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The logo for the San Western Council of Agriculture (SWCA) is positioned vertically on the left side of the page. It consists of the letters 'S', 'W', 'C', and 'A' in a large, stylized, light blue font, stacked one above the other.

Water Supply Report for the Soda Mountain Solar Project, San Bernardino County, California

JANUARY 2025

PREPARED FOR

Soda Mountain Solar, LLC

PREPARED BY

SWCA Environmental Consultants

**WATER SUPPLY REPORT FOR THE
SODA MOUNTAIN SOLAR PROJECT,
SAN BERNARDINO COUNTY, CALIFORNIA**

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EXECUTIVE SUMMARY

The Soda Mountain Solar Project (project) proposes to construct, operate, and maintain a utility-scale solar photovoltaic (PV) electrical generating and battery energy storage facility and associated infrastructure to generate and deliver renewable electricity to the statewide electricity transmission grid. The project is located on approximately 2,670 acres of land administered by the U.S. Department of Interior, Bureau of Land Management (BLM), within the jurisdiction of the California Desert District, Barstow Field Office in San Bernardino County (County). Construction of the project would occur over approximately 18 months. After approximately 40 years of operation, the facility would be decommissioned over approximately 18 months. The project would use water sourced from one off-site groundwater well within the Silver Lake Valley Groundwater Basin in San Bernardino County, California.

During the construction process, the water demand is estimated to be a maximum of 336 acre-feet for a period of 18 months (a maximum of 200,000 gallons per day, although daily usage within the construction period would vary depending on construction phase). Operational water demand for the project would be approximately 5.6 acre-feet per year and would begin following construction. During the decommissioning process, it is assumed that water demand would be the same as construction (336 acre-feet for a period of 18 months, with a maximum demand of 200,000 gallons per day). Water demand for decommissioning represents a conservative estimate. Total water demand for the project would not exceed 896 acre-feet, including water used during project construction, facility operations over 40 years, and project decommissioning. This Water Supply Report uses the upper-bound water estimates for water demand to determine water supply sufficiency for the proposed project.

This water supply report concludes that, based on an analysis of regional hydrogeology, an evaluation of pumping impacts, and water quality sampling, sufficient water resources are available to meet the projected water demand of the project.

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1 INTRODUCTION

The proposed Soda Mountain Solar Project (project) would include 18 months of construction with a 40-year operational period and an 18-month decommissioning period, requiring 896 acre-feet (af) total of water for construction, operation, and decommissioning for the entire life of the project. The project would use water sourced from one off-site groundwater well within the Silver Lake Valley Groundwater Basin in San Bernardino County, California.

This water supply report has been prepared to approximate water availability within the basin, assess the project's potential impact on groundwater resources, and outline the regulatory framework governing groundwater use across California and within San Bernardino County. This report examines the characteristics of the aquifer, such as drawdown, recharge, and sustainable yield of the well. The evaluation is based on data from existing studies, reports, field-collected groundwater quality samples, and a pump test. Finally, the report provides a summary of project impacts to groundwater resources based on these findings and highlights potential regulatory concerns that may apply to the proposed project.

2 PROJECT LOCATION AND DESCRIPTION

2.1 Location and Setting

The project is located entirely on federally owned land managed by the Bureau of Land Management (BLM). The 2,670-acre project site is located approximately 7 miles southwest of the community of Baker in unincorporated San Bernardino County, California (Figures 1 and 2), approximately 50 miles northeast of Barstow and approximately 0.5 mile from the western boundary of the Mojave National Preserve. The project site is in portions of Sections 1 and 11–14, Township 12 North, Range 7 East; Sections 25 and 36, Township 13 North, Range 7 East; Sections 6–8 and 18, Township 12 North, Range 8 East; and Sections 17–21 and 29–32, Township 13 North, Range 8 East, San Bernardino Meridian, California.

The project would occupy approximately 2,670 acres in the alluvial valley dividing the northern and southern portions of the Soda Mountains in the Mojave Desert. The project is bounded to the east by the Mojave National Preserve and BLM lands, including the Razor Off-Highway Vehicle recreation area in the southeast corner. Interstate 15 (I-15), formerly the Arrowhead Trail Highway, traverses the east side of the project site. The proposed Brightline West High-Speed Passenger Train Project (formerly called the DesertXpress and XpressWest Project) also has been permitted within this corridor.

I-15 runs along the western boundary of the project site, with Razor Road Services Shell Oil gas station located off I-15 southwest of the project site, along the access road to the project site. Infrastructure surrounding the site includes the four-lane I-15, two high-voltage electric transmission lines, an electrical distribution line, wireless cellular telephone towers, two fiber-optic cables, and two fuel pipelines. Portions of the project site are located within a designated federal Section 368 Energy Corridor adjacent to I-15 (corridor number 27-225).

The project is located approximately 12 miles southwest of the associated water supply source, a private well located north of Baker, California (see Figures 1 and 3). Water would be trucked to the project site from the water supply source.

2.2 Project Description

The project proposes to construct, operate, maintain, and decommission a proposed 300-MW PV solar facility located on approximately 2,670 acres. The project components would be as follows:

1. The solar plant site (i.e., all facilities that create a footprint in and around the field of solar panels, including the solar field consisting of solar power arrays identified as the East Array and South Arrays 1, 2, and 3), operation and maintenance (O&M) buildings and structures, stormwater infrastructure, and related infrastructure and improvements.
2. A substation and switchyard for interconnection to the existing transmission system.
3. Gen-tie line connecting the project substation, project switchyard, and existing 500-kV Mead-Adelanto transmission line.
4. Approximately 300 MW/1,200 MWh of battery energy storage system (BESS) across 18 acres.

The project would operate 24 hours per day year-round and deliver solar-generated power to the regional electrical grid through an interconnection with the existing Mead-Adelanto 500-kV transmission line operated by the Los Angeles Department of Water and Power.

The project would plant a variety of native and drought-tolerant trees and shrubs along the western boundary of the project site. There would be approximately 30 acres of landscaped areas on-site, including up to 5 acres of irrigated landscaped areas as needed.

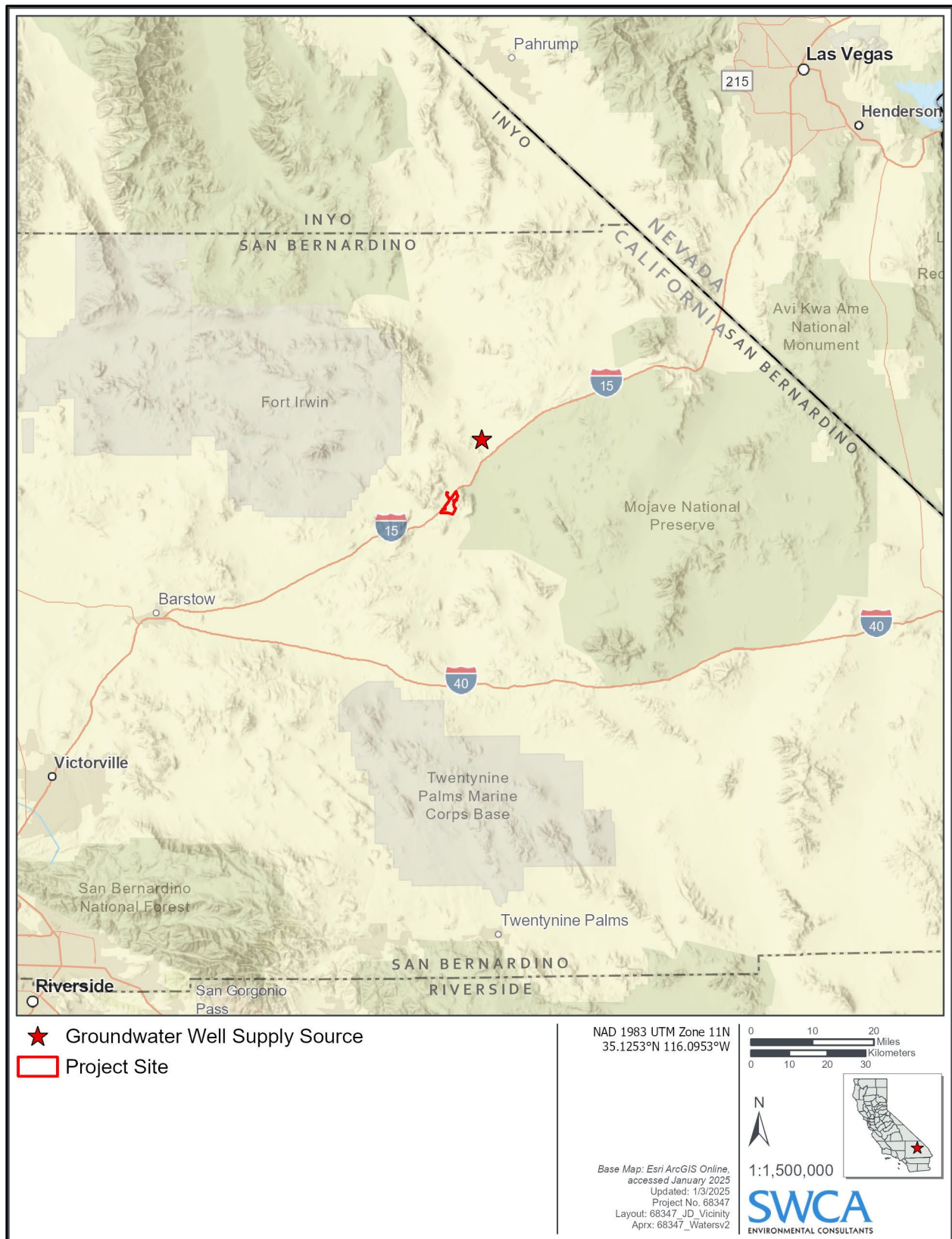


Figure 1. Project vicinity map.

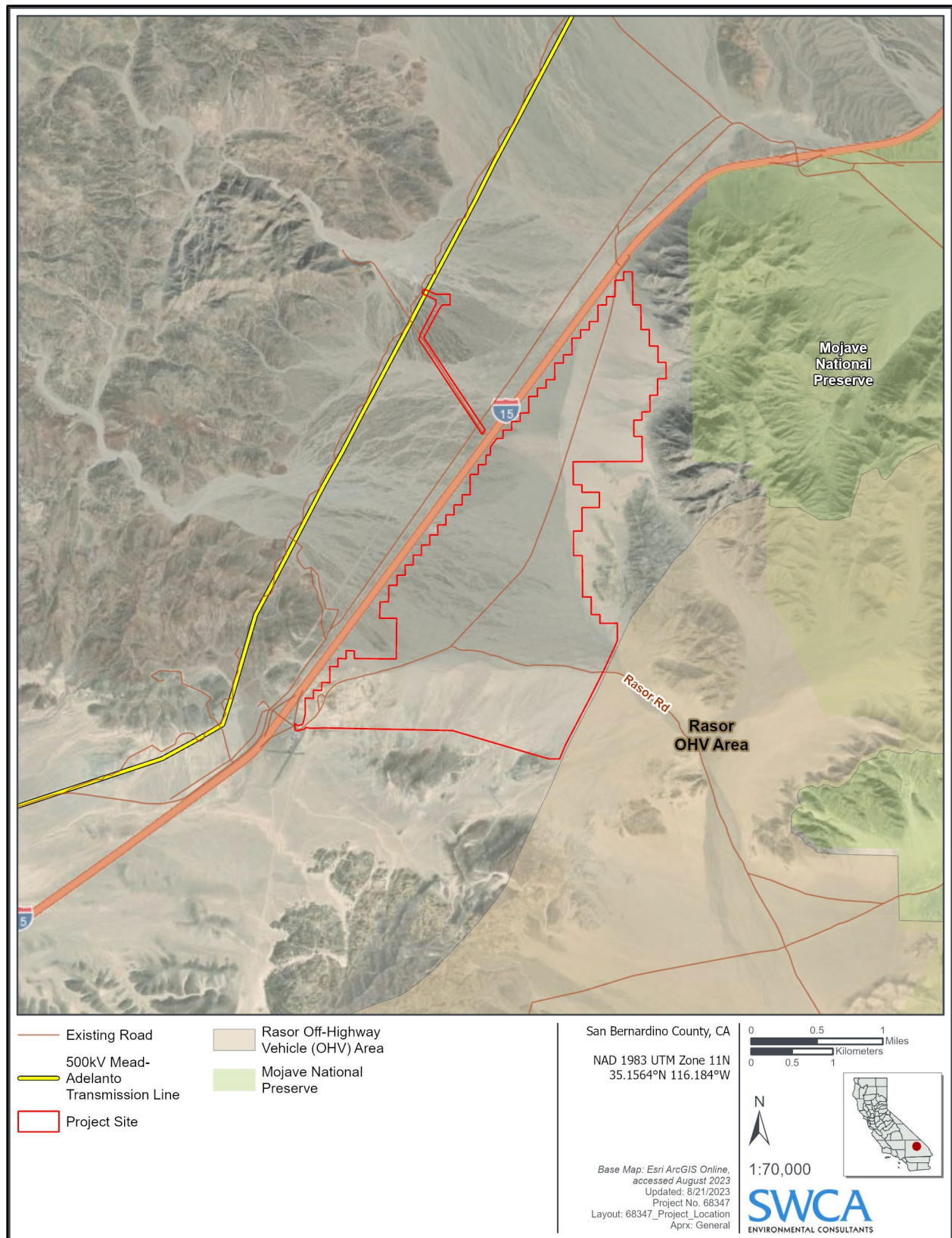


Figure 2. Project site.



Figure 3. Project water supply source.

3 GROUNDWATER MANAGEMENT CONSIDERATIONS AND CALIFORNIA ENERGY COMMISSION GUIDELINES

3.1 Sustainable Groundwater Management Act

The Sustainable Groundwater Management Act of 2014 (SGMA) created a framework to promote the sustainable management of groundwater resources by local agencies. It creates requirements applicable to groundwater basins that have been designated as high- or medium-priority by the California Department of Water Resources (DWR) under California Water Code Section 10933. Basin prioritization is based on the best available socioeconomic and hydrological data, such as population, number of wells, and irrigated acres. The majority of subbasins within the Mojave Desert are designated pursuant to the SGMA as “Low & Very Low Priority” basins. In general, factors that influence basin priority designations within the Mojave Desert remain low, such as urban development, well development, and groundwater reliance. The basin’s priority designation under SGMA may not provide a comprehensive depiction of the hydrologic conditions or groundwater resources underlying the project’s water supply well, particularly due to limited data and development within the region.

The SGMA addresses the depletion of groundwater resources by mandating the formation of groundwater sustainability agencies tasked with developing and implementing groundwater sustainability plans tailored to local basins. These plans outline strategies, such as recharge and demand management to achieve sustainability within 20 years, guided by set goals and criteria. The framework outlined by the SGMA does not apply to the proposed project because the proposed project is underlain by the Soda Lake Valley Groundwater Basin (see Section 4.1), a subbasin designated as low priority by the DWR (DWR 2004a). Additionally, the water supply for the proposed project is situated approximately 12 miles northeast of the proposed project, within the Silver Lake Valley Groundwater Basin. The Silver Lake Valley Groundwater Basin is designated as Very Low Priority pursuant to the SGMA; therefore, the framework outlined by the SGMA does not apply to the proposed project water supply source.

3.2 Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act (Porter-Cologne Act) (Division 7 of the California Water Code) provides the basis for water quality regulation within California and defines water quality objectives as the limits or levels of water constituents that are established for reasonable protection of beneficial uses. The California State Water Resources Control Board administers water rights, water pollution control, and water quality functions throughout the state, while each of the nine Regional Water Quality Control Boards (RWQCBs) conduct planning, permitting, and enforcement activities. The Porter-Cologne Act requires the RWQCB to establish a regional basin plan with water quality objectives, while acknowledging that water quality may be changed to some degree without unreasonably affecting beneficial uses. Beneficial uses, together with the corresponding water quality objectives, are defined as standards, per federal regulations. Therefore, the regional basin plans form the regulatory references for meeting state and federal requirements for water quality control. Changes in water quality are allowed if the change is consistent with the maximum beneficial use of the state, does not unreasonably affect the present or anticipated beneficial uses, and does not result in water quality less than that prescribed in the water quality control plans.

