jeff Lee, Project Manager

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Northstar Environmental Remediation
Address: 26225 Enterprise Court, Lake Forest, CA 92630
Phone: 949-274-1719
Project Manager: Arlin Brewster

Date: Page: 1 of 1
Project Name: Genesis Solar Groundwater
Collector: Arlin Brewster Client Project #: 196-004-07
Batch #: T254964 EDF #: T10000006093

[illegible]

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T 254964

Client Name: Northstar Environmental Remediation

Project: Genesis Solar Groundwater

Delivered by: ☒ Client ☐ SunStar Courier ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by: _____

Date/Time Courier

Received: _____

Lab Received by: Dave

Date/Time Lab

Received: 12.5.25 15:20

Total number of coolers received: 1 Thermometer ID: SC-1 Calibration due: 11/19/2025

Temperature: Cooler #1	<u>4.8</u> °C +/- the CF (+ 0.1°C) =	<u>4.9</u> °C	corrected temperature
Temperature: Cooler #2	°C +/- the CF (+ 0.1°C) =		°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (+ 0.1°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	☒ Yes ☐ No ☐ N/A
If NO:			
Samples received on ice?	☐ Yes	☐ No → Complete Non-Conformance Sheet	
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ No → Complete Non-Conformance Sheet	

Custody seals intact on cooler/sample

☐ Yes ☐ No* ☒ N/A

Sample containers intact

☒ Yes ☐ No*

Sample labels match Chain of Custody IDs

☒ Yes ☐ No*

Total number of containers received match COC

☒ Yes ☐ No*

Proper containers received for analyses requested on COC

☒ Yes ☐ No*

Proper preservative indicated on COC/containers for analyses requested

☒ Yes ☐ No* ☐ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times

☒ Yes ☐ No*

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: DM 12.5.25

Comments:



ANALYTICAL REPORT

PREPARED FOR

Attn: Jeff Lee
SunStar Laboratories Inc
25712 Commercentre Drive
Lake Forest, California 92630

Generated 12/19/2025 12:13:36 PM

JOB DESCRIPTION

T254964

JOB NUMBER

570-258802-1

Eurofins Calscience

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



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12/19/2025 12:13:36 PM

Authorized for release by
Sandy Tat, Project Manager I
Sandy.Tat@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

Glossary

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

Case Narrative

Client: SunStar Laboratories Inc
Project: T254964

Job ID: 570-258802-1

Job ID: 570-258802-1

Eurofins Calscience

Job Narrative 570-258802-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/8/2025 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Diesel Range Organics

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

Eurofins Calscience

Detection Summary

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

Client Sample ID: T254964-01

Lab Sample ID: 570-258802-1

No Detections.

Client Sample ID: T254964-02

Lab Sample ID: 570-258802-2

No Detections.

Client Sample ID: T254964-03

Lab Sample ID: 570-258802-3

No Detections.

Client Sample ID: T254964-04

Lab Sample ID: 570-258802-4

No Detections.

Client Sample ID: T254964-05

Lab Sample ID: 570-258802-5

No Detections.

Client Sample ID: T254964-06

Lab Sample ID: 570-258802-6

No Detections.

Client Sample ID: T254964-07

Lab Sample ID: 570-258802-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: T254964-01
Date Collected: 12/04/25 15:00
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258802-1
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		97	ug/L		12/11/25 10:07	12/18/25 19:41	1
1,1'-Biphenyl	ND		97	ug/L		12/11/25 10:07	12/18/25 19:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	92		53 - 151			12/11/25 10:07	12/18/25 19:41	1

Client Sample ID: T254964-02
Date Collected: 12/04/25 14:00
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258802-2
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		97	ug/L		12/11/25 10:07	12/18/25 20:06	1
1,1'-Biphenyl	ND		97	ug/L		12/11/25 10:07	12/18/25 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	91		53 - 151			12/11/25 10:07	12/18/25 20:06	1

Client Sample ID: T254964-03
Date Collected: 12/04/25 13:45
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258802-3
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		99	ug/L		12/11/25 10:07	12/18/25 20:31	1
1,1'-Biphenyl	ND		99	ug/L		12/11/25 10:07	12/18/25 20:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	89		53 - 151			12/11/25 10:07	12/18/25 20:31	1

Client Sample ID: T254964-04
Date Collected: 12/04/25 15:30
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258802-4
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		97	ug/L		12/11/25 10:07	12/18/25 20:56	1
1,1'-Biphenyl	ND		97	ug/L		12/11/25 10:07	12/18/25 20:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	80		53 - 151			12/11/25 10:07	12/18/25 20:56	1

Client Sample ID: T254964-05
Date Collected: 12/04/25 05:50
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258802-5
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		87	ug/L		12/11/25 10:07	12/18/25 21:21	1
1,1'-Biphenyl	ND		87	ug/L		12/11/25 10:07	12/18/25 21:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	90		53 - 151			12/11/25 10:07	12/18/25 21:21	1

Client Sample ID: T254964-06
Date Collected: 12/04/25 06:05
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258802-6
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		99	ug/L		12/11/25 10:07	12/18/25 21:46	1
1,1'-Biphenyl	ND		99	ug/L		12/11/25 10:07	12/18/25 21:46	1

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Client Sample Results

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	88		53 - 151	12/11/25 10:07	12/18/25 21:46	1

Client Sample ID: T254964-07

Date Collected: 12/04/25 00:00

Date Received: 12/08/25 11:30

Lab Sample ID: 570-258802-7

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		93	ug/L		12/11/25 10:07	12/18/25 22:11	1
1,1'-Biphenyl	ND		93	ug/L		12/11/25 10:07	12/18/25 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	79		53 - 151	12/11/25 10:07	12/18/25 22:11	1

Surrogate Summary

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

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

Matrix: Water

Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	OTCSN1				
		(53-151)				
570-258802-1	T254964-01	92				
570-258802-2	T254964-02	91				
570-258802-3	T254964-03	89				
570-258802-4	T254964-04	80				
570-258802-5	T254964-05	90				
570-258802-6	T254964-06	88				
570-258802-7	T254964-07	79				
LCS 570-668450/2-A	Lab Control Sample	93				
LCSD 570-668450/3-A	Lab Control Sample Dup	97				
MB 570-668450/1-A	Method Blank	88				

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

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

Lab Sample ID: MB 570-668450/1-A

Matrix: Water

Analysis Batch: 671907

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 668450

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		100	ug/L		12/11/25 10:06	12/18/25 14:42	1
1,1'-Biphenyl	ND		100	ug/L		12/11/25 10:06	12/18/25 14:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	88		53 - 151			12/11/25 10:06	12/18/25 14:42	1

Lab Sample ID: LCS 570-668450/2-A

Matrix: Water

Analysis Batch: 671907

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 668450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene, 1,1'-oxybis-	1000	862.7		ug/L		86	57 - 120
1,1'-Biphenyl	1000	844.4		ug/L		84	45 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	93		53 - 151				

Lab Sample ID: LCSD 570-668450/3-A

Matrix: Water

Analysis Batch: 671907

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 668450

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene, 1,1'-oxybis-	1000	884.3		ug/L		88	57 - 120	2	20
1,1'-Biphenyl	1000	866.2		ug/L		87	45 - 120	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
n-Octacosane (Surr)	97		53 - 151						

QC Association Summary

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

GC Semi VOA

Prep Batch: 668450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-258802-1	T254964-01	Total/NA	Water	3510C	668450
570-258802-2	T254964-02	Total/NA	Water	3510C	
570-258802-3	T254964-03	Total/NA	Water	3510C	
570-258802-4	T254964-04	Total/NA	Water	3510C	
570-258802-5	T254964-05	Total/NA	Water	3510C	
570-258802-6	T254964-06	Total/NA	Water	3510C	
570-258802-7	T254964-07	Total/NA	Water	3510C	
MB 570-668450/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-668450/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-668450/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 671907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-258802-1	T254964-01	Total/NA	Water	8015B	668450
570-258802-2	T254964-02	Total/NA	Water	8015B	668450
570-258802-3	T254964-03	Total/NA	Water	8015B	668450
570-258802-4	T254964-04	Total/NA	Water	8015B	668450
570-258802-5	T254964-05	Total/NA	Water	8015B	668450
570-258802-6	T254964-06	Total/NA	Water	8015B	668450
570-258802-7	T254964-07	Total/NA	Water	8015B	668450
MB 570-668450/1-A	Method Blank	Total/NA	Water	8015B	668450
LCS 570-668450/2-A	Lab Control Sample	Total/NA	Water	8015B	668450
LCSD 570-668450/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	668450