The project falls under the jurisdiction of the Region 6 Lahontan RWQCB, which is responsible for the implementation of state and federal water quality protection statutes, regulations, and guidelines. The Lahontan RWQCB adopted, and the State Water Resources Control Board approved, the *Water Quality Control Plan for the Lahontan Region* (Basin Plan) (California Water Boards 2023) to define how the

quality of surface water and groundwater in the region should be managed to provide the highest water quality as reasonably possible. The Basin Plan lists the various beneficial uses of water within the region; describes the water quality which must be maintained to allow those uses; describes the programs, projects, and other actions which are necessary to achieve the standards established in this plan; and summarizes plans and policies to protect water quality. Beneficial water uses are of two types: consumptive and non-consumptive. Consumptive uses are those normally associated with human activities, primarily municipal, industrial and irrigation uses that consume water and cause corresponding reduction and/or depletion of water supply.

3.3 San Bernardino County Desert Groundwater Management Ordinance

San Bernardino County (County) adopted the Desert Groundwater Management Ordinance of 2002 (DGMO; Ordinance No. 3872, codified at County Code §§ 33.06551 *et seq.*) to help protect water resources in unadjudicated portions of the desert while not precluding its use. When applicable, the ordinance requires a permit to locate, construct, operate, or maintain a new groundwater well within the unincorporated, unadjudicated desert region of San Bernardino County. California Environmental Quality Act (CEQA) compliance must be completed prior to issuance of a permit, and groundwater management, mitigation, and monitoring may be required as a condition of the permit. The ordinance states that it does not apply to “groundwater wells located on federal lands unless otherwise specified by interagency agreement.” The BLM and County entered into a memorandum of understanding, which establishes that the BLM will require conformance with this ordinance for all projects proposing to use groundwater from beneath public lands within the county.

If the ordinance applies, no individual, district, or entity may locate, construct, operate, or maintain a new groundwater well in the designated desert region without first submitting a written application and obtaining a valid permit. This permit is discretionary under CEQA (Public Resources Code 21000 *et seq.*). The ordinance contains various exceptions to its permit requirements.

3.4 California Desert Conservation Area Plan

The California Desert Conservation Area (CDCA) Plan describes multiple-use classes applicable to the project site. Specifically, with respect to water resources, the CDCA Plan (BLM 1999) requires that areas designated Multiple-Use Class L be managed to provide for the protection and enhancement of surface and groundwater resources, except for instances of short-term degradation caused by water development projects. For areas designated Class M or I, the CDCA Plan requires management to minimize the degradation of water resources. For all areas, best management practices (BMPs) developed by the BLM shall be used to avoid degradation and to comply with Executive Order 12088, which requires all federal agencies be in compliance with environmental laws and fully cooperate with the Environmental Protection Agency (EPA) and with state, interstate, and local agencies to prevent, control, and abate environmental pollution.

3.5 California Energy Commission Requirements

The California Energy Commission (CEC) is the CEQA lead state agency for the proposed project. The CEC Appendix B Information Requirements for an Application for Certification (AFC) or Small Power Plant Exemption (SPPE) requires that specific issues related to groundwater resources be addressed. The issues addressed within this water supply report include relevant applicable groundwater resources outlined in CEC Appendix B Information Requirements for an AFC or SPPE, including:

- A detailed description of the hydrologic setting of the project, including groundwater bodies, surface water bodies, surface inundations zones, and any groundwater wells within 0.5 mile of the proposed project and its water supply well (Section 4);
- A detailed description of the water to be used and discharged by the project, including:
 - The source(s) of the primary and back-up water supplies and the rationale for their selection (Section 7.1);
 - The expected physical and chemical characteristics of the source and discharge water(s) including identification of both organic and inorganic constituents before and after any project-related treatment (groundwater quality test results are discussed in Section 5.3 with a copy of the laboratory analytical report provided in Appendix A);
 - An average and maximum daily and annual water demand and wastewater discharge for the construction, operation, and decommissioning phases of the project (Section 6);
 - A detailed description of all facilities to be used in water conveyance (from primary source to the power plant site), water treatment, and wastewater discharge (Section 6);
 - For all water supplies intended for industrial uses to be provided from public or private water purveyors, a letter of intent or will-serve letter indicating that the purveyor is willing to serve the project, has adequate supplies available for the life of the project, and any conditions or restrictions under which water will be provided (Section 6);
 - Water mass balance and heat balance diagrams for both average and maximum flows that include all process and/or ancillary water supplies and wastewater streams. Highlight any water conservation measures on the diagram and the amount that they reduce water demand (Section 6.2.3).
 - For all water supplied which necessitates transfers and/or exchanges at any point, to identify all parties and contracts/agreements involved, including the primary source for the transfer and/or exchange water (e.g., surface water, groundwater), the status of all appropriate agencies' approvals for the proposed use, environmental impact analysis on the specific transfers and/or exchanges required to obtain the proposed supplies, a copy of any agency regulations that govern the use of the water, and an explanation of how the project complies with the agency regulation(s) (Section 6);
- An impact analysis of the proposed project on water resources and a discussion of conformance with water-related laws, ordinances, regulations, and standards and policy. This discussion shall include:
 - The effects of project demand on the water supply and other users of this source, including, but not limited to, water availability for other uses during construction or after the power plant begins operation, consistency of the water use with applicable RWQCB basin plans or other applicable resource management plans, and any changes in the physical or chemical conditions of existing water supplies as a result of water use by the power plant (Section 8);
 - If the project will pump groundwater, an estimation of aquifer drawdown based on a computer modeling study shall be conducted by a professional geologist and include the estimated drawdown on neighboring wells within 0.5 mile of the proposed well(s), any effects on the migration of groundwater contaminants, and the likelihood of any changes in existing physical or chemical conditions of groundwater resources shall be provided (Section 8).

4 GROUNDWATER BASINS AND CLIMATE

The proposed project is underlain by the Soda Lake Valley Groundwater Basin, whereas the project's water supply source is situated approximately 12 miles northeast and contained within the Silver Lake Valley Groundwater Basin. Both the Silver Lake Valley and Soda Lake Valley Groundwater Basin are located within San Bernardino County and adjacent to one another (Figure 4).

4.1 Silver Lake Valley Groundwater Basin

The Silver Lake Valley Groundwater Basin has a mean elevation that ranges from approximately 900 to 1,200 feet above sea level (DWR 2004a). The basin is bounded by nonwatery-bearing rocks of the Soda Mountains on the southwestern/western portion of the basin, the Hollow Hills to the northeast. A low-lying alluvial drainage separates the Silver Lake Valley Groundwater Basin into a northern and southern boundary. The Silver Lake Valley Groundwater Basin receives between 4 to 6 inches of precipitation annually. The majority of recharge to the Silver Lake Valley occurs via percolation of precipitation runoff along the alluvial fan deposits found along the margins of the basin. Quaternary alluvium is the primary water bearing material within the Silver Lake Valley Groundwater Basin that has an approximate maximum thickness of 180 feet (DWR 2004a). The Silver Lake Valley Groundwater Basin has an estimated total aquifer storage capacity of 380,000 af (DWR 2004a).

4.2 Soda Lake Valley Groundwater Basin

The Soda Lake Valley Groundwater Basin has an approximate elevation of 923 feet (found in the lower portions of the basin floor) to 5,000 feet (the upper portions of the eastern-mountain basin boundary). The Soda Lake Valley Groundwater Basin is bounded by low permeability nonwatery-bearing rocks of the Marl and Kelso Mountains to the east, the Bristol and Cady Mountains to the south, and the Soda and Cave mountains along the western boundary of the basin (DWR 2004a). Quaternary alluvium is the primary water bearing material found within the Soda Lake Valley Groundwater Basin which exists primarily at or around the basin valley. The Quaternary alluvium found within the Soda Lake Valley consists of unconsolidated younger alluvium underlain by older, poorly consolidated alluvial material. The Soda Lake Valley Groundwater Basin has an estimated alluvial aquifer thickness of up to 400 feet. Recharge to the Soda Lake Valley Groundwater Basin occurs primarily from discharge to the local alluvial aquifer from the Mojave River, percolation through alluvial fan deposits along the basin margins, and to a lesser extent, subsurface inflows from Cave Canyon, Kelso, and the Broadway Valley groundwater basins (DWR 2004a). Groundwater typically follows the natural topography of the area and generally flows toward Soda Lake where it eventually discharges to the Silver Lake Valley Groundwater Basin.

4.3 Climate

The project vicinity has a warm, dry desert climate, with extremely hot, dry summers and temperate winters. It receives little rainfall. The climatic records for Barstow Daggett AP Fire Station, California, in San Bernardino County, California (Cooperative Observer Program [COOP] Station No. 042257), indicate that the project site has an average annual maximum temperature of 81.6 degrees Fahrenheit (°F) and an average annual minimum temperature of 53.4°F. The average annual rainfall at the project site is 3.83 inches, most of which occurs between December and February, whereas the average annual total snowfall, which largely occurs during December and January, is 0.8 inch (Western Regional Climate Center 2023).

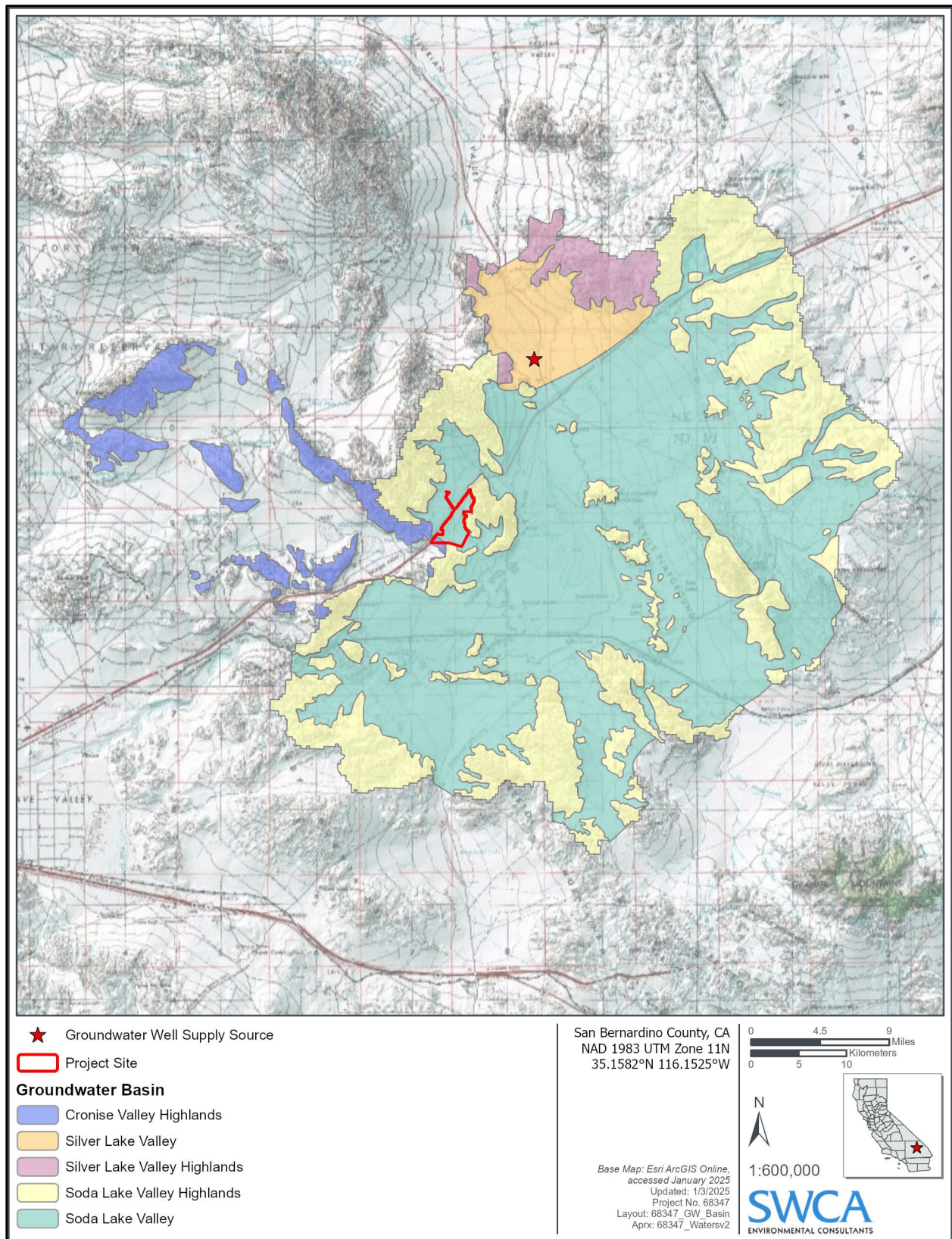


Figure 4. Project site, including project water supply well and groundwater basins, within project vicinity (DWR 2020).

5 HISTORIC WATER QUALITY

The DWR has documented groundwater basins across the state, detailing characteristics such as groundwater quality, quantity, and basin geology in Bulletin 118 reports. Bulletin 118 reports provide background information on each basin, including the Silver Lake Valley Groundwater Basin, which underlies the project's water supply source, and the Soda Lake Valley Groundwater Basin, which underlies the proposed project area. Additionally, water quality sampling was conducted for the proposed water supply source to better understand current water quality conditions.

5.1 Silver Lake Valley Groundwater Basin

Historically, the groundwater in the Silver Lake Valley is primarily classified as sodium chloride and sodium bicarbonate-chloride dominant, a result of the dissolution of naturally occurring geological formations (DWR 2004a). The water quality in the valley is considered marginal to inferior for domestic and irrigation use due to elevated levels of fluoride, boron, and total dissolved solids (TDS). Fluoride concentrations in the Silver Lake Valley Groundwater Basin average around 2.3 mg/L, boron levels are approximately 1.3 milligrams per liter (mg/L), and TDS concentrations average 1,310 mg/L (DWR 2004a).

5.2 Soda Lake Valley Groundwater Basin

Groundwater quality across the Soda Lake Valley Groundwater Basin was inventoried across 35 wells between years 1994 and 2000 under the California Department of Health Services Title 22 plan (DWR 2004b). The Soda Lake Valley Groundwater Basin water quality study highlighted elevated concentrations (in mg/L) of fluoride, boron, and TDS. Of the 35 wells, 31 monitoring wells exceeded the groundwater quality standard of 0.9 mg/L of fluoride for domestic use. The average fluoride concentration was 3.5 mg/L with some monitoring wells exhibiting concentrations as high as 33.3 mg/L. Boron concentrations exceeded 1.0 mg/L in 20 of the 35 monitoring wells with an average concentration of 1.3 mg/L. TDS concentrations across the monitoring wells averaged 1,500 mg/L with the highest concentrations (8,300 mg/L) found near Soda Lake.

5.3 Current Water Quality Results

In January 2025, Title 22 water quality testing was conducted on the source well (Well Completion Report Number: WCR2020-016662) to evaluate its water quality using the Title 22 analyte panel (Appendix A). While the testing followed the protocols required for drinking water compliance, the project would not use the well for potable water. Detected analytes are presented in Table 2, with only concentrations above the reporting limit included. All other tested constituents were below detection limits. None of the detected analytes exceeded their respective maximum contaminant levels (MCLs) or secondary MCLs (SMCLs), which are benchmarks established by California regulations to protect human health and address aesthetic water quality concerns (Table 1).

Table 1. Source Well Detected Analytes Results

Detected Analyte	Result	Unit [†]	Title 22 MCL
Chloride	250	mg/L	500–1,500 (SMCL)
Nitrate as N*	4.2	mg/L	10

Detected Analyte	Result	Unit†	Title 22 MCL
Sulfate	190	mg/L	250
Perchlorate	1.1	µg/L	6
Calcium	26	mg/L	Not specified
Iron	0.21	mg/L	Not specified
Magnesium	14	mg/L	Not specified
Potassium	9.5	mg/L	Not specified
Sodium	320	mg/L	Not specified
Aluminum	200	µg/L	1,000
Arsenic	4.2	µg/L	10
Barium	29	µg/L	1,000
Chromium	11	µg/L	50
Manganese	15	µg/L	50 (SMCL)
Selenium	2.9	µg/L	10 50
Vanadium	24	µg/L	Not specified
Zinc	21	µg/L	5,000
Total alkalinity as CaCO ₃	240	mg/L	Not specified
Bicarbonate alkalinity as CaCO ₃	240	mg/L	Not specified
Specific conductance	1,700	µmhos/cm	Upper: 1,600 Short term 2,200
TDS	1,000	mg/L	1,000–1,500
Fluoride	1	mg/L	2,000
pH*	8.2	SU	6.5–8.5 (SMCL)

* Sample was received, prepped, or analyzed beyond the specified holding time for this parameter.

† mg/L = milligrams per liter; µg/L = micrograms per liter; µmhos/cm = micromhos per centimeter; SU = standard units

Three analytes: nitrate, nitrite, and methylene blue active substances, were not analyzed within their specified holding times. This would only present a compliance issue if the well were being evaluated for Title 22 drinking water use. However, as this assessment was solely for water quality characterization, the missed hold times are not expected to affect the overall conclusions. Samples were analyzed and evaluated based on their respective MCL, regardless.

The testing confirmed that no analyte within the Title 22 panel exceeded the primary or secondary MCL established by California or the EPA. See Appendix A for the Title 22 Analytical Report, prepared by Eurofins Eaton Analytical Pomona. Title 22 water quality thresholds for specific conductance include two separate thresholds: a higher short-term threshold and a lower long-term threshold. The short-term threshold allows for brief fluctuations that might occur in water sources, whereas the long-term threshold is designed to protect water quality over an extended period. The source well water quality sample exceeded the long-term threshold by 100 mg/L but remained below the short-term threshold.

5.4 Local Groundwater and Land Use

Aerial imagery reveals that the vicinity of the water supply well and the Silver Lake Valley Groundwater Basin is almost entirely undeveloped desert habitat. Additionally, there are no developed agricultural

fields within the area and no wells within a 0.5-mile radius of the project water supply well. The project water supply well is located approximately 3 miles north of Baker, a census-designated place in San Bernardino, California. Baker is located within the Soda Lake Valley Groundwater Basin, which discharges into the Silver Lake Valley Groundwater Basin, where the proposed water supply well is located. The population in Baker is approximately 550 as of 2022 and according to the San Bernardino well inventory, there are 54 wells located within Baker (California Natural Resources Agency 2025).

6 PROJECT WATER DEMAND

The proposed project would source water from a private well (Well Completion Report Number: WCR2020-016662) located approximately 12 miles northeast of the project site. The project proponent and the water supplier have secured a Long-Term Water Supply Service Agreement for the Soda Mountain Solar Project; however, this document is not provided herein to maintain confidentiality.

The proposed project would require a maximum of 336 af of water to support construction over an 18-month period (Table 2). Thereafter, the project would require up to 5.6 acre-feet per year (af-yr) (1,824,768 gallons) to support operations and maintenance activities. Decommissioning activities for the project are not specifically known at this time; therefore, in order to provide a conservative analysis, this analysis assumes that the duration of decommissioning activities would be the same as the duration of construction activities. Therefore, it is assumed that water demands associated with decommissioning the project would be comparable in duration and scale to water demands associated with the construction period (336 af of water over an 18-month period) and would be used primarily for dust suppression and soil compaction. The total project lifespan would be up to 40 years. The water demand for each phase of the proposed project is described in detail in Section 6.1, Construction Water Demand, Section 6.2, Operation and Maintenance Water Demand, and Section 6.3, Decommissioning Water Demand. Table 2 provides a summary estimate of project water demand. These estimates are intentionally based on upper-bound water use, and the actual project water demand is expected to be lower.

Table 2. Summary of Project Water Demand

Project Phase	Approximate Percentage of Total (%)	Water Demand (gallons)	Water Demand (af)	Daily Maximum (gallons)*
Maximum Construction Water Demand (18 months)				
Dust control	85	93,063,156	285.6	170,000
Initial system demand	10	10,948,607	33.6	20,000
Personnel	5	5,474,303	16.8	10,000
Total	100	109,486,065	336	200,000
Operations and Maintenance Water Demand (annually)				
System wash water	50	912,384	2.8	14,482
Process water	5	91,238	0.28	250
Facilities (non-potable)	25	456,192	1.4	1,250
Irrigation	10	182,477	0.56	450
Fire suppression	10	182,477	0.56	450
Total	100	1,824,768	5.6	24,123
Maximum Decommissioning Water Demand (18 Months)				
Dust control	85	93,063,156	285.6	170,000

Project Phase	Approximate Percentage of Total (%)	Water Demand (gallons)	Water Demand (af)	Daily Maximum (gallons)*
Initial system demand	10	10,948,607	33.6	20,000
Personnel	5	5,474,303	16.8	10,000
Total	100	109,486,065	336	200,000

* Herein, it is assumed that the peak daily water usage for construction, operational, and decommissioning activities is equivalent to the daily average water usage. If the peak daily demand were used every day for construction, construction of the proposed project would use 336 af, which represents the maximum estimated water demand for project construction. The actual water usage for construction will be less. For project operation, it is assumed that system washing would occur three times per year, lasting for a duration of 3 weeks per washing cycle. The maximum water demand for system washing was calculated by dividing the annual operational water usage by 9 weeks, or 63 days.

Table 3. Project Water Use Projections (af)

Project Water Use Projection (af)											
Year	18-Month Construction	1	2	3	4	5	6	7	8	9	10
Water use	336	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Cumulative Total	336	341.6	347.2	352.8	358.4	364	369.6	375.2	380.8	386.4	392
Year	11	12	13	14	15	16	17	18	19	20	21
Water use	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Cumulative Total	397.6	403.2	408.8	414.4	420	425.6	431.2	436.8	442.4	448	453.6
Year	23	24	25	26	27	28	29	30	31	32	33
Water use	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Cumulative Total	464.8	470.4	476	481.6	487.2	492.8	498.4	504	509.6	515.2	520.8
Year	35	36	37	38	39	40	18-Month Decommissioning				
Water use	5.6	5.6	5.6	5.6	5.6	5.6	336				
Cumulative Total	532	537.6	543.2	548.8	554.4	560	896				

6.1 Construction Water Demand

Project construction would use source well water during the 18-month construction period. It is assumed the project peak water demand could reach a maximum of 200,000 gallons per day (gpd), which would be used primarily for dust control and soil compaction during approximately 90 days of grading activities, with small amounts used for personnel and other purposes. The proposed project specifies that up to 336 af is estimated for the 18-month construction; however, the proposed project would only use up to 336 af if the peak water demand were used every day during construction. Therefore, 336 af represents the maximum possible water demand for project construction. Actual water demand during project construction would decrease substantially following the first 90-day period.

6.2 Operation and Maintenance Water Demand

Water used for project operation and maintenance would also be sourced from the source well. During the 40-year operating period, it is estimated that the project would require up to 5.6 af-yr (1,824,768 gallons per year), totaling 224 af over the 40-year life of the project.

6.2.1 *System Wash Water*

Operational water use will primarily involve the periodic washing of photovoltaic modules, which is anticipated to occur three times annually for a 3-week duration washing cycle. This process aims to remove dust and maintain power generation efficiency, with no additives or detergents required. Washing would be done using a truck-mounted pressure washer (i.e., system washwater). Panel washing would require approximately 2.8 af (912,384 gallons) of water per year. During the operational phase, the project would have a maximum daily water demand of 24,123 gallons, which would occur during periods of system washing (see Table 2).

6.2.2 *Process Water and On-site Facilities Water*

The solar collector would require an estimated 0.28 af (91,238 gallons) of water per year. Other non-potable facility use would require an estimated 1.4 af (456,192 gallons) of water per year.

6.2.3 *Landscape Irrigation and Fire Suppression*

Limited landscape irrigation would be required at an estimated 0.56 af (182,459 gallons) of water per year. Fire suppression is estimated at 0.56 af (182,459 gallons) of water per year.

6.2.4 *Water Mass and Heat Balance*

Water mass balance diagrams are typically used to quantify and manage water input, output, and losses in systems where water is actively circulated, evaporated, or treated, such as in concentrated solar power plants with cooling systems. Similarly, heat balance diagrams are relevant in projects involving significant heat energy transfers, such as those using steam turbines to convert solar energy into electricity. Water usage for the proposed project involves standard construction and operational water use with the biggest driver of long-term water use going toward panel cleaning. The process uses groundwater without any significant thermal energy transformation; therefore, no water mass balance or heat balance diagrams are provided herein.

6.3 *Decommissioning Water Demand*

Once the functional operating life of the project is over, the facility would be decommissioned to remove project components and restore the site. Herein, it is assumed that water demands associated with decommissioning the project would be comparable in duration and scale to water demands associated with the construction period and would primarily be related to dust suppression and soil compaction. As discussed above in Section 6.1, water demands are analyzed for an 18-month construction period. Because decommissioning would be comparable in duration and scale to the construction period, it is assumed that this phase would occur over the course of 18 months.

7 *BASIN WATER BUDGET*

Detailed studies on inflow to the Silver Lake Valley Groundwater Basin are not currently available. This report details inflow and outflow estimates from neighboring basins with more robust analyses and other supplementary data sources to extrapolate estimates of the source well basin's water budget.

7.1 Sources of Basin Outflow

Evapotranspiration

Evapotranspiration is the water use from native plants that is absorbed by the plant roots, used by the plant, and then evaporates from the plant into the air. The historic average outflow from evapotranspiration is equal to 2,000 af-yr (Todd Engineers 2013).

Project Water Supply Well

It is expected that the proposed project will source up to 896 af of water over the course of 18 months of construction, 40 years of operation, and 18 months of decommissioning. The majority of water would be pumped during the 18 months of construction and decommissioning periods (maximum of 336 af during each phase), whereas the 40-year operational period will require a total of 224 af, averaging 5.6 af-yr.

In addition to the water demand associated with the proposed project, the well owner requires full use of the well for 4 to 6 hours per day for on-site agriculture irrigation (Ward 2024). The well owner will pump 250 gallons per minute (gpm) for a maximum of 6 hours per day, or 90,000 gpd. Over the course of 1 year, the well owner would use a maximum of approximately 32,850,000 gallons, or 101 af, for on-site agriculture irrigation.

The total maximum pumping demand for the project water supply well (i.e., the project water demand plus the well owner's on-site agriculture irrigation water use) is 437 af during 18 months of project construction phases, 106.6 af-yr during project operation phases, and 437 af during the 18-month decommissioning phase. See Appendix C for the Well Completion Report.

Total Pumping

According to the DWR Sustainable Groundwater Management Mapping Tool, the Silver Lake Valley Groundwater Basin has five wells; however, activity status of each well is unknown. Additionally, according to the DWR, there is no groundwater pumping within the basin (DWR 2020).

Although the DWR has no records of groundwater pumping within the Silver Lake Valley Basin, the well owner currently uses the proposed project water supply well for irrigation for up to 6 hours per day. Therefore, it is assumed that the current groundwater pumping within the Silver Lake Valley Groundwater Basin is at least equal to the irrigational demand from the well owner for agriculture irrigation, or 101 af-yr.

7.2 Sources of Basin Inflow

Mountain Front Recharge and Precipitation

Mountain front recharge estimates for this report were sourced from Conceptual Hydrogeologic Model and Assessment of Water Supply and Demand for the Centro and Baja Management Subareas Mojave River Groundwater Basin (Todd Engineers 2013). Mountain front recharge estimates represent 0.49% of average annual rainfall on contributing watershed areas outside the Mojave River Basin model boundary. Historic averages are equal to 980 af-yr (Todd Engineers 2013).

Any additional precipitation-based recharge within the Silver Lake Valley lowlands is assumed to be negligible because precipitation-based recharge in arid regions such as the Mojave Desert is generally low due to limited precipitation and high rates of evapotranspiration.

Return Flow (Recirculated Production)

The return flow from pumping is the amount of water that returns to the groundwater basin after consumptive use. For instance, return flow for water that is pumped and used for agricultural purposes is the water that percolates back into the basin that is not lost to plant use or evapotranspiration.

The percentage of return flow is based on a 12.6% average return flow for the Baja Subarea, sourced from the 2015 Urban Water Management Plan (Mojave Water Agency 2021).

Pumping within the basin is not reported and no active wells can be determined besides the project water supply well. Therefore, the current return flow for the Silver Lake Valley Groundwater Basin is likely based only on the return flow for the irrigated land surrounding the project water supply source, which is approximately 101 af-yr. In total, approximately 12.7 af-yr will be returned to the basin based on a 12.6% return flow estimate.

8 IMPACT ANALYSIS

Limited data on basin conditions are available to conduct a comprehensive impact analysis of the proposed project's water demand on the underlying aquifer. Data from the DWR Bulletin 118 report for the Silver Lake Valley Groundwater Basin (DWR 2004a) were used to model various project impact scenarios on aquifer storage drawdown. Additionally, details from the aquifer test are provided to evaluate reasonable pumping impacts on aquifer drawdown and to demonstrate the well's ability to sustain construction, operational, and decommissioning water demands for the project in addition to the well owner's on-site use for agriculture irrigation.

8.1 Water Availability

The Silver Lake Valley Groundwater Basin has a surface area of approximately 35,300 acres, and an estimated aquifer storage capacity of 380,000 af. No available data was present on the porosity of the Silver Lake Valley Groundwater Basin so an approximate porosity of 0.33 was used based on the sand content noted in the Silver Lake Valley Groundwater Basin (porosity values of high sand content soils typical range from (0%–35%) With these, the following calculations are made.

1) Drawdown

- a. Equation:

$$\text{Drawdown (feet)} = \frac{\text{Volume Pumped (af)}}{\text{Basin area (acres)}}$$

- b. **Scenario 1:** Assuming an unrealistic scenario in which 896 af (the total project water demand) is pumped from the basin, with no source of recharge, the drawdown would approximately be 0.025 feet, or 0.3 inch.
- c. **Scenario 2:** The daily maximum water demand for the proposed project should not exceed 200,000 gpd during the project lifespan (construction, operation, and decommissioning periods), or 0.61 af per day. During this period of peak water demand, the proposed project could result in 2.07×10^{-4} inch per day of drawdown.
- d. **Scenario 3:** The daily maximum water demand for the proposed project should not exceed 200,000 gpd during the project lifespan. In addition, the well owner requires up to 90,000 gpd for irrigation. In total, the maximum demand on the well is 290,000 gpd, or

0.89 af per day. During this period of peak water demand, the proposed project could result in 3.03×10^{-4} inch per day of drawdown.

2) Average depth

a. Equation:

$$\text{Average depth (feet)} = \frac{\text{Storage Capacity (af)}}{\text{Basin Area (acres)}}$$

b. The average thickness of the basin is approximate 10.8 feet. It is assumed herein that 10.8 feet represents the average saturated thickness of the aquifer.

3) Total volume of water within the aquifer (available water for pumping)

a. Equation:

$$V = A \times b \times \phi$$

Where: V = Volume of water stored within the aquifer (af)

A = Area of the aquifer (acres)

b = Thickness of the aquifer (feet)

ϕ = Porosity of the aquifer (dimensionless)

b. The total volume of water (in af) found within the Silver Lake Valley Groundwater Basin is as follows:

i. $V = 35,300 \text{ (acres)} \times 10.8 \text{ (feet)} \times 0.33 \text{ (dimensionless)}$

ii. $V = 125,809 \text{ af}$

4) Percentage used out of total available storage

a. Equation:

$$\text{Percent Usage} = \frac{\text{Quantity used (af)}}{\text{Quantity available (af)}} \times 100$$

b. **Scenario 1:** The project's water use of 896 af could result in using approximately 0.71% of the stored water within the Silver Lake Valley Groundwater Basin over the course of the project life; however, this assumes that the basin exists within a static state, receiving no recharge or discharge. Additionally, this assumes that the entirety of the project water supply is pumped all at once.

c. **Scenario 2:** The project's daily peak water demand would not exceed 200,000 gpd, which would result in less than 0.0005% of the stored water volume within the Silver Lake Valley Groundwater Basin being used. Scenario 2 operates under the same conditions as Scenario 1; however, it may represent a more realistic reduction in available storage because it represents peak daily usage by the project in a static system as opposed to the total long-term project water usage within a static system.