Lab Chronicle

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

Client Sample ID: T254964-01

Lab Sample ID: 570-258802-1

Date Collected: 12/04/25 15:00

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			257.2 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 19:41	NR	EET CAL 4
Instrument ID: GC70B										

Client Sample ID: T254964-02

Lab Sample ID: 570-258802-2

Date Collected: 12/04/25 14:00

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			258.6 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 20:06	NR	EET CAL 4
Instrument ID: GC70B										

Client Sample ID: T254964-03

Lab Sample ID: 570-258802-3

Date Collected: 12/04/25 13:45

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			253.7 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 20:31	NR	EET CAL 4
Instrument ID: GC70B										

Client Sample ID: T254964-04

Lab Sample ID: 570-258802-4

Date Collected: 12/04/25 15:30

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			258.7 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 20:56	NR	EET CAL 4
Instrument ID: GC70B										

Client Sample ID: T254964-05

Lab Sample ID: 570-258802-5

Date Collected: 12/04/25 05:50

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			286.5 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 21:21	NR	EET CAL 4
Instrument ID: GC70B										

Lab Chronicle

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

Client Sample ID: T254964-06
Date Collected: 12/04/25 06:05
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258802-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			253.5 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 21:46	NR	EET CAL 4
Instrument ID: GC70B										

Client Sample ID: T254964-07
Date Collected: 12/04/25 00:00
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258802-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269.3 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 22:11	NR	EET CAL 4
Instrument ID: GC70B										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4

Protocol References:

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

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: SunStar Laboratories Inc
Project/Site: T254964

Job ID: 570-258802-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
570-258802-1	T254964-01	Water	12/04/25 15:00	12/08/25 11:30	California
570-258802-2	T254964-02	Water	12/04/25 14:00	12/08/25 11:30	California
570-258802-3	T254964-03	Water	12/04/25 13:45	12/08/25 11:30	California
570-258802-4	T254964-04	Water	12/04/25 15:30	12/08/25 11:30	California
570-258802-5	T254964-05	Water	12/04/25 05:50	12/08/25 11:30	California
570-258802-6	T254964-06	Water	12/04/25 06:05	12/08/25 11:30	California
570-258802-7	T254964-07	Water	12/04/25 00:00	12/08/25 11:30	California

SUBCONTRACT ORDER

SunStar Laboratories, Inc.

T254964

Loc: 570

258802

SENDING LABORATORY:

SunStar Laboratories, Inc.
25712 Commercentre Drive
Lake Forest, CA 92630
Phone: (949) 297-5020
Fax: (949) 297-5027
Project Manager: Jeff Lee

RECEIVING LABORATORY:

Eurofins Calscience (Tustin)
2841 Dow Ave, Suite 100
Tustin, CA 92780
Phone : (949) 261-1022
Fax: N/A



570-258802 Chain of Custody

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: T254964-01	Water	Sampled:12/04/25 15:00		
Misc Water Testing #1	12/12/25 15:00	06/02/26 15:00		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				
Sample ID: T254964-02	Water	Sampled:12/04/25 14:00	2	
Misc Water Testing #1	12/12/25 15:00	06/02/26 14:00		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				
Sample ID: T254964-03	Water	Sampled:12/04/25 13:45		
Misc Water Testing #1	12/12/25 15:00	06/02/26 13:45		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				
Sample ID: T254964-04	Water	Sampled:12/04/25 15:30	4	
Misc Water Testing #1	12/12/25 15:00	06/02/26 15:30		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				
Sample ID: T254964-05	Water	Sampled:12/05/25 05:50	5	
Misc Water Testing #1	12/12/25 15:00	06/03/26 05:50		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				
Sample ID: T254964-06	Water	Sampled:12/05/25 06:05	6	
Misc Water Testing #1	12/12/25 15:00	06/03/26 06:05		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				

Released By

Date

Received By

Date

Released By

Date

Received By

Date

258802

SUBCONTRACT ORDER

SunStar Laboratories, Inc.

T254964

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: T254964-07	Water	Sampled: 12/05/25 00:00		
Misc Water Testing #1	12/12/25 15:00	06/03/26 00:00		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				

Released By

Date

Received By

Date

Released By

Date

Received By

Date

Login Sample Receipt Checklist

Client: SunStar Laboratories Inc

Job Number: 570-258802-1

Login Number: 258802

List Source: Eurofins Calscience

List Number: 1

Creator: Vitente, Precy

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

Lab #: 993891**Job #:** 64919**Co. Job#:** T254964**Sample Name:** T254964-01**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/04/2025 15:00**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δD of water	-74.4‰ relative to VSMOW
---------------------	--------------------------

$\delta^{18}O$ of water	-10.41‰ relative to VSMOW
-------------------------	---------------------------

Tritium content of water	na
--------------------------	----

$\delta^{13}C$ of DIC	na
-----------------------	----

^{14}C content of DIC	na
-------------------------	----

$\delta^{15}N$ of nitrate	na
---------------------------	----

$\delta^{18}O$ of nitrate	na
---------------------------	----

δ^{34} of sulfate	na
--------------------------	----

$\delta^{18}O$ of sulfate	na
---------------------------	----

DIC Concentration	na
-------------------	----

Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

Lab #: 993892**Job #:** 64919**Co. Job#:** T254964**Sample Name:** T254964-02**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/04/2025 14:00**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δD of water	-61.2‰ relative to VSMOW
---------------------	--------------------------

$\delta^{18}O$ of water	-6.87‰ relative to VSMOW
-------------------------	--------------------------

Tritium content of water	na
--------------------------	----

$\delta^{13}C$ of DIC	na
-----------------------	----

^{14}C content of DIC	na
-------------------------	----

$\delta^{15}N$ of nitrate	na
---------------------------	----

$\delta^{18}O$ of nitrate	na
---------------------------	----

δ^{34} of sulfate	na
--------------------------	----

$\delta^{18}O$ of sulfate	na
---------------------------	----

DIC Concentration	na
-------------------	----

Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

Lab #: 993893**Job #:** 64919**Co. Job#:** T254964**Sample Name:** T254964-03**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/04/2025 13:45**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δD of water	-62.1‰ relative to VSMOW
---------------------	--------------------------

$\delta^{18}O$ of water	-7.35‰ relative to VSMOW
-------------------------	--------------------------

Tritium content of water	na
--------------------------	----

$\delta^{13}C$ of DIC	na
-----------------------	----

^{14}C content of DIC	na
-------------------------	----

$\delta^{15}N$ of nitrate	na
---------------------------	----

$\delta^{18}O$ of nitrate	na
---------------------------	----

δ^{34} of sulfate	na
--------------------------	----

$\delta^{18}O$ of sulfate	na
---------------------------	----

DIC Concentration	na
-------------------	----

Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

Lab #: 993894**Job #:** 64919**Co. Job#:** T254964**Sample Name:** T254964-04**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/04/2025 15:30**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δD of water	-76.9‰ relative to VSMOW
---------------------	--------------------------

$\delta^{18}O$ of water	-10.19‰ relative to VSMOW
-------------------------	---------------------------

Tritium content of water	na
--------------------------	----

$\delta^{13}C$ of DIC	na
-----------------------	----

^{14}C content of DIC	na
-------------------------	----

$\delta^{15}N$ of nitrate	na
---------------------------	----

$\delta^{18}O$ of nitrate	na
---------------------------	----

δ^{34} of sulfate	na
--------------------------	----

$\delta^{18}O$ of sulfate	na
---------------------------	----

DIC Concentration	na
-------------------	----

Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

Lab #: 993895**Job #:** 64919**Co. Job#:** T254964**Sample Name:** T254964-05**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/05/2025 05:50**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δD of water	-75.9‰ relative to VSMOW
---------------------	--------------------------

$\delta^{18}O$ of water	-10.10‰ relative to VSMOW
-------------------------	---------------------------

Tritium content of water	na
--------------------------	----

$\delta^{13}C$ of DIC	na
-----------------------	----

^{14}C content of DIC	na
-------------------------	----

$\delta^{15}N$ of nitrate	na
---------------------------	----

$\delta^{18}O$ of nitrate	na
---------------------------	----

δ^{34} of sulfate	na
--------------------------	----

$\delta^{18}O$ of sulfate	na
---------------------------	----

DIC Concentration	na
-------------------	----

Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

Lab #: 993896**Job #:** 64919**Co. Job#:** T254964**Sample Name:** T254964-06**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/05/2025 06:05**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δD of water	-78.0‰ relative to VSMOW
---------------------	--------------------------

$\delta^{18}O$ of water	-10.44‰ relative to VSMOW
-------------------------	---------------------------

Tritium content of water	na
--------------------------	----

$\delta^{13}C$ of DIC	na
-----------------------	----

^{14}C content of DIC	na
-------------------------	----

$\delta^{15}N$ of nitrate	na
---------------------------	----

$\delta^{18}O$ of nitrate	na
---------------------------	----

δ^{34} of sulfate	na
--------------------------	----

$\delta^{18}O$ of sulfate	na
---------------------------	----

DIC Concentration	na
-------------------	----

Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

Lab #: 993897**Job #:** 64919**Co. Job#:** T254964**Sample Name:** T254964-07**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/05/2025 00:00**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δD of water	-78.6‰ relative to VSMOW
---------------------	--------------------------

$\delta^{18}O$ of water	-10.38‰ relative to VSMOW
-------------------------	---------------------------

Tritium content of water	na
--------------------------	----

$\delta^{13}C$ of DIC	na
-----------------------	----

^{14}C content of DIC	na
-------------------------	----

$\delta^{15}N$ of nitrate	na
---------------------------	----

$\delta^{18}O$ of nitrate	na
---------------------------	----

δ^{34} of sulfate	na
--------------------------	----

$\delta^{18}O$ of sulfate	na
---------------------------	----

DIC Concentration	na
-------------------	----

Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

WORK ORDER

T254964

Client: Northstar Environmental Remediation

Project Manager: Jeff Lee

Project: Genesis Solar Groundwater

Project Number: 196-004-07

Report To:

Northstar Environmental Remediation
Arlin Brewster
26225 Enterprise Court
Lake Forest, CA 92630

Date Due: 12/12/25 17:00 (5 day TAT)

Received By: Dave Berner

Date Received: 12/05/25 15:20

Logged In By: Alan Su

Date Logged In: 12/05/25 16:37

Samples Received at: **4.9°C**
Custody Seals No Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirmed Yes

Analysis	Due	TAT	Expires	Comments
T254964-01 23a [Water] Sampled 12/04/25 15:00 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/01/26 15:00	Oil & Grease
200.7	12/12/25 15:00	5	06/02/26 15:00	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/02/26 15:00	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/01/26 15:00	Chloride,Sulfate only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/06/25 15:00	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/04/26 15:00	
Conductivity	12/12/25 15:00	5	01/01/26 15:00	
pH water SM 4500-H+B	12/12/25 15:00	5	12/05/25 15:00	
TDS	12/12/25 15:00	5	12/11/25 15:00	

T254964-02 OBS-1 [Water] Sampled 12/04/25 14:00 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/01/26 14:00	Oil & Grease
200.7	12/12/25 15:00	5	06/02/26 14:00	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/02/26 14:00	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/01/26 14:00	Chloride,Sulfate only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/06/25 14:00	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/04/26 14:00	
Conductivity	12/12/25 15:00	5	01/01/26 14:00	
pH water SM 4500-H+B	12/12/25 15:00	5	12/05/25 14:00	
TDS	12/12/25 15:00	5	12/11/25 14:00	

WORK ORDER

T254964

Client: Northstar Environmental Remediation

Project Manager: Jeff Lee

Project: Genesis Solar Groundwater

Project Number: 196-004-07

Analysis	Due	TAT	Expires	Comments
T254964-03 TW-1 [Water] Sampled 12/04/25 13:45 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/01/26 13:45	Oil & Grease
200.7	12/12/25 15:00	5	06/02/26 13:45	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/02/26 13:45	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/01/26 13:45	Chloride,Sulfate only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/06/25 13:45	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/04/26 13:45	
Conductivity	12/12/25 15:00	5	01/01/26 13:45	
pH water SM 4500-H+B	12/12/25 15:00	5	12/05/25 13:45	
TDS	12/12/25 15:00	5	12/11/25 13:45	
T254964-04 TW-2 [Water] Sampled 12/04/25 15:30 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/01/26 15:30	Oil & Grease
200.7	12/12/25 15:00	5	06/02/26 15:30	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/02/26 15:30	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/01/26 15:30	Chloride,Sulfate only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/06/25 15:30	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/04/26 15:30	
Conductivity	12/12/25 15:00	5	01/01/26 15:30	
pH water SM 4500-H+B	12/12/25 15:00	5	12/05/25 15:30	
TDS	12/12/25 15:00	5	12/11/25 15:30	
T254964-05 PW-0 [Water] Sampled 12/05/25 05:50 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/02/26 05:50	Oil & Grease
200.7	12/12/25 15:00	5	06/03/26 05:50	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/03/26 05:50	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/02/26 05:50	Chloride,Sulfate,Flouride only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/07/25 05:50	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/05/26 05:50	
Conductivity	12/12/25 15:00	5	01/02/26 05:50	
pH water SM 4500-H+B	12/12/25 15:00	5	12/06/25 05:50	
TDS	12/12/25 15:00	5	12/12/25 05:50	

WORK ORDER

T254964

Client: Northstar Environmental Remediation

Project Manager: Jeff Lee

Project: Genesis Solar Groundwater

Project Number: 196-004-07

Analysis	Due	TAT	Expires	Comments
T254964-06 PW-2 [Water] Sampled 12/05/25 06:05 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/02/26 06:05	Oil & Grease
200.7	12/12/25 15:00	5	06/03/26 06:05	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/03/26 06:05	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/02/26 06:05	Chloride,Sulfate,Flouride only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/07/25 06:05	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/05/26 06:05	
Conductivity	12/12/25 15:00	5	01/02/26 06:05	
pH water SM 4500-H+B	12/12/25 15:00	5	12/06/25 06:05	
TDS	12/12/25 15:00	5	12/12/25 06:05	
T254964-07 DUP [Water] Sampled 12/05/25 00:00 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/02/26 00:00	Oil & Grease
200.7	12/12/25 15:00	5	06/03/26 00:00	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/03/26 00:00	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/02/26 00:00	Chloride,Sulfate only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/07/25 00:00	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/05/26 00:00	
Conductivity	12/12/25 15:00	5	01/02/26 00:00	
pH water SM 4500-H+B	12/12/25 15:00	5	12/06/25 00:00	
TDS	12/12/25 15:00	5	12/12/25 00:00	
Eurofins Calscience (Tustin)				
T254964-01 23a [Water] Sampled 12/04/25 15:00 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/02/26 15:00	8015M- Therminol (Normal TAT)
T254964-02 OBS-1 [Water] Sampled 12/04/25 14:00 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/02/26 14:00	8015M- Therminol (Normal TAT)
T254964-03 TW-1 [Water] Sampled 12/04/25 13:45 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/02/26 13:45	8015M- Therminol (Normal TAT)
T254964-04 TW-2 [Water] Sampled 12/04/25 15:30 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/02/26 15:30	8015M- Therminol (Normal TAT)

WORK ORDER

T254964

Client: Northstar Environmental Remediation

Project Manager: Jeff Lee

Project: Genesis Solar Groundwater

Project Number: 196-004-07

Analysis	Due	TAT	Expires	Comments
Eurofins Calscience (Tustin)				
T254964-05 PW-0 [Water] Sampled 12/05/25 05:50 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/03/26 05:50	8015M- Therminol (Normal TAT)
T254964-06 PW-2 [Water] Sampled 12/05/25 06:05 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/03/26 06:05	8015M- Therminol (Normal TAT)
T254964-07 DUP [Water] Sampled 12/05/25 00:00 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/03/26 00:00	8015M- Therminol (Normal TAT)
Isotech Laboratories, Inc.				
T254964-01 23a [Water] Sampled 12/04/25 15:00 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/02/26 15:00	Deuterium,Oxygen-18 (Normal TAT)
T254964-02 OBS-1 [Water] Sampled 12/04/25 14:00 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/02/26 14:00	Deuterium,Oxygen-18 (Normal TAT)
T254964-03 TW-1 [Water] Sampled 12/04/25 13:45 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/02/26 13:45	Deuterium,Oxygen-18 (Normal TAT)
T254964-04 TW-2 [Water] Sampled 12/04/25 15:30 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/02/26 15:30	Deuterium,Oxygen-18 (Normal TAT)
T254964-05 PW-0 [Water] Sampled 12/05/25 05:50 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/03/26 05:50	Deuterium,Oxygen-18 (Normal TAT)
T254964-06 PW-2 [Water] Sampled 12/05/25 06:05 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/03/26 06:05	Deuterium,Oxygen-18 (Normal TAT)
T254964-07 DUP [Water] Sampled 12/05/25 00:00 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/03/26 00:00	Deuterium,Oxygen-18 (Normal TAT)