- d. Scenario 3:** Peak water demand during the project lifespan could include project water demand and irrigational water demand from the well owner, totaling 290,000 gpd. This scenario would result in approximately 0.0007% of the stored water volume within the Silver Lake Valley Groundwater Basin being used. Scenario 3 operates under the same conditions as Scenario 2; however, it includes the upper bound of the source well usage by the owner (project water demand plus well owner water demand).

8.2 Aquifer Test Results

On January 7, 2025, SWCA conducted a 24-hour pump test to assess the water availability and viability of the source water well for the project. Data collected during the test was analyzed using AquiferTest, a leading software tool in the industry, to determine the characteristics of the local aquifer at the location of the source well. AquiferTest is widely used to interpret pump test and aquifer recovery results, enabling detailed analysis of the hydrogeologic properties at the source well site. The results of the aquifer test are in Appendix B.

9 CONCLUSION

Regulatory Setting

Desert Groundwater Management Act: The Silver Lake Valley Groundwater Basin falls under the scope of the DGMO due to its location within the unadjudicated desert region of San Bernardino County and the Mojave Desert. The DGMO was enacted to ensure sustainable groundwater use and protect resources in such unregulated areas. The project would source water from an existing water supply well, whereas the DGMO applies to the construction, operation, and maintenance of new groundwater wells within desert regions of San Bernardino County.

Sustainable Groundwater Management Act: The Sustainable Groundwater Management Act was enacted to address groundwater overdraft and ensure the long-term sustainability of California's groundwater resources, particularly in basins with significant agricultural, municipal, or industrial demand. The Silver Lake Valley Groundwater Basin, where the proposed project's water supply source is located, is designated as a Very Low Priority basin under SGMA due to minimal groundwater use and negligible socioeconomic development. Only five wells are listed in the SGMA Basin Prioritization Mapping Tool, with just one confirmed as active. Given these conditions, SGMA regulations do not apply to the project's water supply source. The lack of significant groundwater demand and socioeconomic development in the vicinity of the water supply source supports the feasibility of using the well for the project's 40-year lifespan without notable impacts on regional water availability.

Aquifer Test

The project anticipates a water use demand up to 200,000 gpd occurring during construction. The well owner will require up to an additional 90,000 gpd, totaling a maximum of 290,000 gpd. This represents the absolute maximum potential daily water demand for the proposed water supply well.

The aquifer test was conducted at a constant rate of 250 gpm and indicated that the basin could stabilize in less than 6 hours of continual use. During peak water use events, the maximum demand on the well would not exceed 201.4 gpm, which indicates that the well will support the maximum water demand for the proposed project in addition to the on-site agriculture irrigational water requirements for the well owner.

Basin Drawdown Scenarios

Herein, it was determined that project water demand would result in a maximum possible drawdown within the basin of 0.3 inch, with a maximum reduction in available storage of 0.71%, assuming the entire project water volume were drawn with no recharge.

During peak daily water usage, the project would not exceed 200,000 gpd; this scenario would result in a negligible drawdown of 2.07×10^{-4} inch per day and a reduction of less than 0.0005% of the stored water volume within the basin. Water usage could reach 290,000 gpd to support the project demand and irrigational demand from the well owner. This scenario would result in a negligible drawdown of 3.03×10^{-4} inch per day and a reduction of less than 0.0007% of the stored water volume within the basin.

Groundwater Quality

Single-point groundwater sampling results from the proposed source water well detected no analytes above the California Title 22 MCLs or SMCLs. Project-related water treatment is not anticipated for the construction, operation, or decommissioning of the project.

10 REFERENCES CITED

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APPENDIX A

Title 22 Analytical Report

ANALYTICAL REPORT

PREPARED FOR

Attn: Nolan Perryman
SWCA Environmental Consultants
320 N. Halstead Street
Suite 120
Pasadena, California 91107

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JOB DESCRIPTION

2024T: CA SWRCB/DDW Title 22

JOB NUMBER

380-129268-1

Eurofins Eaton Analytical Pomona

Job Notes

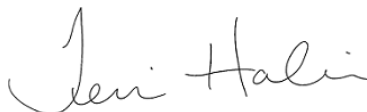
This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and 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 Eaton Analytical, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



Authorized for release by
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Terri.Harlin@et.eurofinsus.com
(626)386-1149

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Definitions/Glossary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Q2	Sample received with headspace.

GC/MS Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

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

Dioxin

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Definitions/Glossary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: SWCA Environmental Consultants
Project: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Job ID: 380-129268-1

Eurofins Eaton Analytical Pomona

Job Narrative 380-129268-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/9/2025 9:43 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 3.8°C.

GC/MS VOA

Method CA_DWRL_123TCP: Headspace of > 6mm observed at time of analysis. Headspace does not impact TCP due to its low Henry's constant thus TCP does not volatilize quickly like fixed gases do.

Baker (380-129268-1) and (380-129268-E-1 DU)

Method 524.2_Pres_PREC: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container(s): Baker (380-129268-1). The sample container was received with headspace.

Method 524.2_Pres_PREC: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container(s): Baker (380-129268-1). The sample container was received with headspace.

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

GC/MS Semi VOA

Method 525.2_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 380-127221 and analytical batch 380-127547 were outside control limits for Benzo[a]pyrene. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

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

Herbicides

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

Pesticides/PCBs

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

HPLC/IC

Method 300_OF_48H_PREC: The following sample was diluted for Nitrite as N to prevent detector saturation due to high conductivity: Baker (380-129268-1). Elevated reporting limits (RLs) are provided.

Method 300_OF_48H_PREC: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Baker (380-129268-1).

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

Eurofins Eaton Analytical Pomona

Case Narrative

Client: SWCA Environmental Consultants
Project: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Job ID: 380-129268-1 (Continued)

Eurofins Eaton Analytical Pomona

Pesticides

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

LCMS

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

Dioxin

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

Metals

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

General Chemistry

Method 2320B: The method blank for analytical batch 380-127532 contained Total Alkalinity as CaCO₃ more than half of the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 5540C: The following sample was analyzed outside of analytical holding time due to sample was received by analyst past hold on 1/9/24 at 1332 when hold time expired at 1007.: Baker (380-129268-1).

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

Detection Summary

Client: SWCA Environmental Consultants

Job ID: 380-129268-1

Project/Site: 2024T: CA SWRCB/DDW Title 22

Client Sample ID: Baker

Lab Sample ID: 380-129268-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloride	250		2.5		mg/L	5			300.0	Total/NA
Nitrate as N	4.2	H	0.25		mg/L	5			300.0	Total/NA
Sulfate	190		1.3		mg/L	5			300.0	Total/NA
Perchlorate	1.1		0.50		ug/L	1			331.0	Total/NA
Calcium	28		1.0		mg/L	1			200.7 Rev 4.4	Total Recoverable
Iron	0.21		0.010		mg/L	1			200.7 Rev 4.4	Total Recoverable
Magnesium	14		0.10		mg/L	1			200.7 Rev 4.4	Total Recoverable
Potassium	9.5		1.0		mg/L	1			200.7 Rev 4.4	Total Recoverable
Sodium	320		2.0		mg/L	2			200.7 Rev 4.4	Total Recoverable
Aluminum	200		20		ug/L	1			200.8	Total Recoverable
Arsenic	4.2		1.0		ug/L	1			200.8	Total Recoverable
Barium	29		2.0		ug/L	1			200.8	Total Recoverable
Chromium	11		0.90		ug/L	1			200.8	Total Recoverable
Manganese	15		2.0		ug/L	1			200.8	Total Recoverable
Selenium	2.9		2.0		ug/L	1			200.8	Total Recoverable
Vanadium	24		2.0		ug/L	1			200.8	Total Recoverable
Zinc	21		20		ug/L	1			200.8	Total Recoverable
Total hardness as CaCO3	130		2.9		mg/L	1			SM 2340B	Total/NA
Calcium hardness as CaCO3	70		2.5		mg/L	1			SM 2340B	Total/NA
Magnesium hardness as CaCO3	58		0.41		mg/L	1			SM 2340B	Total/NA
Total Alkalinity as CaCO3	240		2.0		mg/L	1			SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	240		2.0		mg/L	1			SM 2320B	Total/NA
Specific Conductance	1700		2.0		umhos/cm	1			SM 2510B	Total/NA
Total Dissolved Solids	1000		20		mg/L	1			SM 2540C	Total/NA
Fluoride	1.0		0.050		mg/L	1			SM 4500 F C	Total/NA
pH	8.2	HF	0.01		SU	1			SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 380-129268-2

No Detections.

Client Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Client Sample ID: Baker

Lab Sample ID: 380-129268-1

Date Collected: 01/07/25 10:07

Matrix: Water

Date Received: 01/09/25 09:43

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
cis-1,3-Dichloropropene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
o-Xylene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,4-Dichlorobenzene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Styrene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Toluene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
trans-1,2-Dichloroethylene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
trans-1,3-Dichloropropene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Trichlorofluoromethane	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,1-Dichloroethylene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,2-Dichloropropane	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Chlorobenzene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
cis-1,2-Dichloroethylene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
m,p-Xylenes	ND	^3+ Q2	0.50		ug/L			01/14/25 17:43	1
1,2-Dichlorobenzene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,3-Dichloropropene, Total	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Trichloroethylene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Vinyl chloride	ND	Q2	0.30		ug/L			01/14/25 17:43	1
1,1,1-Trichloroethane	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,1,1,2-Tetrachloroethane	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,2,4-Trichlorobenzene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,2-Dichloroethane	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Tetrachloroethylene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Xylenes, Total	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,1,2-Trichloroethane	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,1-Dichloroethane	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Carbon tetrachloride	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Ethylbenzene	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Methyl-tert-butyl Ether (MTBE)	ND	Q2	0.50		ug/L			01/14/25 17:43	1
Dichloromethane	ND	Q2	0.50		ug/L			01/14/25 17:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	Q2	0.50		ug/L			01/15/25 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109	Q2	70 - 130		01/14/25 17:43	1
1,2-Dichloroethane-d4 (Surr)	106	Q2	70 - 130		01/15/25 19:17	1
4-Bromofluorobenzene (Surr)	94	Q2	70 - 130		01/14/25 17:43	1
4-Bromofluorobenzene (Surr)	91	Q2	70 - 130		01/15/25 19:17	1
Toluene-d8 (Surr)	80	Q2	70 - 130		01/14/25 17:43	1
Toluene-d8 (Surr)	75	Q2	70 - 130		01/15/25 19:17	1

Method: CADHS CA DWRL - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		2.0		ng/L			01/20/25 20:24	1

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alachlor	ND		0.048		ug/L		01/10/25 07:00	01/13/25 13:29	1
Atrazine	ND		0.048		ug/L		01/10/25 07:00	01/13/25 13:29	1
Benzo[a]pyrene	ND	F1 F2	0.019		ug/L		01/10/25 07:00	01/13/25 13:29	1
Di(2-ethylhexyl)adipate	ND	F2	0.58		ug/L		01/10/25 07:00	01/13/25 13:29	1

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Client Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Client Sample ID: Baker

Lab Sample ID: 380-129268-1

Date Collected: 01/07/25 10:07

Matrix: Water

Date Received: 01/09/25 09:43

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di (2-ethylhexyl)phthalate	ND		0.58		ug/L		01/10/25 07:00	01/13/25 13:29	1
Endrin	ND		0.0097		ug/L		01/10/25 07:00	01/13/25 13:29	1
Heptachlor	ND		0.0097		ug/L		01/10/25 07:00	01/13/25 13:29	1
Heptachlor epoxide	ND		0.0097		ug/L		01/10/25 07:00	01/13/25 13:29	1
Hexachlorobenzene	ND		0.048		ug/L		01/10/25 07:00	01/13/25 13:29	1
Hexachlorocyclopentadiene	ND		0.048		ug/L		01/10/25 07:00	01/13/25 13:29	1
gamma-BHC (Lindane)	ND	^3+	0.0097		ug/L		01/10/25 07:00	01/13/25 13:29	1
Methoxychlor	ND		0.048		ug/L		01/10/25 07:00	01/13/25 13:29	1
Molinate	ND		0.097		ug/L		01/10/25 07:00	01/13/25 13:29	1
Simazine	ND		0.048		ug/L		01/10/25 07:00	01/13/25 13:29	1
Thiobencarb	ND		0.097		ug/L		01/10/25 07:00	01/13/25 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	01/10/25 07:00	01/13/25 13:29	1
Triphenylphosphate	114		70 - 130	01/10/25 07:00	01/13/25 13:29	1
Perylene-d12	91		70 - 130	01/10/25 07:00	01/13/25 13:29	1

Method: EPA 548.1 - Endothall (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endothall	ND		5.0		ug/L		01/09/25 14:30	01/15/25 11:44	1

Method: EPA-DW2 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (EDB)	ND		0.010		ug/L		01/10/25 18:00	01/11/25 09:35	1
Dibromochloropropane (DBCP)	ND		0.010		ug/L		01/10/25 18:00	01/11/25 09:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	99		60 - 140	01/10/25 18:00	01/11/25 09:35	1

Method: EPA 505 - Organochlorine Pesticides/PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane	ND		0.10		ug/L		01/13/25 13:24	01/14/25 08:12	1
Toxaphene	ND		0.50		ug/L		01/13/25 13:24	01/14/25 08:12	1
PCB-1016	ND		0.071		ug/L		01/13/25 13:24	01/14/25 08:12	1
PCB-1221	ND		0.10		ug/L		01/13/25 13:24	01/14/25 08:12	1
PCB-1232	ND		0.10		ug/L		01/13/25 13:24	01/14/25 08:12	1
PCB-1242	ND		0.10		ug/L		01/13/25 13:24	01/14/25 08:12	1
PCB-1248	ND		0.10		ug/L		01/13/25 13:24	01/14/25 08:12	1
PCB-1254	ND		0.10		ug/L		01/13/25 13:24	01/14/25 08:12	1
PCB-1260	ND		0.071		ug/L		01/13/25 13:24	01/14/25 08:12	1
Polychlorinated biphenyls, Total	ND		0.10		ug/L		01/13/25 13:24	01/14/25 08:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		70 - 130	01/13/25 13:24	01/14/25 08:12	1

Method: EPA-DW 515.4 - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-TP (Silvex)	ND		0.10		ug/L		01/13/25 08:25	01/14/25 02:24	1
Dinoseb	ND		0.20		ug/L		01/13/25 08:25	01/14/25 02:24	1
2,4-D	ND		0.10		ug/L		01/13/25 08:25	01/14/25 02:24	1
Bentazon	ND		0.50		ug/L		01/13/25 08:25	01/14/25 02:24	1

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Client Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Client Sample ID: Baker

Lab Sample ID: 380-129268-1

Date Collected: 01/07/25 10:07

Matrix: Water

Date Received: 01/09/25 09:43

Method: EPA-DW 515.4 - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.040		ug/L		01/13/25 08:25	01/14/25 02:24	1
Dalapon	ND		1.0		ug/L		01/13/25 08:25	01/14/25 02:24	1
Picloram	ND		0.10		ug/L		01/13/25 08:25	01/14/25 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	99		70 - 130				01/13/25 08:25	01/14/25 02:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		2.5		mg/L			01/09/25 16:48	5
Nitrate as N	4.2	H	0.25		mg/L			01/09/25 16:48	5
Nitrite as N	ND	H	0.25		mg/L			01/09/25 16:48	5
Sulfate	190		1.3		mg/L			01/09/25 16:48	5

Method: EPA 531.2 - Carbamate Pesticides (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbofuran	ND		0.50		ug/L		01/10/25 14:27	01/11/25 15:27	1
Oxamyl	ND		0.50		ug/L		01/10/25 14:27	01/11/25 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
BDMC	117		70 - 130				01/10/25 14:27	01/11/25 15:27	1

Method: EPA 547 - Glyphosate (DAI HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Glyphosate	ND		6.0		ug/L		01/10/25 11:54	01/11/25 00:38	1

Method: EPA 549.2 - Diquat and Paraquat (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diquat	ND		0.40		ug/L		01/10/25 11:57	01/11/25 20:29	1

Method: EPA 331.0 - Perchlorate (LC/MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	1.1		0.50		ug/L			01/10/25 15:07	1

Method: EPA 1613B - Tetra Chlorinated Dioxin (GC/MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		5.0		pg/L		01/15/25 10:30	01/16/25 18:56	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	79		31 - 137				01/15/25 10:30	01/16/25 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	28		1.0		mg/L		01/15/25 10:12	01/15/25 18:48	1
Iron	0.21		0.010		mg/L		01/15/25 10:12	01/15/25 18:48	1
Magnesium	14		0.10		mg/L		01/15/25 10:12	01/15/25 18:48	1
Potassium	9.5		1.0		mg/L		01/15/25 10:12	01/15/25 18:48	1
Sodium	320		2.0		mg/L		01/15/25 10:12	01/16/25 13:42	2

Method: EPA 200.8 - Mercury (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.20		ug/L		01/13/25 09:30	01/13/25 16:47	1

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Client Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Client Sample ID: Baker

Lab Sample ID: 380-129268-1

Date Collected: 01/07/25 10:07

Matrix: Water

Date Received: 01/09/25 09:43

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	200		20		ug/L		01/13/25 09:30	01/13/25 16:47	1
Antimony	ND		1.0		ug/L		01/13/25 09:30	01/13/25 16:47	1
Arsenic	4.2		1.0		ug/L		01/13/25 09:30	01/13/25 16:47	1
Barium	29		2.0		ug/L		01/13/25 09:30	01/13/25 16:47	1
Beryllium	ND		0.30		ug/L		01/13/25 09:30	01/13/25 16:47	1
Cadmium	ND		0.50		ug/L		01/13/25 09:30	01/13/25 16:47	1
Chromium	11		0.90		ug/L		01/13/25 09:30	01/13/25 16:47	1
Copper	ND		1.0		ug/L		01/13/25 09:30	01/13/25 16:47	1
Lead	ND		0.50		ug/L		01/13/25 09:30	01/13/25 16:47	1
Manganese	15		2.0		ug/L		01/13/25 09:30	01/13/25 16:47	1
Selenium	2.9		2.0		ug/L		01/13/25 09:30	01/13/25 16:47	1
Silver	ND		0.50		ug/L		01/13/25 09:30	01/13/25 16:47	1
Thallium	ND		0.30		ug/L		01/13/25 09:30	01/13/25 16:47	1
Vanadium	24		2.0		ug/L		01/13/25 09:30	01/13/25 16:47	1
Zinc	21		20		ug/L		01/13/25 09:30	01/13/25 16:47	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total hardness as CaCO3	130		2.9		mg/L			01/16/25 22:55	1
Calcium hardness as CaCO3	70		2.5		mg/L			01/16/25 22:55	1
Magnesium hardness as CaCO3	58		0.41		mg/L			01/16/25 22:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.0050		mg/L		01/16/25 08:34	01/16/25 12:26	1
Cyanide (SM 4500 CN F)	ND		0.025		mg/L			01/13/25 09:42	1
Odor (SM 2150B)	ND	H H3	1.0		T.O.N.			01/09/25 11:32	1
Total Alkalinity as CaCO3 (SM 2320B)	240		2.0		mg/L			01/10/25 17:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	240		2.0		mg/L			01/10/25 17:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0		mg/L			01/10/25 17:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		2.0		mg/L			01/10/25 17:12	1
Phenolphthalein Alkalinity as CaCO3 (SM 2320B)	ND		2.0		mg/L			01/10/25 17:12	1
Specific Conductance (SM 2510B)	1700		2.0		umhos/cm			01/10/25 17:12	1
Total Dissolved Solids (SM 2540C)	1000		20		mg/L			01/09/25 16:39	1
Fluoride (SM 4500 F C)	1.0		0.050		mg/L			01/15/25 15:03	1
pH (SM 4500 H+ B)	8.2	HF	0.01		SU			01/10/25 17:12	1
Methylene Blue Active Substances (SM 5540C)	ND	H	0.10		mg/L			01/16/25 07:08	1

Client Sample ID: Trip Blank

Lab Sample ID: 380-129268-2

Date Collected: 01/07/25 10:07

Matrix: Water

Date Received: 01/09/25 09:43

Method: CADHS CA DWRL - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		2.0		ng/L			01/20/25 21:09	1

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Action Limit Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Client Sample ID: Baker

Lab Sample ID: 380-129268-1

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	EPAMCL	RL	Method	Prep Type
				Limit			
Benzene	ND	Q2	ug/L	5	0.50	524.2	Total/NA
1,4-Dichlorobenzene	ND	Q2	ug/L	75	0.50	524.2	Total/NA
Styrene	ND	Q2	ug/L	100	0.50	524.2	Total/NA
Toluene	ND	Q2	ug/L	1000	0.50	524.2	Total/NA
trans-1,2-Dichloroethylene	ND	Q2	ug/L	100	0.50	524.2	Total/NA
1,1-Dichloroethylene	ND	Q2	ug/L	7	0.50	524.2	Total/NA
1,2-Dichloropropane	ND	Q2	ug/L	5	0.50	524.2	Total/NA
Chlorobenzene	ND	Q2	ug/L	100	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	ND	Q2	ug/L	70	0.50	524.2	Total/NA
1,2-Dichlorobenzene	ND	Q2	ug/L	600	0.50	524.2	Total/NA
Trichloroethylene	ND	Q2	ug/L	5	0.50	524.2	Total/NA
Vinyl chloride	ND	Q2	ug/L	2	0.30	524.2	Total/NA
1,1,1-Trichloroethane	ND	Q2	ug/L	200	0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	ND	Q2	ug/L	70	0.50	524.2	Total/NA
1,2-Dichloroethane	ND	Q2	ug/L	5	0.50	524.2	Total/NA
Tetrachloroethylene	ND	Q2	ug/L	5	0.50	524.2	Total/NA
Xylenes, Total	ND	Q2	ug/L	10000	0.50	524.2	Total/NA
1,1,2-Trichloroethane	ND	Q2	ug/L	5	0.50	524.2	Total/NA
Carbon tetrachloride	ND	Q2	ug/L	5	0.50	524.2	Total/NA
Ethylbenzene	ND	Q2	ug/L	700	0.50	524.2	Total/NA
Dichloromethane	ND	Q2	ug/L	5	0.50	524.2	Total/NA
Alachlor	ND		ug/L	2	0.048	525.2	Total/NA
Atrazine	ND		ug/L	3	0.048	525.2	Total/NA
Benzo[a]pyrene	ND	F1 F2	ug/L	0.2	0.019	525.2	Total/NA
Di(2-ethylhexyl)adipate	ND	F2	ug/L	400	0.58	525.2	Total/NA
Di (2-ethylhexyl)phthalate	ND		ug/L	6	0.58	525.2	Total/NA
Endrin	ND		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	ND		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide	ND		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	ND		ug/L	1	0.048	525.2	Total/NA
Hexachlorocyclopentadiene	ND		ug/L	50	0.048	525.2	Total/NA
gamma-BHC (Lindane)	ND	^3+	ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	ND		ug/L	40	0.048	525.2	Total/NA
Simazine	ND		ug/L	4	0.048	525.2	Total/NA
Endothall	ND		ug/L	100	5.0	548.1	Total/NA
Ethylene Dibromide (EDB)	ND		ug/L	0.05	0.010	504.1	Total/NA
Dibromochloropropane (DBCP)	ND		ug/L	0.2	0.010	504.1	Total/NA
Chlordane	ND		ug/L	2	0.10	505	Total/NA
Toxaphene	ND		ug/L	3	0.50	505	Total/NA
Polychlorinated biphenyls, Total	ND		ug/L	0.5	0.10	505	Total/NA
2,4,5-TP (Silvex)	ND		ug/L	50	0.10	515.4	Total/NA
Dinoseb	ND		ug/L	7	0.20	515.4	Total/NA
2,4-D	ND		ug/L	70	0.10	515.4	Total/NA
Pentachlorophenol	ND		ug/L	1	0.040	515.4	Total/NA
Dalapon	ND		ug/L	200	1.0	515.4	Total/NA
Picloram	ND		ug/L	500	0.10	515.4	Total/NA
Nitrate as N	4.2	H	mg/L	10	0.25	300.0	Total/NA
Nitrite as N	ND	H	mg/L	1	0.25	300.0	Total/NA

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Action Limit Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Client Sample ID: Baker (Continued) Lab Sample ID: 380-129268-1

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	EPAMCL	RL	Method	Prep Type
				Limit			
Carbofuran	ND		ug/L	40	0.50	531.2	Total/NA
Oxamyl	ND		ug/L	200	0.50	531.2	Total/NA
Glyphosate	ND		ug/L	700	6.0	547	Total/NA
Diquat	ND		ug/L	20	0.40	549.2	Total/NA
2,3,7,8-TCDD	ND		pg/L	30	5.0	1613B	Total/NA
Cyanide, Total	ND		mg/L	0.2	0.0050	335.4	Total/NA
Cyanide	ND		mg/L	0.2	0.025	4500 CN F	Total/NA
Fluoride	1.0		mg/L	4	0.050	SM 4500 F C	Total/NA

Surrogate Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DCA (70-130)	BFB (70-130)	TOL (70-130)
380-129268-1	Baker	109 Q2	94 Q2	80 Q2
380-129268-1	Baker	106 Q2	91 Q2	75 Q2
LCS 380-127793/10	Lab Control Sample	101	102	112
LCS 380-128096/10	Lab Control Sample	95	99	117
LCSD 380-127793/11	Lab Control Sample Dup	101	102	117
LCSD 380-128096/11	Lab Control Sample Dup	97	102	113
MB 380-127793/13	Method Blank	106	97	82
MB 380-128096/13	Method Blank	107	97	73
MRL 380-127793/12	Lab Control Sample	101	95	93
MRL 380-127793/9	Lab Control Sample	106	94	83
MRL 380-128096/12	Lab Control Sample	104	97	88
MRL 380-128096/9	Lab Control Sample	103	99	82
Surrogate Legend				
DCA = 1,2-Dichloroethane-d4 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				
TOL = Toluene-d8 (Surr)				

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	TPP (70-130)	PRY (70-130)
380-129268-1	Baker	97	114	91
380-129268-1 MS	Baker	106	101	94
380-129268-1 MSD	Baker	98	96	87
LCS 380-127221/23-A	Lab Control Sample	105	100	90
LCSD 380-127221/24-A	Lab Control Sample Dup	99	102	91
MB 380-127221/21-A	Method Blank	99	100	89
MRL 380-127221/22-A	Lab Control Sample	105	96	88
Surrogate Legend				
2NMX = 2-Nitro-m-xylene				
TPP = Triphenylphosphate				
PRY = Perylene-d12				

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBPP1 (60-140)		
380-129268-1	Baker	99		
LCS 380-127255/29-A	Lab Control Sample	103		
MBL 380-127255/4-A	Method Blank	96		
MRL 380-127255/2-A	Lab Control Sample	94		
MRL 380-127255/3-A	Lab Control Sample	94		
Surrogate Legend				
DBPP = 1,2-Dibromopropane (Surr)				

Surrogate Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TCX1 (70-130)
380-129268-1	Baker	91
LCS 380-127543/16-A	Lab Control Sample	105
LCS 380-127543/24-A	Lab Control Sample	107
LCS 380-127543/57-A	Lab Control Sample	107
LCS 380-127543/59-A	Lab Control Sample	103
LCS 380-127543/60-A	Lab Control Sample	98
LCS 380-127543/8-A	Lab Control Sample	101
LCSD 380-127543/58-A	Lab Control Sample Dup	96
MB 380-127543/32-A	Method Blank	96
MRL 380-127543/30-A	Lab Control Sample	106
MRL 380-127543/31-A	Lab Control Sample	94
Surrogate Legend		
TCX = Tetrachloro-m-xylene		

Method: 515.4 - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DCPAA1 (70-130)
380-129268-1	Baker	99
LCS 380-127276/35-A	Lab Control Sample	101
LCS 380-127276/36-A	Lab Control Sample	101
LCSD 380-127276/37-A	Lab Control Sample Dup	99
MBL 380-127276/11-A	Method Blank	97
MRL 380-127276/10-A	Lab Control Sample	101
MRL 380-127276/9-A	Lab Control Sample	100
Surrogate Legend		
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)		

Method: 531.2 - Carbamate Pesticides (HPLC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BDMC (70-130)
380-129268-1	Baker	117
LCS 380-127295/28-A	Lab Control Sample	102
MBL 380-127295/3-A	Method Blank	113
MRL 380-127295/2-A	Lab Control Sample	99
Surrogate Legend		
BDMC = BDMC		

Isotope Dilution Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 1613B - Tetra Chlorinated Dioxin (GC/MS/MS)
Matrix: Water

Prep Type: Total/NA

			Percent Isotope Dilution Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TCDD (31-137)						
380-129268-1	Baker	79						
MBL 380-128005/21-A	Method Blank	108						
Surrogate Legend								
TCDD = 13C-2,3,7,8-TCDD								

Method: 1613B - Tetra Chlorinated Dioxin (GC/MS/MS)
Matrix: Water

Prep Type: Total/NA

			Percent Isotope Dilution Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TCDD (25-141)						
LCS 380-128005/19-A	Lab Control Sample	84						
LCSD 380-128005/20-A	Lab Control Sample Dup	90						
MRL 380-128005/22-A	Lab Control Sample	86						
Surrogate Legend								
TCDD = 13C-2,3,7,8-TCDD								

QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 380-127793/13

Matrix: Water

Analysis Batch: 127793

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			01/14/25 17:22	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/14/25 17:22	1
o-Xylene	ND		0.50		ug/L			01/14/25 17:22	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/14/25 17:22	1
Styrene	ND		0.50		ug/L			01/14/25 17:22	1
Toluene	ND		0.50		ug/L			01/14/25 17:22	1
trans-1,2-Dichloroethylene	ND		0.50		ug/L			01/14/25 17:22	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/14/25 17:22	1
Trichlorofluoromethane	ND		0.50		ug/L			01/14/25 17:22	1
1,1-Dichloroethylene	ND		0.50		ug/L			01/14/25 17:22	1
1,2-Dichloropropane	ND		0.50		ug/L			01/14/25 17:22	1
Chlorobenzene	ND		0.50		ug/L			01/14/25 17:22	1
cis-1,2-Dichloroethylene	ND		0.50		ug/L			01/14/25 17:22	1
m,p-Xylenes	ND		0.50		ug/L			01/14/25 17:22	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/14/25 17:22	1
1,3-Dichloropropene, Total	ND		0.50		ug/L			01/14/25 17:22	1
Trichloroethylene	ND		0.50		ug/L			01/14/25 17:22	1
Vinyl chloride	ND		0.30		ug/L			01/14/25 17:22	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/14/25 17:22	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/14/25 17:22	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			01/14/25 17:22	1
1,2-Dichloroethane	ND		0.50		ug/L			01/14/25 17:22	1
Tetrachloroethylene	ND		0.50		ug/L			01/14/25 17:22	1
Xylenes, Total	ND		0.50		ug/L			01/14/25 17:22	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/14/25 17:22	1
1,1-Dichloroethane	ND		0.50		ug/L			01/14/25 17:22	1
Carbon tetrachloride	ND		0.50		ug/L			01/14/25 17:22	1
Ethylbenzene	ND		0.50		ug/L			01/14/25 17:22	1
Methyl-tert-butyl Ether (MTBE)	ND		0.50		ug/L			01/14/25 17:22	1
Dichloromethane	ND		0.50		ug/L			01/14/25 17:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		01/14/25 17:22	1
4-Bromofluorobenzene (Surr)	97		70 - 130		01/14/25 17:22	1
Toluene-d8 (Surr)	82		70 - 130		01/14/25 17:22	1