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

05 January 2026

Arlin Brewster
Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest, CA 92630
RE: Genesis Solar Groundwater

Enclosed are the results of analyses for samples received by the laboratory on 12/05/25 15:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee
Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DM-1	T254963-01	Water	12/05/25 08:45	12/05/25 15:20
DM-2	T254963-02	Water	12/05/25 09:50	12/05/25 15:20
DM-3	T254963-03	Water	12/05/25 11:10	12/05/25 15:20
North Pond	T254963-04	Water	12/05/25 06:55	12/05/25 15:20
South Pond	T254963-05	Water	12/05/25 07:05	12/05/25 15:20

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

DETECTIONS SUMMARY

Sample ID: DM-1

Laboratory ID: T254963-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	25	20	ug/l	200.8	FILT, R-01
Calcium	240	50	mg/l	EPA 200.7	FILT
Magnesium	58	10	mg/l	EPA 200.7	FILT
Sodium	3800	50	mg/l	EPA 200.7	FILT
pH	8.0	0.10	pH Units	SM 4500-H+B	
Total Dissolved Solids	11000	10	mg/l	TDS by SM2540C	
Specific Conductance (EC)	17800	10.0	mho/cm @25°C	SM2510b mod.	
pH Temperature °C	21		pH Units	SM 4500-H+B	
Chloride	5270	500	mg/l	EPA 300.0	
Sulfate as SO4	2210	500	mg/l	EPA 300.0	
Nitrate as NO3	8.00	0.500	mg/l	EPA 300.0	O-07
Nitrate as N	1.81	0.200	mg/l	EPA 300.0	O-07

Sample ID: DM-2

Laboratory ID: T254963-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	33	20	ug/l	200.8	FILT, R-01
Calcium	250	50	mg/l	EPA 200.7	FILT
Magnesium	59	10	mg/l	EPA 200.7	FILT, R-07
Sodium	3900	50	mg/l	EPA 200.7	FILT
pH	7.8	0.10	pH Units	SM 4500-H+B	
Total Dissolved Solids	11000	10	mg/l	TDS by SM2540C	
pH Temperature °C	20		pH Units	SM 4500-H+B	
Specific Conductance (EC)	17800	10.0	mho/cm @25°C	SM2510b mod.	
Chloride	3610	500	mg/l	EPA 300.0	
Sulfate as SO4	1330	500	mg/l	EPA 300.0	
Nitrate as NO3	11.3	0.500	mg/l	EPA 300.0	O-07
Nitrate as N	2.56	0.200	mg/l	EPA 300.0	O-07

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

Sample ID: DM-3

Laboratory ID: T254963-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Calcium	230	50	mg/l	EPA 200.7	FILT
Magnesium	54	10	mg/l	EPA 200.7	FILT
Selenium	20	20	ug/l	200.8	FILT, R-01
Sodium	3800	50	mg/l	EPA 200.7	FILT
pH	7.8	0.10	pH Units	SM 4500-H+B	
Total Dissolved Solids	11000	10	mg/l	TDS by SM2540C	
Specific Conductance (EC)	17400	10.0	mho/cm @25°C	SM2510b mod.	
pH Temperature °C	20		pH Units	SM 4500-H+B	
Chloride	3860	500	mg/l	EPA 300.0	
Sulfate as SO4	1440	500	mg/l	EPA 300.0	
Nitrate as NO3	2.26	0.500	mg/l	EPA 300.0	O-07
Nitrate as N	0.511	0.200	mg/l	EPA 300.0	O-07

Sample ID: North Pond

Laboratory ID: T254963-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Arsenic	1500	20	ug/l	200.8	FILT, R-01
Barium	72	20	ug/l	200.8	FILT, R-01
Calcium	130	50	mg/l	EPA 200.7	FILT
Selenium	93	20	ug/l	200.8	FILT, R-01
Potassium	720	50	mg/l	EPA 200.7	FILT
Zinc	34	20	ug/l	200.8	FILT, R-01
Sodium	64000	500	mg/l	EPA 200.7	FILT
Total Dissolved Solids	210000	10	mg/l	TDS by SM2540C	
pH	8.3	0.10	pH Units	SM 4500-H+B	
Specific Conductance (EC)	208000	10.0	mho/cm @25°C	SM2510b mod.	
pH Temperature °C	21		pH Units	SM 4500-H+B	
Chloride	108000	5000	mg/l	EPA 300.0	
Sulfate as SO4	10400	5000	mg/l	EPA 300.0	

Sample ID: South Pond

Laboratory ID: T254963-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Arsenic	320	20	ug/l	200.8	FILT, R-01
Barium	150	20	ug/l	200.8	FILT, R-01

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

Sample ID: South Pond

Laboratory ID: T254963-05

Analyte	Result	Reporting		Method	Notes
		Limit	Units		
Calcium	200	50	mg/l	EPA 200.7	FILT
Magnesium	15	10	mg/l	EPA 200.7	FILT
Selenium	63	20	ug/l	200.8	FILT, R-01
Potassium	160	50	mg/l	EPA 200.7	FILT
Zinc	250	20	ug/l	200.8	FILT, R-01
Sodium	20000	500	mg/l	EPA 200.7	FILT
pH	9.1	0.10	pH Units	SM 4500-H+B	
Total Dissolved Solids	59000	10	mg/l	TDS by SM2540C	
Specific Conductance (EC)	78200	10.0	mho/cm @25°C	SM2510b mod.	
pH Temperature °C	21		pH Units	SM 4500-H+B	
Chloride	30700	5000	mg/l	EPA 300.0	
Sulfate as SO4	6580	5000	mg/l	EPA 300.0	

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

DM-1
T254963-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	240	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	"	"	FILT, R-07
Iron	ND	20	"	"	"	"	"	"	FILT, R-07
Magnesium	58	10	"	"	"	"	"	"	FILT
Potassium	ND	50	"	"	"	"	"	"	FILT
Sodium	3800	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0147	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	ND	20	"	"	"	"	"	"	FILT, R-01
Barium	25	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	ND	20	"	"	"	"	"	"	FILT, R-01
Zinc	ND	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	17800	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	8.0	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
pH Temperature °C	21		"	"	"	"	"	"	
Total Dissolved Solids	11000	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

DM-1

T254963-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	5270	500	mg/l	100	25L0149	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO ₄	2210	500	"	"	"	"	"	"	
Nitrate as NO ₃	8.00	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	1.81	0.200	"	"	"	"	"	"	O-07

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Jeff Lee, Project Manager



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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

DM-2
T254963-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	250	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	"	"	FILT, R-07
Iron	ND	20	"	"	"	"	"	"	FILT, R-07
Magnesium	59	10	"	"	"	"	"	"	FILT, R-07
Potassium	ND	50	"	"	"	"	"	"	FILT, R-07
Sodium	3900	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0147	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	ND	20	"	"	"	"	"	"	FILT, R-01
Barium	33	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	ND	20	"	"	"	"	"	"	FILT, R-01
Zinc	ND	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.57	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	17800	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	7.8	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
pH Temperature °C	20		"	"	"	"	"	"	
Total Dissolved Solids	11000	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

DM-2

T254963-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	3610	500	mg/l	100	25L0149	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO4	1330	500	"	"	"	"	"	"	
Nitrate as NO3	11.3	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	2.56	0.200	"	"	"	"	"	"	O-07

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

DM-3

T254963-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	230	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	12/10/25	"	FILT, R-07
Iron	ND	20	"	"	"	"	12/10/25	"	FILT, R-07
Magnesium	54	10	"	"	"	"	"	"	FILT
Potassium	ND	50	"	"	"	"	"	"	FILT
Sodium	3800	50	"	"	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0147	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	ND	20	"	"	"	"	"	"	FILT, R-01
Barium	ND	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	20	20	"	"	"	"	"	"	FILT, R-01
Zinc	ND	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	17400	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	7.8	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
pH Temperature °C	20		"	"	"	"	"	"	
Total Dissolved Solids	11000	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

DM-3

T254963-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	3860	500	mg/l	100	25L0149	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO4	1440	500	"	"	"	"	"	"	
Nitrate as NO3	2.26	0.500	"	1	"	"	12/08/25	"	O-07
Nitrate as N	0.511	0.200	"	"	"	"	"	"	O-07