Lab Sample ID: LCS 380-127793/10

Matrix: Water

Analysis Batch: 127793

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	5.00	5.17		ug/L		103	70 - 130
cis-1,3-Dichloropropene	5.00	4.66		ug/L		93	70 - 130
o-Xylene	5.00	4.62		ug/L		92	70 - 130
1,4-Dichlorobenzene	5.00	5.02		ug/L		100	70 - 130
Styrene	5.00	5.10		ug/L		102	70 - 130
Toluene	5.00	5.18		ug/L		104	70 - 130
trans-1,2-Dichloroethylene	5.00	4.54		ug/L		91	70 - 130

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 380-127793/10

Matrix: Water

Analysis Batch: 127793

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	5.00	4.94		ug/L		99	70 - 130
Trichlorofluoromethane	5.00	5.21		ug/L		104	70 - 130
1,1-Dichloroethylene	5.00	5.25		ug/L		105	70 - 130
1,2-Dichloropropane	5.00	4.80		ug/L		96	70 - 130
Chlorobenzene	5.00	4.99		ug/L		100	70 - 130
m,p-Xylenes	10.0	9.24		ug/L		92	70 - 130
1,2-Dichlorobenzene	5.00	4.57		ug/L		91	70 - 130
1,3-Dichloropropene, Total	10.0	9.60		ug/L		96	70 - 130
Trichloroethylene	5.00	5.08		ug/L		102	70 - 130
Vinyl chloride	5.00	5.28		ug/L		106	70 - 130
1,1,1-Trichloroethane	5.00	5.04		ug/L		101	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.20		ug/L		84	70 - 130
1,2,4-Trichlorobenzene	5.00	4.45		ug/L		89	70 - 130
1,2-Dichloroethane	5.00	4.81		ug/L		96	70 - 130
Tetrachloroethylene	5.00	4.95		ug/L		99	70 - 130
Xylenes, Total	15.0	13.9		ug/L		92	70 - 130
1,1,2-Trichloroethane	5.00	4.86		ug/L		97	70 - 130
1,1-Dichloroethane	5.00	4.97		ug/L		99	70 - 130
Carbon tetrachloride	5.00	5.13		ug/L		103	70 - 130
Ethylbenzene	5.00	4.55		ug/L		91	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	5.03		ug/L		101	70 - 130
Dichloromethane	5.00	4.39		ug/L		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	112		70 - 130

Lab Sample ID: LCSD 380-127793/11

Matrix: Water

Analysis Batch: 127793

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	5.00	5.14		ug/L		103	70 - 130	1	20
cis-1,3-Dichloropropene	5.00	4.84		ug/L		97	70 - 130	4	20
o-Xylene	5.00	4.67		ug/L		93	70 - 130	1	20
1,4-Dichlorobenzene	5.00	5.15		ug/L		103	70 - 130	3	20
Styrene	5.00	5.31		ug/L		106	70 - 130	4	20
Toluene	5.00	5.25		ug/L		105	70 - 130	1	20
trans-1,2-Dichloroethylene	5.00	4.93		ug/L		99	70 - 130	8	20
trans-1,3-Dichloropropene	5.00	5.17		ug/L		103	70 - 130	4	20
Trichlorofluoromethane	5.00	5.42		ug/L		108	70 - 130	4	20
1,1-Dichloroethylene	5.00	5.52		ug/L		110	70 - 130	5	20
1,2-Dichloropropane	5.00	4.86		ug/L		97	70 - 130	1	20
Chlorobenzene	5.00	5.22		ug/L		104	70 - 130	5	20
m,p-Xylenes	10.0	9.73		ug/L		97	70 - 130	5	20
1,2-Dichlorobenzene	5.00	4.70		ug/L		94	70 - 130	3	20
1,3-Dichloropropene, Total	10.0	10.0		ug/L		100	70 - 130	4	20

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 380-127793/11

Matrix: Water

Analysis Batch: 127793

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichloroethylene	5.00	4.94		ug/L		99	70 - 130	3	20
Vinyl chloride	5.00	5.22		ug/L		104	70 - 130	1	20
1,1,1-Trichloroethane	5.00	5.08		ug/L		102	70 - 130	1	20
1,1,2,2-Tetrachloroethane	5.00	4.30		ug/L		86	70 - 130	2	20
1,2,4-Trichlorobenzene	5.00	4.39		ug/L		88	70 - 130	1	20
1,2-Dichloroethane	5.00	4.67		ug/L		93	70 - 130	3	20
Tetrachloroethylene	5.00	5.29		ug/L		106	70 - 130	7	20
Xylenes, Total	15.0	14.4		ug/L		96	70 - 130	4	20
1,1,2-Trichloroethane	5.00	5.26		ug/L		105	70 - 130	8	20
1,1-Dichloroethane	5.00	5.06		ug/L		101	70 - 130	2	20
Carbon tetrachloride	5.00	5.12		ug/L		102	70 - 130	0	20
Ethylbenzene	5.00	4.77		ug/L		95	70 - 130	5	20
Methyl-tert-butyl Ether (MTBE)	5.00	5.18		ug/L		104	70 - 130	3	20
Dichloromethane	5.00	4.46		ug/L		89	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	117		70 - 130

Lab Sample ID: MRL 380-127793/12

Matrix: Water

Analysis Batch: 127793

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.500	0.545		ug/L		109	50 - 150
cis-1,3-Dichloropropene	0.500	0.554		ug/L		111	50 - 150
o-Xylene	0.500	0.639		ug/L		128	50 - 150
1,4-Dichlorobenzene	0.500	0.494	J	ug/L		99	50 - 150
Styrene	0.500	0.674		ug/L		135	50 - 150
Toluene	0.500	0.507		ug/L		101	50 - 150
trans-1,2-Dichloroethylene	0.500	0.541		ug/L		108	50 - 150
trans-1,3-Dichloropropene	0.500	0.540		ug/L		108	50 - 150
Trichlorofluoromethane	0.500	0.309	J	ug/L		62	50 - 150
1,1-Dichloroethylene	0.500	0.375	J	ug/L		75	50 - 150
1,2-Dichloropropane	0.500	0.535		ug/L		107	50 - 150
Chlorobenzene	0.500	0.530		ug/L		106	50 - 150
m,p-Xylenes	1.00	1.26		ug/L		126	50 - 150
1,2-Dichlorobenzene	0.500	0.573		ug/L		115	50 - 150
1,3-Dichloropropene, Total	1.00	1.09		ug/L		109	50 - 150
Trichloroethylene	0.500	0.517		ug/L		103	50 - 150
Vinyl chloride	0.500	0.381		ug/L		76	50 - 150
1,1,1-Trichloroethane	0.500	0.443	J	ug/L		89	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.602		ug/L		120	50 - 150
1,2,4-Trichlorobenzene	0.500	0.621		ug/L		124	50 - 150
1,2-Dichloroethane	0.500	0.556		ug/L		111	50 - 150
Tetrachloroethylene	0.500	0.442	J	ug/L		88	50 - 150
Xylenes, Total	1.50	1.90		ug/L		127	50 - 150

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MRL 380-127793/12

Matrix: Water

Analysis Batch: 127793

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	0.500	0.549		ug/L		110	50 - 150
1,1-Dichloroethane	0.500	0.506		ug/L		101	50 - 150
Carbon tetrachloride	0.500	0.365	J	ug/L		73	50 - 150
Ethylbenzene	0.500	0.639		ug/L		128	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.575		ug/L		115	50 - 150
Dichloromethane	0.500	0.576		ug/L		115	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Lab Sample ID: MRL 380-127793/9

Matrix: Water

Analysis Batch: 127793

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
m,p-Xylenes	0.500	1.00	^3+	ug/L		201	50 - 150
Vinyl chloride	0.250	0.295	J	ug/L		118	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130
Toluene-d8 (Surr)	83		70 - 130

Lab Sample ID: MB 380-128096/13

Matrix: Water

Analysis Batch: 128096

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			01/15/25 18:56	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/15/25 18:56	1
o-Xylene	ND		0.50		ug/L			01/15/25 18:56	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/15/25 18:56	1
Styrene	ND		0.50		ug/L			01/15/25 18:56	1
Toluene	ND		0.50		ug/L			01/15/25 18:56	1
trans-1,2-Dichloroethylene	ND		0.50		ug/L			01/15/25 18:56	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/15/25 18:56	1
Trichlorofluoromethane	ND		0.50		ug/L			01/15/25 18:56	1
1,1-Dichloroethylene	ND		0.50		ug/L			01/15/25 18:56	1
1,2-Dichloropropane	ND		0.50		ug/L			01/15/25 18:56	1
Chlorobenzene	ND		0.50		ug/L			01/15/25 18:56	1
cis-1,2-Dichloroethylene	ND		0.50		ug/L			01/15/25 18:56	1
m,p-Xylenes	ND		0.50		ug/L			01/15/25 18:56	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/15/25 18:56	1
1,3-Dichloropropene, Total	ND		0.50		ug/L			01/15/25 18:56	1
Trichloroethylene	ND		0.50		ug/L			01/15/25 18:56	1
Vinyl chloride	ND		0.30		ug/L			01/15/25 18:56	1

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 380-128096/13

Matrix: Water

Analysis Batch: 128096

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50		ug/L			01/15/25 18:56	1
1,1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/15/25 18:56	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			01/15/25 18:56	1
1,2-Dichloroethane	ND		0.50		ug/L			01/15/25 18:56	1
Tetrachloroethylene	ND		0.50		ug/L			01/15/25 18:56	1
Xylenes, Total	ND		0.50		ug/L			01/15/25 18:56	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/15/25 18:56	1
1,1-Dichloroethane	ND		0.50		ug/L			01/15/25 18:56	1
Carbon tetrachloride	ND		0.50		ug/L			01/15/25 18:56	1
Ethylbenzene	ND		0.50		ug/L			01/15/25 18:56	1
Methyl-tert-butyl Ether (MTBE)	ND		0.50		ug/L			01/15/25 18:56	1
Dichloromethane	ND		0.50		ug/L			01/15/25 18:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/15/25 18:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		01/15/25 18:56	1
4-Bromofluorobenzene (Surr)	97		70 - 130		01/15/25 18:56	1
Toluene-d8 (Surr)	73		70 - 130		01/15/25 18:56	1

Lab Sample ID: LCS 380-128096/10

Matrix: Water

Analysis Batch: 128096

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	5.00	4.49		ug/L		90	70 - 130
cis-1,3-Dichloropropene	5.00	4.75		ug/L		95	70 - 130
o-Xylene	5.00	4.87		ug/L		97	70 - 130
1,4-Dichlorobenzene	5.00	4.55		ug/L		91	70 - 130
Styrene	5.00	4.97		ug/L		99	70 - 130
Toluene	5.00	5.04		ug/L		101	70 - 130
trans-1,2-Dichloroethylene	5.00	4.53		ug/L		91	70 - 130
trans-1,3-Dichloropropene	5.00	4.83		ug/L		97	70 - 130
Trichlorofluoromethane	5.00	5.47		ug/L		109	70 - 130
1,1-Dichloroethylene	5.00	5.15		ug/L		103	70 - 130
1,2-Dichloropropane	5.00	4.65		ug/L		93	70 - 130
Chlorobenzene	5.00	4.73		ug/L		95	70 - 130
m,p-Xylenes	10.0	9.59		ug/L		96	70 - 130
1,2-Dichlorobenzene	5.00	4.10		ug/L		82	70 - 130
1,3-Dichloropropene, Total	10.0	9.58		ug/L		96	70 - 130
Trichloroethylene	5.00	4.36		ug/L		87	70 - 130
Vinyl chloride	5.00	4.71		ug/L		94	70 - 130
1,1,1-Trichloroethane	5.00	4.89		ug/L		98	70 - 130
1,1,1,2,2-Tetrachloroethane	5.00	4.39		ug/L		88	70 - 130
1,2,4-Trichlorobenzene	5.00	3.91		ug/L		78	70 - 130
1,2-Dichloroethane	5.00	4.39		ug/L		88	70 - 130
Tetrachloroethylene	5.00	4.72		ug/L		94	70 - 130
Xylenes, Total	15.0	14.5		ug/L		96	70 - 130
1,1,2-Trichloroethane	5.00	4.49		ug/L		90	70 - 130

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 380-128096/10

Matrix: Water

Analysis Batch: 128096

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	5.00	4.95		ug/L		99	70 - 130
Carbon tetrachloride	5.00	4.85		ug/L		97	70 - 130
Ethylbenzene	5.00	4.83		ug/L		97	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	4.81		ug/L		96	70 - 130
Dichloromethane	5.00	4.66		ug/L		93	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.89		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	117		70 - 130

Lab Sample ID: LCSD 380-128096/11

Matrix: Water

Analysis Batch: 128096

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	5.00	4.50		ug/L		90	70 - 130	0	20
cis-1,3-Dichloropropene	5.00	4.77		ug/L		95	70 - 130	0	20
o-Xylene	5.00	4.86		ug/L		97	70 - 130	0	20
1,4-Dichlorobenzene	5.00	4.50		ug/L		90	70 - 130	1	20
Styrene	5.00	4.93		ug/L		99	70 - 130	1	20
Toluene	5.00	4.87		ug/L		97	70 - 130	3	20
trans-1,2-Dichloroethylene	5.00	4.40		ug/L		88	70 - 130	3	20
trans-1,3-Dichloropropene	5.00	4.63		ug/L		93	70 - 130	4	20
Trichlorofluoromethane	5.00	5.42		ug/L		108	70 - 130	1	20
1,1-Dichloroethylene	5.00	5.02		ug/L		100	70 - 130	2	20
1,2-Dichloropropane	5.00	4.64		ug/L		93	70 - 130	0	20
Chlorobenzene	5.00	4.71		ug/L		94	70 - 130	0	20
m,p-Xylenes	10.0	9.34		ug/L		93	70 - 130	3	20
1,2-Dichlorobenzene	5.00	4.14		ug/L		83	70 - 130	1	20
1,3-Dichloropropene, Total	10.0	9.40		ug/L		94	70 - 130	2	20
Trichloroethylene	5.00	4.38		ug/L		88	70 - 130	0	20
Vinyl chloride	5.00	4.74		ug/L		95	70 - 130	1	20
1,1,1-Trichloroethane	5.00	4.88		ug/L		98	70 - 130	0	20
1,1,2,2-Tetrachloroethane	5.00	4.52		ug/L		90	70 - 130	3	20
1,2,4-Trichlorobenzene	5.00	3.93		ug/L		79	70 - 130	0	20
1,2-Dichloroethane	5.00	4.25		ug/L		85	70 - 130	3	20
Tetrachloroethylene	5.00	4.72		ug/L		94	70 - 130	0	20
Xylenes, Total	15.0	14.2		ug/L		95	70 - 130	2	20
1,1,2-Trichloroethane	5.00	4.29		ug/L		86	70 - 130	4	20
1,1-Dichloroethane	5.00	4.93		ug/L		99	70 - 130	0	20
Carbon tetrachloride	5.00	4.73		ug/L		95	70 - 130	2	20
Ethylbenzene	5.00	4.75		ug/L		95	70 - 130	2	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.75		ug/L		95	70 - 130	1	20
Dichloromethane	5.00	4.41		ug/L		88	70 - 130	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.67		ug/L		93	70 - 130	4	20

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	113		70 - 130

Lab Sample ID: MRL 380-128096/12

Matrix: Water

Analysis Batch: 128096

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.500	0.496	J	ug/L		99	50 - 150
cis-1,3-Dichloropropene	0.500	0.468	J	ug/L		94	50 - 150
o-Xylene	0.500	0.390	J	ug/L		78	50 - 150
1,4-Dichlorobenzene	0.500	0.547		ug/L		109	50 - 150
Styrene	0.500	0.579		ug/L		116	50 - 150
Toluene	0.500	0.493	J	ug/L		99	50 - 150
trans-1,2-Dichloroethylene	0.500	0.524		ug/L		105	50 - 150
trans-1,3-Dichloropropene	0.500	0.487	J	ug/L		97	50 - 150
Trichlorofluoromethane	0.500	0.523		ug/L		105	50 - 150
1,1-Dichloroethylene	0.500	0.570		ug/L		114	50 - 150
1,2-Dichloropropane	0.500	0.590		ug/L		118	50 - 150
Chlorobenzene	0.500	0.503		ug/L		101	50 - 150
m,p-Xylenes	1.00	0.839		ug/L		84	50 - 150
1,2-Dichlorobenzene	0.500	0.594		ug/L		119	50 - 150
1,3-Dichloropropene, Total	1.00	0.955		ug/L		96	50 - 150
Trichloroethylene	0.500	0.504		ug/L		101	50 - 150
Vinyl chloride	0.500	0.560		ug/L		112	50 - 150
1,1,1-Trichloroethane	0.500	0.562		ug/L		112	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.378	J	ug/L		76	50 - 150
1,2,4-Trichlorobenzene	0.500	0.612		ug/L		122	50 - 150
1,2-Dichloroethane	0.500	0.498	J	ug/L		100	50 - 150
Tetrachloroethylene	0.500	0.548		ug/L		110	50 - 150
Xylenes, Total	1.50	1.23		ug/L		82	50 - 150
1,1,2-Trichloroethane	0.500	0.490	J	ug/L		98	50 - 150
1,1-Dichloroethane	0.500	0.539		ug/L		108	50 - 150
Carbon tetrachloride	0.500	0.532		ug/L		106	50 - 150
Ethylbenzene	0.500	0.432	J	ug/L		86	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.578		ug/L		116	50 - 150
Dichloromethane	0.500	0.547		ug/L		109	50 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	0.500	0.527		ug/L		105	50 - 150

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Toluene-d8 (Surr)	88		70 - 130

QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MRL 380-128096/9

Matrix: Water

Analysis Batch: 128096

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	MRL	MRL				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
m,p-Xylenes			0.500	0.533		ug/L		107	50 - 150		
Vinyl chloride			0.250	0.260	J	ug/L		104	50 - 150		
	MRL	MRL									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	103		70 - 130								
4-Bromofluorobenzene (Surr)	99		70 - 130								
Toluene-d8 (Surr)	82		70 - 130								

Method: CA DWRL - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 380-129057/12

Matrix: Water

Analysis Batch: 129057

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		2.0		ng/L			01/20/25 20:02	1

Lab Sample ID: LCS 380-129057/1010

Matrix: Water

Analysis Batch: 129057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	10.0	10.2		ng/L		102	80 - 120

Lab Sample ID: MRL 380-129057/11

Matrix: Water

Analysis Batch: 129057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	2.00	2.01		ng/L		100	50 - 150

Lab Sample ID: 380-129268-1 DU

Matrix: Water

Analysis Batch: 129057

Client Sample ID: Baker

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
1,2,3-Trichloropropane	ND		ND		ng/L		NC	10

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 380-127221/21-A

Matrix: Water

Analysis Batch: 127547

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127221

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alachlor	ND		0.050		ug/L		01/10/25 07:00	01/13/25 12:49	1
Atrazine	ND		0.050		ug/L		01/10/25 07:00	01/13/25 12:49	1
Benzo[a]pyrene	ND		0.020		ug/L		01/10/25 07:00	01/13/25 12:49	1
Di(2-ethylhexyl)adipate	ND		0.60		ug/L		01/10/25 07:00	01/13/25 12:49	1
Di (2-ethylhexyl)phthalate	ND		0.60		ug/L		01/10/25 07:00	01/13/25 12:49	1

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 380-127221/21-A

Matrix: Water

Analysis Batch: 127547

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127221

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		0.0099		ug/L		01/10/25 07:00	01/13/25 12:49	1
Heptachlor	ND		0.0099		ug/L		01/10/25 07:00	01/13/25 12:49	1
Heptachlor epoxide	ND		0.0099		ug/L		01/10/25 07:00	01/13/25 12:49	1
Hexachlorobenzene	ND		0.050		ug/L		01/10/25 07:00	01/13/25 12:49	1
Hexachlorocyclopentadiene	ND		0.050		ug/L		01/10/25 07:00	01/13/25 12:49	1
gamma-BHC (Lindane)	ND	^3+	0.0099		ug/L		01/10/25 07:00	01/13/25 12:49	1
Methoxychlor	ND		0.050		ug/L		01/10/25 07:00	01/13/25 12:49	1
Molinate	ND		0.099		ug/L		01/10/25 07:00	01/13/25 12:49	1
Simazine	ND		0.050		ug/L		01/10/25 07:00	01/13/25 12:49	1
Thiobencarb	ND		0.099		ug/L		01/10/25 07:00	01/13/25 12:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	01/10/25 07:00	01/13/25 12:49	1
Triphenylphosphate	100		70 - 130	01/10/25 07:00	01/13/25 12:49	1
Perylene-d12	89		70 - 130	01/10/25 07:00	01/13/25 12:49	1

Lab Sample ID: LCS 380-127221/23-A

Matrix: Water

Analysis Batch: 127547

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alachlor	1.98	2.02		ug/L		102	70 - 130
Atrazine	1.98	2.14		ug/L		108	70 - 130
Benzo[a]pyrene	1.98	1.67		ug/L		84	70 - 130
Di(2-ethylhexyl)adipate	1.98	1.95		ug/L		98	70 - 130
Di (2-ethylhexyl)phthalate	1.98	2.08		ug/L		105	70 - 130
Endrin	1.98	1.76		ug/L		89	70 - 130
Heptachlor	1.98	1.82		ug/L		92	70 - 130
Heptachlor epoxide	1.98	1.89		ug/L		95	70 - 130
Hexachlorobenzene	1.98	1.77		ug/L		89	70 - 130
Hexachlorocyclopentadiene	1.98	1.90		ug/L		96	70 - 130
gamma-BHC (Lindane)	1.98	1.76		ug/L		89	70 - 130
Methoxychlor	1.98	1.79		ug/L		90	70 - 130
Molinate	1.98	2.05		ug/L		103	70 - 130
Simazine	1.98	2.13		ug/L		108	70 - 130
Thiobencarb	1.98	2.12		ug/L		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	105		70 - 130
Triphenylphosphate	100		70 - 130
Perylene-d12	90		70 - 130

Lab Sample ID: LCSD 380-127221/24-A

Matrix: Water

Analysis Batch: 127547

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127221

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alachlor	1.98	2.12		ug/L		107	70 - 130	5	20

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 380-127221/24-A

Matrix: Water

Analysis Batch: 127547

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127221

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Atrazine	1.98	2.14		ug/L		108	70 - 130	0	20
Benzo[a]pyrene	1.98	1.74		ug/L		88	70 - 130	4	20
Di(2-ethylhexyl)adipate	1.98	2.04		ug/L		103	70 - 130	5	20
Di (2-ethylhexyl)phthalate	1.98	2.27		ug/L		115	70 - 130	9	20
Endrin	1.98	1.82		ug/L		92	70 - 130	3	20
Heptachlor	1.98	1.99		ug/L		100	70 - 130	9	20
Heptachlor epoxide	1.98	1.95		ug/L		99	70 - 130	3	20
Hexachlorobenzene	1.98	1.72		ug/L		87	70 - 130	3	20
Hexachlorocyclopentadiene	1.98	1.86		ug/L		94	70 - 130	2	20
gamma-BHC (Lindane)	1.98	1.84		ug/L		93	70 - 130	4	20
Methoxychlor	1.98	1.81		ug/L		92	70 - 130	1	20
Molinate	1.98	2.08		ug/L		105	70 - 130	2	20
Simazine	1.98	2.08		ug/L		105	70 - 130	2	20
Thiobencarb	1.98	2.19		ug/L		110	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Nitro-m-xylene	99		70 - 130
Triphenylphosphate	102		70 - 130
Perylene-d12	91		70 - 130

Lab Sample ID: MRL 380-127221/22-A

Matrix: Water

Analysis Batch: 127547

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127221

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alachlor	0.0497	0.0551		ug/L		111	50 - 150
Atrazine	0.0497	0.0577		ug/L		116	50 - 150
Benzo[a]pyrene	0.0199	0.0228		ug/L		115	50 - 150
Di(2-ethylhexyl)adipate	0.597	0.616		ug/L		103	50 - 150
Di (2-ethylhexyl)phthalate	0.597	0.602		ug/L		101	50 - 150
Endrin	0.00995	0.0142		ug/L		143	50 - 150
Heptachlor	0.00995	0.0131		ug/L		131	50 - 150
Heptachlor epoxide	0.00995	0.0121		ug/L		121	50 - 150
Hexachlorobenzene	0.0497	0.0474	J	ug/L		95	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0475	J	ug/L		96	50 - 150
gamma-BHC (Lindane)	0.00995	0.0173	^3+	ug/L		174	50 - 150
Methoxychlor	0.0497	0.0548		ug/L		110	50 - 150
Molinate	0.0995	0.105		ug/L		106	50 - 150
Simazine	0.0497	0.0536		ug/L		108	50 - 150
Thiobencarb	0.0995	0.102		ug/L		102	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	105		70 - 130
Triphenylphosphate	96		70 - 130
Perylene-d12	88		70 - 130

QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-129268-1 MS

Matrix: Water

Analysis Batch: 127547

Client Sample ID: Baker

Prep Type: Total/NA

Prep Batch: 127221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Alachlor	ND		1.95	2.09		ug/L		107	70 - 130
Atrazine	ND		1.95	2.18		ug/L		112	70 - 130
Benzo[a]pyrene	ND	F1 F2	1.95	1.74		ug/L		89	70 - 130
Di(2-ethylhexyl)adipate	ND	F2	1.95	2.07		ug/L		106	70 - 130
Di (2-ethylhexyl)phthalate	ND		1.95	2.07		ug/L		106	70 - 130
Endrin	ND		1.95	1.83		ug/L		94	70 - 130
Heptachlor	ND		1.95	2.01		ug/L		103	70 - 130
Heptachlor epoxide	ND		1.95	1.97		ug/L		101	70 - 130
Hexachlorobenzene	ND		1.95	1.84		ug/L		94	70 - 130
Hexachlorocyclopentadiene	ND		1.95	2.06		ug/L		106	70 - 130
gamma-BHC (Lindane)	ND	^3+	1.95	1.82		ug/L		93	70 - 130
Methoxychlor	ND		1.95	1.88		ug/L		96	70 - 130
Molinate	ND		1.95	2.10		ug/L		108	70 - 130
Simazine	ND		1.95	2.17		ug/L		111	70 - 130
Thiobencarb	ND		1.95	2.18		ug/L		112	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	106		70 - 130
Triphenylphosphate	101		70 - 130
Perylene-d12	94		70 - 130

Lab Sample ID: 380-129268-1 MSD

Matrix: Water

Analysis Batch: 127547

Client Sample ID: Baker

Prep Type: Total/NA

Prep Batch: 127221

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Alachlor	ND		1.96	1.95		ug/L		99	70 - 130	7	20
Atrazine	ND		1.96	2.18		ug/L		111	70 - 130	0	20
Benzo[a]pyrene	ND	F1 F2	1.96	1.33	F1 F2	ug/L		68	70 - 130	27	20
Di(2-ethylhexyl)adipate	ND	F2	1.96	1.62	F2	ug/L		83	70 - 130	24	20
Di (2-ethylhexyl)phthalate	ND		1.96	1.82		ug/L		93	70 - 130	13	20
Endrin	ND		1.96	1.66		ug/L		85	70 - 130	10	20
Heptachlor	ND		1.96	1.81		ug/L		92	70 - 130	11	20
Heptachlor epoxide	ND		1.96	1.82		ug/L		93	70 - 130	8	20
Hexachlorobenzene	ND		1.96	1.84		ug/L		94	70 - 130	0	20
Hexachlorocyclopentadiene	ND		1.96	1.86		ug/L		95	70 - 130	10	20
gamma-BHC (Lindane)	ND	^3+	1.96	1.80		ug/L		92	70 - 130	1	20
Methoxychlor	ND		1.96	2.17		ug/L		111	70 - 130	14	20
Molinate	ND		1.96	1.91		ug/L		97	70 - 130	10	20
Simazine	ND		1.96	2.09		ug/L		107	70 - 130	4	20
Thiobencarb	ND		1.96	2.02		ug/L		103	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Triphenylphosphate	96		70 - 130
Perylene-d12	87		70 - 130

QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 548.1 - Endothall (GC/MS)

Lab Sample ID: MB 380-127156/1-A

Matrix: Water

Analysis Batch: 127991

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endothall	ND		5.0		ug/L		01/09/25 14:30	01/15/25 07:51	1

Lab Sample ID: LCS 380-127156/3-A

Matrix: Water

Analysis Batch: 127991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endothall	25.0	21.9		ug/L		88	80 - 120

Lab Sample ID: MRL 380-127156/2-A

Matrix: Water

Analysis Batch: 127991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127156

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Endothall	5.00	4.79	J	ug/L		96	50 - 150

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Lab Sample ID: MBL 380-127255/4-A

Matrix: Water

Analysis Batch: 127594

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127255

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (EDB)	ND		0.010		ug/L		01/10/25 18:00	01/11/25 07:07	1
Dibromochloropropane (DBCP)	ND		0.010		ug/L		01/10/25 18:00	01/11/25 07:07	1

Surrogate	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	96		60 - 140	01/10/25 18:00	01/11/25 07:07	1

Lab Sample ID: LCS 380-127255/29-A

Matrix: Water

Analysis Batch: 127594

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide (EDB)	0.200	0.206		ug/L		103	70 - 130
Dibromochloropropane (DBCP)	0.200	0.202		ug/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dibromopropane (Surr)	103		60 - 140

Lab Sample ID: MRL 380-127255/2-A

Matrix: Water

Analysis Batch: 127594

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127255

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dibromopropane (Surr)	94		60 - 140

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: MRL 380-127255/3-A

Matrix: Water

Analysis Batch: 127594

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127255

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide (EDB)	0.0100	0.00887	J	ug/L		89	60 - 140
Dibromochloropropane (DBCP)	0.0100	0.00965	J	ug/L		96	60 - 140
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
1,2-Dibromopropane (Surr)	94		60 - 140				

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: MB 380-127543/32-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127543

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlordane	ND		0.10		ug/L		01/13/25 13:24	01/14/25 01:09	1
Toxaphene	ND		0.50		ug/L		01/13/25 13:24	01/14/25 01:09	1
PCB-1016	ND		0.070		ug/L		01/13/25 13:24	01/14/25 01:09	1
PCB-1221	ND		0.10		ug/L		01/13/25 13:24	01/14/25 01:09	1
PCB-1232	ND		0.10		ug/L		01/13/25 13:24	01/14/25 01:09	1
PCB-1242	ND		0.10		ug/L		01/13/25 13:24	01/14/25 01:09	1
PCB-1248	ND		0.10		ug/L		01/13/25 13:24	01/14/25 01:09	1
PCB-1254	ND		0.10		ug/L		01/13/25 13:24	01/14/25 01:09	1
PCB-1260	ND		0.070		ug/L		01/13/25 13:24	01/14/25 01:09	1
Polychlorinated biphenyls, Total	ND		0.10		ug/L		01/13/25 13:24	01/14/25 01:09	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
Tetrachloro-m-xylene	96		70 - 130				01/13/25 13:24	01/14/25 01:09	1

Lab Sample ID: LCS 380-127543/16-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane	0.500	0.501		ug/L		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene	105		70 - 130				

Lab Sample ID: LCS 380-127543/24-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1221	0.500	0.535		ug/L		107	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene	107		70 - 130				

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 505 - Organochlorine Pesticides/PCBs (GC) (Continued)

Lab Sample ID: LCS 380-127543/57-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127543

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene			2.50	3.23		ug/L		129	70 - 130		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
Tetrachloro-m-xylene		107		70 - 130							

Lab Sample ID: LCS 380-127543/59-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127543

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane			0.500	0.557		ug/L		111	70 - 130		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
Tetrachloro-m-xylene		103		70 - 130							

Lab Sample ID: LCS 380-127543/60-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127543