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

North Pond
T254963-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	130	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	"	"	FILT, R-07
Iron	ND	20	"	"	"	"	"	"	FILT, R-07
Magnesium	ND	10	"	"	"	"	"	"	FILT, R-07
Potassium	720	50	"	"	"	"	"	"	FILT
Sodium	64000	500	"	1000	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0147	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	1500	20	"	"	"	"	"	"	FILT, R-01
Barium	72	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	93	20	"	"	"	"	"	"	FILT, R-01
Zinc	34	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	208000	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	8.3	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
pH Temperature °C	21		"	"	"	"	"	"	
Total Dissolved Solids	210000	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

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Jeff Lee, Project Manager



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Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

North Pond
T254963-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	108000	5000	mg/l	1000	25L0149	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO4	10400	5000	"	"	"	"	"	"	
Nitrate as NO3	ND	250	"	500	"	"	12/08/25	"	O-07, R-01
Nitrate as N	ND	100	"	"	"	"	"	"	O-07, R-01

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Jeff Lee, Project Manager

Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

South Pond
T254963-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 200 Series Methods

Calcium	200	50	mg/l	100	25L0146	12/06/25	12/10/25	EPA 200.7	FILT
Copper	ND	0.50	"	"	"	"	12/10/25	"	FILT, R-07
Iron	ND	20	"	"	"	"	12/10/25	"	FILT, R-07
Magnesium	15	10	"	"	"	"	"	"	FILT
Potassium	160	50	"	"	"	"	"	"	FILT
Sodium	20000	500	"	1000	"	"	"	"	FILT
Antimony	ND	20	ug/l	40	25L0147	12/06/25	12/09/25	200.8	FILT, R-01
Arsenic	320	20	"	"	"	"	"	"	FILT, R-01
Barium	150	20	"	"	"	"	"	"	FILT, R-01
Cadmium	ND	20	"	"	"	"	"	"	FILT, R-01
Chromium	ND	20	"	"	"	"	"	"	FILT, R-01
Cobalt	ND	20	"	"	"	"	"	"	FILT, R-01
Lead	ND	20	"	"	"	"	"	"	FILT, R-01
Nickel	ND	20	"	"	"	"	"	"	FILT, R-01
Selenium	63	20	"	"	"	"	"	"	FILT, R-01
Zinc	250	20	"	"	"	"	"	"	FILT, R-01

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	1.0	ug/l	1	25L0148	12/06/25	12/09/25	EPA 7470A Water	FILT
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Oil & Grease	ND	5.00	mg/l	1	25L0142	12/08/25	12/08/25	EPA 1664B	
Specific Conductance (EC)	78200	10.0	umho/cm @25°C	"	25L0166	12/08/25	12/08/25	SM2510b mod.	
pH	9.1	0.10	pH Units	"	25L0154	12/08/25	12/08/25	SM 4500-H+B	
pH Temperature °C	21		"	"	"	"	"	"	
Total Dissolved Solids	59000	10	mg/l	"	25L0164	12/08/25	12/10/25	TDS by SM2540C	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

South Pond
T254963-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Anions by EPA Method 300.0

Chloride	30700	5000	mg/l	1000	25L0149	12/08/25	12/08/25	EPA 300.0	
Sulfate as SO4	6580	5000	"	"	"	"	"	"	
Nitrate as NO3	ND	250	"	500	"	"	12/08/25	"	O-07, R-01
Nitrate as N	ND	100	"	"	"	"	"	"	O-07, R-01

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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

Metals by EPA 200 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 25L0146 - EPA 3010A

Blank (25L0146-BLK1)

Prepared: 12/06/25 Analyzed: 12/10/25

Calcium	ND	0.50	mg/l
Copper	ND	0.005	"
Iron	ND	0.20	"
Magnesium	ND	0.10	"
Potassium	ND	0.50	"
Sodium	ND	0.50	"

LCS (25L0146-BS1)

Prepared: 12/06/25 Analyzed: 12/10/25

Calcium	1.97	0.50	mg/l	2.00	98.6	80-120
Copper	2.00	0.005	"	2.00	100	85-115
Iron	1.99	0.20	"	2.00	99.6	80-120
Magnesium	1.97	0.10	"	2.00	98.7	80-120
Potassium	1.93	0.50	"	2.00	96.3	80-120
Sodium	1.93	0.50	"	2.00	96.3	80-120

Matrix Spike (25L0146-MS1)

Source: T254963-01

Prepared: 12/06/25 Analyzed: 12/10/25

Calcium	253	50	mg/l	2.00	237	813	70-130		QM-4X
Copper	1.80	0.50	"	2.00	ND	89.8	70-130		
Iron	1.40	20	"	2.00	ND	69.8	70-130		QM-07, R-07
Magnesium	62.7	10	"	2.00	58.1	228	70-130		QM-4X
Potassium	20.4	50	"	2.00	ND	NR	70-130		QM-4X
Sodium	4060	50	"	2.00	3820	NR	70-130		QM-4X

Matrix Spike Dup (25L0146-MSD1)

Source: T254963-01

Prepared: 12/06/25 Analyzed: 12/10/25

Calcium	243	50	mg/l	2.00	237	302	70-130	4.12	30	QM-4X
Copper	1.71	0.50	"	2.00	ND	85.6	70-130	4.77	30	
Iron	1.65	20	"	2.00	ND	82.3	70-130	16.4	30	R-07
Magnesium	60.3	10	"	2.00	58.1	112	70-130	3.78	30	
Potassium	19.7	50	"	2.00	ND	987	70-130	3.04	30	QM-4X
Sodium	3850	50	"	2.00	3820	NR	70-130	5.24	30	QM-4X

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

Metals by EPA 200 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0147 - EPA 3010A

Blank (25L0147-BLK1)

Prepared: 12/06/25 Analyzed: 12/09/25

Antimony	ND	0.50	ug/l							R-01
Arsenic	ND	0.50	"							R-01
Barium	ND	0.50	"							R-01
Cadmium	ND	0.50	"							R-01
Chromium	ND	0.50	"							R-01
Cobalt	ND	0.50	"							R-01
Lead	ND	0.50	"							R-01
Nickel	ND	0.50	"							R-01
Selenium	ND	0.50	"							R-01
Zinc	ND	0.50	"							R-01

LCS (25L0147-BS1)

Prepared: 12/06/25 Analyzed: 12/09/25

Arsenic	23.4	0.50	ug/l	25.0		93.8	85-115			R-01
Barium	24.2	0.50	"	25.0		96.6	85-115			R-01
Cadmium	23.8	0.50	"	25.0		95.3	85-115			R-01
Chromium	23.1	0.50	"	25.0		92.6	85-115			R-01
Lead	23.6	0.50	"	25.0		94.5	85-115			R-01

Matrix Spike (25L0147-MS1)

Source: T254963-02

Prepared: 12/06/25 Analyzed: 12/09/25

Arsenic	28.0	20	ug/l	25.0	7.60	81.6	70-130			R-01
Barium	55.6	20	"	25.0	33.2	89.6	70-130			R-01
Cadmium	24.0	20	"	25.0	1.20	91.2	70-130			R-01
Chromium	26.8	20	"	25.0	4.40	89.6	70-130			R-01
Lead	24.0	20	"	25.0	ND	96.0	70-130			R-01

Matrix Spike Dup (25L0147-MSD1)

Source: T254963-02

Prepared: 12/06/25 Analyzed: 12/09/25

Arsenic	35.6	20	ug/l	25.0	7.60	112	70-130	23.9	20	QM-07, R-01
Barium	57.2	20	"	25.0	33.2	96.0	70-130	2.84	20	R-01
Cadmium	23.6	20	"	25.0	1.20	89.6	70-130	1.68	20	R-01
Chromium	27.2	20	"	25.0	4.40	91.2	70-130	1.48	20	R-01
Lead	24.0	20	"	25.0	ND	96.0	70-130	0.00	20	R-01

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0148 - EPA 7470A Water

Blank (25L0148-BLK1)

Prepared: 12/06/25 Analyzed: 12/09/25

Mercury	ND	1.0	ug/l
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LCS (25L0148-BS1)

Prepared: 12/06/25 Analyzed: 12/09/25

Mercury	7.48	1.0	ug/l	7.50	99.8	80-120
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Matrix Spike (25L0148-MS1)

Source: T254963-03

Prepared: 12/06/25 Analyzed: 12/09/25

Mercury	6.45	1.0	ug/l	7.50	ND	86.0	80-120
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Matrix Spike Dup (25L0148-MSD1)

Source: T254963-03

Prepared: 12/06/25 Analyzed: 12/09/25

Mercury	6.31	1.0	ug/l	7.50	ND	84.1	80-120	2.24	20
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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0142 - 418.1 / 5520C&F Mod.

Blank (25L0142-BLK1)

Prepared & Analyzed: 12/08/25

Oil & Grease	ND	5.00	mg/l
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LCS (25L0142-BS1)

Prepared & Analyzed: 12/08/25

Oil & Grease	33.8	5.00	mg/l	39.6	85.4	78-114
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LCS Dup (25L0142-BSD1)

Prepared & Analyzed: 12/08/25

Oil & Grease	36.3	5.00	mg/l	39.6	91.7	78-114	7.13	20
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Batch 25L0154 - General Preparation

Duplicate (25L0154-DUP1)

Source: T254963-01

Prepared & Analyzed: 12/08/25

pH	7.97	0.10	pH Units	7.96	0.126	10
pH Temperature °C	21.8		"	21.2	2.79	200

Batch 25L0164 - General Preparation

Blank (25L0164-BLK1)

Prepared: 12/08/25 Analyzed: 12/10/25

Total Dissolved Solids	ND	10	mg/l
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LCS (25L0164-BS1)

Prepared: 12/08/25 Analyzed: 12/10/25

Total Dissolved Solids	531	10	mg/l	500	106	80-120
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Duplicate (25L0164-DUP1)

Source: T254923-01

Prepared: 12/08/25 Analyzed: 12/10/25

Total Dissolved Solids	1690	10	mg/l	1690	0.0592	20
------------------------	------	----	------	------	--------	----

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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0166 - General Preparation

Duplicate (25L0166-DUP1)

Source: T254963-01

Prepared & Analyzed: 12/08/25

Specific Conductance (EC)	17700	10.0	umho/cm @25°C	17800	0.450	15
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SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

Anions by EPA Method 300.0 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 25L0149 - General Preparation

Blank (25L0149-BLK1)

Prepared & Analyzed: 12/08/25

Chloride	ND	5.00	mg/l
Sulfate as SO4	ND	5.00	"
Nitrate as NO3	ND	0.500	"
Nitrate as N	ND	0.200	"

LCS (25L0149-BS1)

Prepared & Analyzed: 12/08/25

Chloride	25.7	5.00	mg/l	25.0	103	75-125
Sulfate as SO4	26.3	5.00	"	25.0	105	75-125
Nitrate as NO3	26.3	0.500	"	25.0	105	75-125

Matrix Spike (25L0149-MS1)

Source: T254963-01

Prepared & Analyzed: 12/08/25

Chloride	8720	500	mg/l	25.0	5270	NR	75-125			QM-07
Sulfate as SO4	2470	500	"	25.0	2210	NR	75-125			QM-07
Nitrate as NO3	33.3	0.500	"	25.0	8.00	101	75-125			

Matrix Spike Dup (25L0149-MSD1)

Source: T254963-01

Prepared & Analyzed: 12/08/25

Chloride	5420	500	mg/l	25.0	5270	612	75-125	46.6	20	QM-07
Sulfate as SO4	2270	500	"	25.0	2210	269	75-125	8.30	20	QM-07
Nitrate as NO3	33.8	0.500	"	25.0	8.00	103	75-125	1.30	20	

SunStar Laboratories, Inc.

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26225 Enterprise Court
Lake Forest CA, 92630

Project: Genesis Solar Groundwater
Project Number: 196-004-07
Project Manager: Arlin Brewster

Reported:
01/05/26 12:42

Notes and Definitions

R-07 Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix effect.

R-01 The Reporting Limit has been raised to account for dilution necessary due to matrix interference.

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

QM-07 The spike recovery and/or RPD was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The batch was accepted based on acceptable LCS recovery.

O-07 The sample was analyzed outside the EPA recommended holding time of 48 hours.

O-04 This sample was received and analyzed outside the EPA recommended holding time.

FILT The sample was filtered prior to analysis.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

SunStar Laboratories, Inc.
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Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Northstar Environmental Remediation
Address: 26225 Enterprise Court, Lake Forest, CA 92630
Phone: 949-274-1719
Project Manager: Arlin Brewster

Date: _____ Page: 1 of 1
Project Name: Genesis Solar Groundwater
Collector: Arlin Brewster Client Project #: 196-004-07
Batch #: T254963 EDF #: T10000006093

[illegible]

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T2S4963

Client Name: Northstar Environmental Remediation Project: Genesis Solar Groundwater

Delivered by: ☒ Client ☐ SunStar Courier ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by: _____

Date/Time Courier

Received: _____

Lab Received by: Dave

Date/Time Lab

Received: 12.5.25 15:20

Total number of coolers received: 1 Thermometer ID: SC-1 Calibration due: 11/19/2025

Temperature: Cooler #1 <u>4.8</u> °C +/- the CF (+ 0.1°C) = <u>4.9</u> °C corrected temperature
Temperature: Cooler #2 °C +/- the CF (+ 0.1°C) = °C corrected temperature
Temperature: Cooler #3 °C +/- the CF (+ 0.1°C) = °C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)
Within criteria? ☒ Yes ☐ No ☐ N/A
If NO:
Samples received on ice? ☐ Yes ☐ No → Complete Non-Conformance Sheet
If on ice, samples received same day collected? ☐ Yes → Acceptable ☐ No → Complete Non-Conformance Sheet

Custody seals intact on cooler/sample

☐ Yes ☐ No* ☒ N/A

Sample containers intact

☒ Yes ☐ No*

Sample labels match Chain of Custody IDs

☒ Yes ☐ No*

Total number of containers received match COC

☒ Yes ☐ No*

Proper containers received for analyses requested on COC

☒ Yes ☐ No*

Proper preservative indicated on COC/containers for analyses requested

☒ Yes ☐ No* ☐ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times

☒ Yes ☐ No*

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: DM 12.5.25

Comments:



ANALYTICAL REPORT

PREPARED FOR

Attn: Jeff Lee
SunStar Laboratories Inc
25712 Commercentre Drive
Lake Forest, California 92630

Generated 12/19/2025 12:13:03 PM

JOB DESCRIPTION

T254963

JOB NUMBER

570-258800-1

Eurofins Calscience

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



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Authorized for release by
Sandy Tat, Project Manager I
Sandy.Tat@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

Glossary

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

Case Narrative

Client: SunStar Laboratories Inc
Project: T254963

Job ID: 570-258800-1

Job ID: 570-258800-1

Eurofins Calscience

Job Narrative 570-258800-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/8/2025 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Diesel Range Organics

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

Eurofins Calscience

Detection Summary

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

Client Sample ID: T254963-01

Lab Sample ID: 570-258800-1

No Detections.

Client Sample ID: T254963-02

Lab Sample ID: 570-258800-2

No Detections.

Client Sample ID: T254963-03

Lab Sample ID: 570-258800-3

No Detections.

Client Sample ID: T254963-04

Lab Sample ID: 570-258800-4

No Detections.

Client Sample ID: T254963-05

Lab Sample ID: 570-258800-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: T254963-01
Date Collected: 12/05/25 08:45
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258800-1
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		98	ug/L		12/11/25 10:07	12/18/25 17:11	1
1,1'-Biphenyl	ND		98	ug/L		12/11/25 10:07	12/18/25 17:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	91		53 - 151			12/11/25 10:07	12/18/25 17:11	1

Client Sample ID: T254963-02
Date Collected: 12/05/25 09:50
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258800-2
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		98	ug/L		12/11/25 10:07	12/18/25 17:36	1
1,1'-Biphenyl	ND		98	ug/L		12/11/25 10:07	12/18/25 17:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	84		53 - 151			12/11/25 10:07	12/18/25 17:36	1

Client Sample ID: T254963-03
Date Collected: 12/05/25 11:10
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258800-3
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		93	ug/L		12/11/25 10:07	12/18/25 18:01	1
1,1'-Biphenyl	ND		93	ug/L		12/11/25 10:07	12/18/25 18:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	71		53 - 151			12/11/25 10:07	12/18/25 18:01	1

Client Sample ID: T254963-05
Date Collected: 12/05/25 07:05
Date Received: 12/08/25 11:30

Lab Sample ID: 570-258800-5
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		96	ug/L		12/11/25 10:07	12/18/25 18:51	1
1,1'-Biphenyl	ND		96	ug/L		12/11/25 10:07	12/18/25 18:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	80		53 - 151			12/11/25 10:07	12/18/25 18:51	1

Client Sample Results

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) - RA

Client Sample ID: T254963-04

Date Collected: 12/05/25 06:55

Date Received: 12/08/25 11:30

Lab Sample ID: 570-258800-4

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		85	ug/L		12/11/25 10:07	12/18/25 22:36	1
1,1'-Biphenyl	ND		85	ug/L		12/11/25 10:07	12/18/25 22:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	90		53 - 151			12/11/25 10:07	12/18/25 22:36	1

Surrogate Summary

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		OTCSN1			
Lab Sample ID	Client Sample ID	(53-151)			
570-258800-1	T254963-01	91			
570-258800-1 MS	T254963-01	90			
570-258800-1 MSD	T254963-01	95			
570-258800-2	T254963-02	84			
570-258800-3	T254963-03	71			
570-258800-4 - RA	T254963-04	90			
570-258800-5	T254963-05	80			
LCS 570-668450/2-A	Lab Control Sample	93			
LCSD 570-668450/3-A	Lab Control Sample Dup	97			
MB 570-668450/1-A	Method Blank	88			
Surrogate Legend					
OTCSN = n-Octacosane (Surr)					

QC Sample Results

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

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

Lab Sample ID: MB 570-668450/1-A

Matrix: Water

Analysis Batch: 671907

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 668450

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		100	ug/L		12/11/25 10:06	12/18/25 14:42	1
1,1'-Biphenyl	ND		100	ug/L		12/11/25 10:06	12/18/25 14:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	88		53 - 151			12/11/25 10:06	12/18/25 14:42	1

Lab Sample ID: LCS 570-668450/2-A

Matrix: Water

Analysis Batch: 671907

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 668450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene, 1,1'-oxybis-	1000	862.7		ug/L		86	57 - 120
1,1'-Biphenyl	1000	844.4		ug/L		84	45 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	93		53 - 151				

Lab Sample ID: LCSD 570-668450/3-A

Matrix: Water

Analysis Batch: 671907

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 668450

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene, 1,1'-oxybis-	1000	884.3		ug/L		88	57 - 120	2	20
1,1'-Biphenyl	1000	866.2		ug/L		87	45 - 120	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
n-Octacosane (Surr)	97		53 - 151						

Lab Sample ID: 570-258800-1 MS

Matrix: Water

Analysis Batch: 671907

Client Sample ID: T254963-01

Prep Type: Total/NA

Prep Batch: 668450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene, 1,1'-oxybis-	ND		951	779.8		ug/L		82	57 - 120
1,1'-Biphenyl	ND		951	764.5		ug/L		80	45 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
n-Octacosane (Surr)	90		53 - 151						

Lab Sample ID: 570-258800-1 MSD

Matrix: Water

Analysis Batch: 671907

Client Sample ID: T254963-01

Prep Type: Total/NA

Prep Batch: 668450

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene, 1,1'-oxybis-	ND		965	841.1		ug/L		87	57 - 120	8	20
1,1'-Biphenyl	ND		965	824.1		ug/L		85	45 - 120	8	20

Eurofins Calscience

QC Sample Results

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

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

Lab Sample ID: 570-258800-1 MSD
Matrix: Water
Analysis Batch: 671907

Client Sample ID: T254963-01
Prep Type: Total/NA
Prep Batch: 668450

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
n-Octacosane (Surr)	95		53 - 151

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QC Association Summary

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

GC Semi VOA

Prep Batch: 668450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-258800-1	T254963-01	Total/NA	Water	3510C	
570-258800-2	T254963-02	Total/NA	Water	3510C	
570-258800-3	T254963-03	Total/NA	Water	3510C	
570-258800-4 - RA	T254963-04	Total/NA	Water	3510C	
570-258800-5	T254963-05	Total/NA	Water	3510C	
MB 570-668450/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-668450/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-668450/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-258800-1 MS	T254963-01	Total/NA	Water	3510C	
570-258800-1 MSD	T254963-01	Total/NA	Water	3510C	

Analysis Batch: 671907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-258800-1	T254963-01	Total/NA	Water	8015B	668450
570-258800-2	T254963-02	Total/NA	Water	8015B	668450
570-258800-3	T254963-03	Total/NA	Water	8015B	668450
570-258800-4 - RA	T254963-04	Total/NA	Water	8015B	668450
570-258800-5	T254963-05	Total/NA	Water	8015B	668450
MB 570-668450/1-A	Method Blank	Total/NA	Water	8015B	668450
LCS 570-668450/2-A	Lab Control Sample	Total/NA	Water	8015B	668450
LCSD 570-668450/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	668450
570-258800-1 MS	T254963-01	Total/NA	Water	8015B	668450
570-258800-1 MSD	T254963-01	Total/NA	Water	8015B	668450

Lab Chronicle

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

Client Sample ID: T254963-01

Lab Sample ID: 570-258800-1

Date Collected: 12/05/25 08:45

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			254.3 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 17:11	NR	EET CAL 4
Instrument ID: GC70B										

Client Sample ID: T254963-02

Lab Sample ID: 570-258800-2

Date Collected: 12/05/25 09:50

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			255.9 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 17:36	NR	EET CAL 4
Instrument ID: GC70B										

Client Sample ID: T254963-03

Lab Sample ID: 570-258800-3

Date Collected: 12/05/25 11:10

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			267.8 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 18:01	NR	EET CAL 4
Instrument ID: GC70B										

Client Sample ID: T254963-04

Lab Sample ID: 570-258800-4

Date Collected: 12/05/25 06:55

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C	RA		294.5 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B	RA	1	1 mL	1 mL	671907	12/18/25 22:36	NR	EET CAL 4
Instrument ID: GC70B										

Client Sample ID: T254963-05

Lab Sample ID: 570-258800-5

Date Collected: 12/05/25 07:05

Matrix: Water

Date Received: 12/08/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			261.2 mL	2.5 mL	668450	12/11/25 10:07	TVD6	EET CAL 4
Total/NA	Analysis	8015B		1	1 mL	1 mL	671907	12/18/25 18:51	NR	EET CAL 4
Instrument ID: GC70B										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26

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Method Summary

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4

Protocol References:

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

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: SunStar Laboratories Inc
Project/Site: T254963

Job ID: 570-258800-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
570-258800-1	T254963-01	Water	12/05/25 08:45	12/08/25 11:30	California
570-258800-2	T254963-02	Water	12/05/25 09:50	12/08/25 11:30	California
570-258800-3	T254963-03	Water	12/05/25 11:10	12/08/25 11:30	California
570-258800-4	T254963-04	Water	12/05/25 06:55	12/08/25 11:30	California
570-258800-5	T254963-05	Water	12/05/25 07:05	12/08/25 11:30	California

SUBCONTRACT ORDER

SunStar Laboratories, Inc.

T254963

Loc: 570

258800

SENDING LABORATORY:

SunStar Laboratories, Inc.
25712 Commercentre Drive
Lake Forest, CA 92630
Phone: (949) 297-5020
Fax: (949) 297-5027
Project Manager: Jeff Lee

RECEIVING LABORATORY:

Eurofins Calscience (Tustin)
2841 Dow Ave, Suite 100
Tustin, CA 92780
Phone: (949) 261-1022
Fax: N/A



570-258800 Chain of Custody

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: T254963-01	Water	Sampled:12/05/25 08:45		
Misc Water Testing #1	12/12/25 15:00	06/03/26 08:45		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				
Sample ID: T254963-02	Water	Sampled:12/05/25 09:50		
Misc Water Testing #1	12/12/25 15:00	06/03/26 09:50		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				
Sample ID: T254963-03	Water	Sampled:12/05/25 11:10	3	
Misc Water Testing #1	12/12/25 15:00	06/03/26 11:10		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				
Sample ID: T254963-04	Water	Sampled:12/05/25 06:55	4	
Misc Water Testing #1	12/12/25 15:00	06/03/26 06:55		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				
Sample ID: T254963-05	Water	Sampled:12/05/25 07:05		
Misc Water Testing #1	12/12/25 15:00	06/03/26 07:05		8015M- Therminol (Normal TAT)
Containers Supplied:				
1L Amber- Unpres. (A)				

Released By

Date

Received By

Date

Released By

Date

Received By

Date

Login Sample Receipt Checklist

Client: SunStar Laboratories Inc

Job Number: 570-258800-1

Login Number: 258800

List Source: Eurofins Calscience

List Number: 1

Creator: Vitente, Precy

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

Lab #: 993898**Job #:** 64920**Co. Job#:** T254963**Sample Name:** T254963-01**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/05/2025 08:45**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δ D of water	-68.0‰ relative to VSMOW
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$\delta^{18}\text{O}$ of water	-8.48‰ relative to VSMOW
--------------------------------	--------------------------

Tritium content of water	na
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$\delta^{13}\text{C}$ of DIC	na
------------------------------	----

^{14}C content of DIC	na
--------------------------------	----

$\delta^{15}\text{N}$ of nitrate	na
----------------------------------	----

$\delta^{18}\text{O}$ of nitrate	na
----------------------------------	----

δ^{34} of sulfate	na
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$\delta^{18}\text{O}$ of sulfate	na
----------------------------------	----

DIC Concentration	na
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Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

Lab #: 993899**Job #:** 64920**Co. Job#:** T254963**Sample Name:** T254963-02**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/05/2025 09:50**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δD of water	-67.9‰ relative to VSMOW
---------------------	--------------------------

$\delta^{18}O$ of water	-8.38‰ relative to VSMOW
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Tritium content of water	na
--------------------------	----

$\delta^{13}C$ of DIC	na
-----------------------	----

^{14}C content of DIC	na
-------------------------	----

$\delta^{15}N$ of nitrate	na
---------------------------	----

$\delta^{18}O$ of nitrate	na
---------------------------	----

δ^{34} of sulfate	na
--------------------------	----

$\delta^{18}O$ of sulfate	na
---------------------------	----

DIC Concentration	na
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Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

Lab #: 993900**Job #:** 64920**Co. Job#:** T254963**Sample Name:** T254963-03**Company:** SunStar Laboratories, Inc**Container:** 250ml Plastic Bottle**Date Sampled:** 12/05/2025 11:10**Date Received:** 12/10/2025**Date Reported:** 01/05/2026

δD of water	-70.4‰ relative to VSMOW
---------------------	--------------------------

$\delta^{18}O$ of water	-8.80‰ relative to VSMOW
-------------------------	--------------------------

Tritium content of water	na
--------------------------	----

$\delta^{13}C$ of DIC	na
-----------------------	----

^{14}C content of DIC	na
-------------------------	----

$\delta^{15}N$ of nitrate	na
---------------------------	----

$\delta^{18}O$ of nitrate	na
---------------------------	----

δ^{34} of sulfate	na
--------------------------	----

$\delta^{18}O$ of sulfate	na
---------------------------	----

DIC Concentration	na
-------------------	----

Vacuum Distilled? *	No
---------------------	----

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

WORK ORDER

T254963

Client: Northstar Environmental Remediation

Project Manager: Jeff Lee

Project: Genesis Solar Groundwater

Project Number: 196-004-07

Report To:

Northstar Environmental Remediation
Arlin Brewster
26225 Enterprise Court
Lake Forest, CA 92630

Date Due: 12/12/25 17:00 (5 day TAT)

Received By: Dave Berner

Date Received: 12/05/25 15:20

Logged In By: Alan Su

Date Logged In: 12/05/25 16:29

Samples Received at: **4.9°C**
Custody Seals No Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirmed Yes

Analysis	Due	TAT	Expires	Comments
T254963-01 DM-1 [Water] Sampled 12/05/25 08:45 (GMT-08:00) Pacific Time				
(US &				
1664	12/12/25 15:00	5	01/02/26 08:45	Oil & Grease
200.7	12/12/25 15:00	5	06/03/26 08:45	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/03/26 08:45	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO ₄	12/12/25 15:00	5	01/02/26 08:45	Chloride,Sulfate only Dil @ 20x
300.0 - NO ₂ , NO ₃ , PO ₄	12/12/25 15:00	5	12/07/25 08:45	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/05/26 08:45	
Conductivity	12/12/25 15:00	5	01/02/26 08:45	
pH water SM 4500-H+B	12/12/25 15:00	5	12/06/25 08:45	
TDS	12/12/25 15:00	5	12/12/25 08:45	

T254963-02 DM-2 [Water] Sampled 12/05/25 09:50 (GMT-08:00) Pacific Time				
(US &				
1664	12/12/25 15:00	5	01/02/26 09:50	Oil & Grease
200.7	12/12/25 15:00	5	06/03/26 09:50	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/03/26 09:50	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO ₄	12/12/25 15:00	5	01/02/26 09:50	Chloride,Sulfate only Dil @ 20x
300.0 - NO ₂ , NO ₃ , PO ₄	12/12/25 15:00	5	12/07/25 09:50	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/05/26 09:50	
Conductivity	12/12/25 15:00	5	01/02/26 09:50	
pH water SM 4500-H+B	12/12/25 15:00	5	12/06/25 09:50	
TDS	12/12/25 15:00	5	12/12/25 09:50	

WORK ORDER

T254963

Client: Northstar Environmental Remediation

Project Manager: Jeff Lee

Project: Genesis Solar Groundwater

Project Number: 196-004-07

Analysis	Due	TAT	Expires	Comments
T254963-03 DM-3 [Water] Sampled 12/05/25 11:10 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/02/26 11:10	Oil & Grease
200.7	12/12/25 15:00	5	06/03/26 11:10	Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/03/26 11:10	Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/02/26 11:10	Chloride,Sulfate only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/07/25 11:10	Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/05/26 11:10	
Conductivity	12/12/25 15:00	5	01/02/26 11:10	
pH water SM 4500-H+B	12/12/25 15:00	5	12/06/25 11:10	
TDS	12/12/25 15:00	5	12/12/25 11:10	
T254963-04 North Pond [Water] Sampled 12/05/25 06:55 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/02/26 06:55	High Salt / Oil & Grease
200.7	12/12/25 15:00	5	06/03/26 06:55	High Salt / Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/03/26 06:55	High Salt / Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/02/26 06:55	High Salt / Chloride,Sulfate only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/07/25 06:55	High Salt / Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/05/26 06:55	High Salt
Conductivity	12/12/25 15:00	5	01/02/26 06:55	High Salt
pH water SM 4500-H+B	12/12/25 15:00	5	12/06/25 06:55	High Salt
TDS	12/12/25 15:00	5	12/12/25 06:55	High Salt
T254963-05 South Pond [Water] Sampled 12/05/25 07:05 (GMT-08:00) Pacific Time (US &				
1664	12/12/25 15:00	5	01/02/26 07:05	High Salt / Oil & Grease
200.7	12/12/25 15:00	5	06/03/26 07:05	High Salt / Ca,Cu,Na,K,Fe,Mg - Dil @ 100x
200.8	12/12/25 15:00	5	06/03/26 07:05	High Salt / Sb,As,Ba,Cd,Cr,Co,Pb,Ni,Se,Zn - Dil @ 20x
300.0 - F, Cl, Br, SO4	12/12/25 15:00	5	01/02/26 07:05	High Salt / Chloride,Sulfate only Dil @ 20x
300.0 - NO2, NO3, PO4	12/12/25 15:00	5	12/07/25 07:05	High Salt / Nitrate Dil @ 1x if possible
7470/71 Hg	12/12/25 15:00	5	03/05/26 07:05	High Salt
Conductivity	12/12/25 15:00	5	01/02/26 07:05	High Salt
pH water SM 4500-H+B	12/12/25 15:00	5	12/06/25 07:05	High Salt
TDS	12/12/25 15:00	5	12/12/25 07:05	High Salt

Eurofins Calscience (Tustin)

WORK ORDER

T254963

Client: Northstar Environmental Remediation
Project: Genesis Solar Groundwater

Project Manager: Jeff Lee
Project Number: 196-004-07

Analysis	Due	TAT	Expires	Comments
Eurofins Calscience (Tustin)				
T254963-01 DM-1 [Water] Sampled 12/05/25 08:45 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/03/26 08:45	8015M- Therminol (Normal TAT)
T254963-02 DM-2 [Water] Sampled 12/05/25 09:50 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/03/26 09:50	8015M- Therminol (Normal TAT)
T254963-03 DM-3 [Water] Sampled 12/05/25 11:10 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/03/26 11:10	8015M- Therminol (Normal TAT)
T254963-04 North Pond [Water] Sampled 12/05/25 06:55 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/03/26 06:55	8015M- Therminol (Normal TAT)
T254963-05 South Pond [Water] Sampled 12/05/25 07:05 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #1	12/12/25 15:00	5	06/03/26 07:05	8015M- Therminol (Normal TAT)
Isotech Laboratories, Inc.				
T254963-01 DM-1 [Water] Sampled 12/05/25 08:45 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/03/26 08:45	Deuterium,Oxygen-18 (Normal TAT)
T254963-02 DM-2 [Water] Sampled 12/05/25 09:50 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/03/26 09:50	Deuterium,Oxygen-18 (Normal TAT)
T254963-03 DM-3 [Water] Sampled 12/05/25 11:10 (GMT-08:00) Pacific Time (US &				
Misc Water Testing #2	12/12/25 15:00	5	06/03/26 11:10	Deuterium,Oxygen-18 (Normal TAT)