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1221			0.500	0.499		ug/L		100	70 - 130		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
Tetrachloro-m-xylene		98		70 - 130							

Lab Sample ID: LCS 380-127543/8-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127543

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene			2.50	2.60		ug/L		104	70 - 130		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
Tetrachloro-m-xylene		101		70 - 130							

Lab Sample ID: LCSD 380-127543/58-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127543

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toxaphene			2.50	2.74		ug/L		110	70 - 130	16	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits							
Tetrachloro-m-xylene		96		70 - 130							

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 505 - Organochlorine Pesticides/PCBs (GC) (Continued)

Lab Sample ID: MRL 380-127543/30-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127543

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	0.500	0.559		ug/L		112	50 - 150
Surrogate	%Recovery	MRL Qualifier	Limits				
Tetrachloro-m-xylene	106		70 - 130				

Lab Sample ID: MRL 380-127543/31-A

Matrix: Water

Analysis Batch: 127716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127543

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane	0.100	0.107		ug/L		107	50 - 150
Surrogate	%Recovery	MRL Qualifier	Limits				
Tetrachloro-m-xylene	94		70 - 130				

Method: 515.4 - Herbicides (GC)

Lab Sample ID: MBL 380-127276/11-A

Matrix: Water

Analysis Batch: 127846

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127276

	MBL	MBL							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-TP (Silvex)	ND		0.10		ug/L		01/13/25 08:25	01/13/25 23:04	1
Dinoseb	ND		0.20		ug/L		01/13/25 08:25	01/13/25 23:04	1
2,4-D	ND		0.10		ug/L		01/13/25 08:25	01/13/25 23:04	1
Bentazon	ND		0.50		ug/L		01/13/25 08:25	01/13/25 23:04	1
Pentachlorophenol	ND		0.040		ug/L		01/13/25 08:25	01/13/25 23:04	1
Dalapon	ND		1.0		ug/L		01/13/25 08:25	01/13/25 23:04	1
Picloram	ND		0.10		ug/L		01/13/25 08:25	01/13/25 23:04	1
	MBL	MBL							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	97		70 - 130				01/13/25 08:25	01/13/25 23:04	1

Lab Sample ID: LCS 380-127276/35-A

Matrix: Water

Analysis Batch: 127846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-TP (Silvex)	3.00	2.92		ug/L		97	70 - 130
Dinoseb	3.00	2.88		ug/L		96	70 - 130
2,4-D	1.50	1.45		ug/L		96	70 - 130
Bentazon	7.50	6.87		ug/L		92	70 - 130
Pentachlorophenol	0.600	0.590		ug/L		98	70 - 130
Dalapon	15.0	14.0		ug/L		94	70 - 130
Picloram	1.50	1.38		ug/L		92	70 - 130

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 515.4 - Herbicides (GC) (Continued)

Lab Sample ID: LCS 380-127276/35-A

Matrix: Water

Analysis Batch: 127846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127276

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	101		70 - 130

Lab Sample ID: LCS 380-127276/36-A

Matrix: Water

Analysis Batch: 127846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-TP (Silvex)	4.00	4.26		ug/L		106	70 - 130
Dinoseb	4.00	4.37		ug/L		109	70 - 130
2,4-D	2.00	2.08		ug/L		104	70 - 130
Bentazon	10.0	10.5		ug/L		105	70 - 130
Pentachlorophenol	0.800	0.851		ug/L		106	70 - 130
Dalapon	20.0	21.5		ug/L		108	70 - 130
Picloram	2.00	2.05		ug/L		103	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	101		70 - 130

Lab Sample ID: LCSD 380-127276/37-A

Matrix: Water

Analysis Batch: 127846

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127276

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-TP (Silvex)	4.00	4.26		ug/L		107	70 - 130	0	30
Dinoseb	4.00	4.31		ug/L		108	70 - 130	2	30
2,4-D	2.00	2.04		ug/L		102	70 - 130	2	30
Bentazon	10.0	10.5		ug/L		105	70 - 130	0	30
Pentachlorophenol	0.800	0.847		ug/L		106	70 - 130	1	30
Dalapon	20.0	20.4		ug/L		102	70 - 130	6	30
Picloram	2.00	2.08		ug/L		104	70 - 130	1	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	99		70 - 130

Lab Sample ID: MRL 380-127276/10-A

Matrix: Water

Analysis Batch: 127846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127276

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dinoseb	0.200	0.247		ug/L		123	50 - 150
2,4-D	0.100	0.114		ug/L		114	50 - 150
Bentazon	0.500	0.551		ug/L		110	50 - 150
Pentachlorophenol	0.0400	0.0419		ug/L		105	50 - 150
Dalapon	1.00	1.02		ug/L		102	50 - 150
Picloram	0.100	0.111		ug/L		111	50 - 150

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 515.4 - Herbicides (GC) (Continued)

Lab Sample ID: MRL 380-127276/10-A

Matrix: Water

Analysis Batch: 127846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127276

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	101		70 - 130

Lab Sample ID: MRL 380-127276/9-A

Matrix: Water

Analysis Batch: 127846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127276

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-TP (Silvex)	0.100	0.0988	J	ug/L		99	50 - 150
Surrogate	MRL	MRL					
	%Recovery	Qualifier	Limits				
2,4-Dichlorophenylacetic acid (Surr)	100		70 - 130				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-127098/4

Matrix: Water

Analysis Batch: 127098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.050		mg/L			01/09/25 10:22	1
Nitrite as N	ND		0.050		mg/L			01/09/25 10:22	1

Lab Sample ID: LCS 380-127098/7

Matrix: Water

Analysis Batch: 127098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.35		mg/L		94	90 - 110
Nitrite as N	1.00	0.942		mg/L		94	90 - 110

Lab Sample ID: LCSD 380-127098/8

Matrix: Water

Analysis Batch: 127098

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	2.50	2.35		mg/L		94	90 - 110	0	20
Nitrite as N	1.00	0.942		mg/L		94	90 - 110	0	20

Lab Sample ID: MRL 380-127098/5

Matrix: Water

Analysis Batch: 127098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.0125	0.0115	J	mg/L		92	50 - 150
Nitrite as N	0.0125	0.00965	J	mg/L		77	50 - 150

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 380-127098/6

Matrix: Water

Analysis Batch: 127098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.0500	0.0462	J	mg/L		92	50 - 150
Nitrite as N	0.0500	0.0456	J	mg/L		91	50 - 150

Lab Sample ID: MB 380-127099/4

Matrix: Water

Analysis Batch: 127099

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50		mg/L			01/09/25 10:22	1
Sulfate	ND		0.25		mg/L			01/09/25 10:22	1

Lab Sample ID: LCS 380-127099/7

Matrix: Water

Analysis Batch: 127099

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	24.8		mg/L		99	90 - 110
Sulfate	50.0	48.5		mg/L		97	90 - 110

Lab Sample ID: LCSD 380-127099/8

Matrix: Water

Analysis Batch: 127099

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.0	24.7		mg/L		99	90 - 110	0	20
Sulfate	50.0	48.4		mg/L		97	90 - 110	0	20

Lab Sample ID: MRL 380-127099/5

Matrix: Water

Analysis Batch: 127099

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.125	0.123	J	mg/L		98	50 - 150
Sulfate	0.250	0.257		mg/L		103	50 - 150

Lab Sample ID: MRL 380-127099/6

Matrix: Water

Analysis Batch: 127099

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.435	J	mg/L		87	50 - 150
Sulfate	1.00	0.953		mg/L		95	50 - 150

QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 531.2 - Carbamate Pesticides (HPLC)

Lab Sample ID: MBL 380-127295/3-A

Matrix: Water

Analysis Batch: 127376

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127295

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbofuran	ND		0.50		ug/L		01/10/25 14:27	01/11/25 02:24	1
Oxamyl	ND		0.50		ug/L		01/10/25 14:27	01/11/25 02:24	1
Surrogate	MBL %Recovery	MBL Qualifier	Limits				Prepared	Analyzed	Dil Fac
BDMC	113		70 - 130				01/10/25 14:27	01/11/25 02:24	1

Lab Sample ID: LCS 380-127295/28-A

Matrix: Water

Analysis Batch: 127376

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbofuran	5.00	5.08		ug/L		102	70 - 130
Oxamyl	5.00	4.68		ug/L		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
BDMC	102		70 - 130				

Lab Sample ID: MRL 380-127295/2-A

Matrix: Water

Analysis Batch: 127376

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127295

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Carbofuran	0.500	0.614		ug/L		123	50 - 150
Oxamyl	0.500	0.312	J	ug/L		62	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
BDMC	99		70 - 130				

Method: 547 - Glyphosate (DAI HPLC)

Lab Sample ID: MBL 380-127342/3-A

Matrix: Water

Analysis Batch: 127377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127342

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Glyphosate	ND		6.0		ug/L		01/10/25 11:54	01/10/25 20:21	1

Lab Sample ID: LCS 380-127342/23-A

Matrix: Water

Analysis Batch: 127377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Glyphosate	10.0	10.6		ug/L		106	80 - 120

QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 547 - Glyphosate (DAI HPLC) (Continued)

Lab Sample ID: MRL 380-127342/2-A
Matrix: Water
Analysis Batch: 127377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127342

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Glyphosate	6.00	6.28		ug/L		105	50 - 150

Method: 549.2 - Diquat and Paraquat (HPLC)

Lab Sample ID: MB 380-127237/1-A
Matrix: Water
Analysis Batch: 127573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diquat	ND		0.40		ug/L		01/10/25 11:57	01/11/25 16:01	1

Lab Sample ID: LCS 380-127237/4-A
Matrix: Water
Analysis Batch: 127573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diquat	5.00	3.60		ug/L		72	70 - 130

Lab Sample ID: LCSD 380-127237/5-A
Matrix: Water
Analysis Batch: 127573

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127237

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diquat	4.99	4.42		ug/L		89	70 - 130	20	20

Lab Sample ID: MRL 380-127237/2-A
Matrix: Water
Analysis Batch: 127573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127237

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Diquat	0.400	ND		ug/L		60	50 - 150

Method: 331.0 - Perchlorate (LC/MS/MS)

Lab Sample ID: MBL 380-127238/10
Matrix: Water
Analysis Batch: 127238

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

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		0.50		ug/L			01/10/25 12:23	1

Lab Sample ID: LCS 380-127238/11
Matrix: Water
Analysis Batch: 127238

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perchlorate	19.6	19.0		ug/L		97	80 - 120

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 331.0 - Perchlorate (LC/MS/MS) (Continued)

Lab Sample ID: LCSD 380-127238/12

Matrix: Water

Analysis Batch: 127238

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perchlorate	19.6	19.5		ug/L		99	80 - 120	3	20

Lab Sample ID: MRL 380-127238/1008

Matrix: Water

Analysis Batch: 127238

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Perchlorate	0.490	0.537		ug/L		110	50 - 150		

Method: 1613B - Tetra Chlorinated Dioxin (GC/MS/MS)

Lab Sample ID: MBL 380-128005/21-A

Matrix: Water

Analysis Batch: 128307

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 128005

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		4.9		pg/L		01/15/25 10:30	01/16/25 11:31	1
Isotope Dilution	%Recovery	MBL Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	108		31 - 137				01/15/25 10:30	01/16/25 11:31	1

Lab Sample ID: LCS 380-128005/19-A

Matrix: Water

Analysis Batch: 128307

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 128005

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,3,7,8-TCDD	197	182		pg/L		92	73 - 146		
Isotope Dilution	%Recovery	LCS Qualifier	Limits						
13C-2,3,7,8-TCDD	84		25 - 141						

Lab Sample ID: LCSD 380-128005/20-A

Matrix: Water

Analysis Batch: 128307

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 128005

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,3,7,8-TCDD	197	186		pg/L		95	73 - 146	2	20
Isotope Dilution	%Recovery	LCSD Qualifier	Limits						
13C-2,3,7,8-TCDD	90		25 - 141						

Lab Sample ID: MRL 380-128005/22-A

Matrix: Water

Analysis Batch: 128307

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 128005

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
2,3,7,8-TCDD	4.92	4.51	J	pg/L		92	50 - 150		
Isotope Dilution	%Recovery	MRL Qualifier	Limits						
13C-2,3,7,8-TCDD	86		25 - 141						

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-128044/1-A
Matrix: Water
Analysis Batch: 128310

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 128044

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0		mg/L		01/15/25 10:12	01/15/25 18:13	1
Iron	ND		0.010		mg/L		01/15/25 10:12	01/15/25 18:13	1
Magnesium	ND		0.10		mg/L		01/15/25 10:12	01/15/25 18:13	1
Potassium	ND		1.0		mg/L		01/15/25 10:12	01/15/25 18:13	1
Sodium	ND		1.0		mg/L		01/15/25 10:12	01/15/25 18:13	1

Lab Sample ID: LCS 380-128044/3-A
Matrix: Water
Analysis Batch: 128310

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 128044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	48.5		mg/L		97	85 - 115
Iron	5.00	4.73		mg/L		95	85 - 115
Magnesium	20.0	19.3		mg/L		97	85 - 115
Potassium	20.0	19.4		mg/L		97	85 - 115
Sodium	50.0	48.4		mg/L		97	85 - 115

Lab Sample ID: LCSD 380-128044/4-A
Matrix: Water
Analysis Batch: 128310

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 128044

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	49.4		mg/L		99	85 - 115	2	20
Iron	5.00	4.82		mg/L		96	85 - 115	2	20
Magnesium	20.0	19.7		mg/L		99	85 - 115	2	20
Potassium	20.0	19.8		mg/L		99	85 - 115	2	20
Sodium	50.0	49.6		mg/L		99	85 - 115	2	20

Lab Sample ID: LLCS 380-128044/2-A
Matrix: Water
Analysis Batch: 128310

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 128044

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	1.00	0.995	J	mg/L		100	50 - 150
Iron	0.0100	0.0103		mg/L		103	50 - 150
Magnesium	0.100	0.103		mg/L		103	50 - 150
Potassium	1.00	0.965	J	mg/L		96	50 - 150
Sodium	1.00	0.994	J	mg/L		99	50 - 150

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-127526/1-A
Matrix: Water
Analysis Batch: 127638

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 127526

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20		ug/L		01/13/25 09:30	01/13/25 15:48	1
Antimony	ND		1.0		ug/L		01/13/25 09:30	01/13/25 15:48	1
Arsenic	ND		1.0		ug/L		01/13/25 09:30	01/13/25 15:48	1
Barium	ND		2.0		ug/L		01/13/25 09:30	01/13/25 15:48	1

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MBL 380-127526/1-A

Matrix: Water

Analysis Batch: 127638

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 127526

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.30		ug/L		01/13/25 09:30	01/13/25 15:48	1
Cadmium	ND		0.50		ug/L		01/13/25 09:30	01/13/25 15:48	1
Chromium	ND		0.90		ug/L		01/13/25 09:30	01/13/25 15:48	1
Copper	ND		1.0		ug/L		01/13/25 09:30	01/13/25 15:48	1
Lead	ND		0.50		ug/L		01/13/25 09:30	01/13/25 15:48	1
Manganese	ND		2.0		ug/L		01/13/25 09:30	01/13/25 15:48	1
Selenium	ND		2.0		ug/L		01/13/25 09:30	01/13/25 15:48	1
Silver	ND		0.50		ug/L		01/13/25 09:30	01/13/25 15:48	1
Thallium	ND		0.30		ug/L		01/13/25 09:30	01/13/25 15:48	1
Vanadium	ND		2.0		ug/L		01/13/25 09:30	01/13/25 15:48	1
Zinc	ND		20		ug/L		01/13/25 09:30	01/13/25 15:48	1

Lab Sample ID: LCS 380-127526/3-A

Matrix: Water

Analysis Batch: 127638

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 127526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	50.0	56.4		ug/L		113	85 - 115
Antimony	50.0	50.7		ug/L		101	85 - 115
Arsenic	50.0	52.3		ug/L		105	85 - 115
Barium	50.0	51.2		ug/L		102	85 - 115
Beryllium	50.0	51.4		ug/L		103	85 - 115
Cadmium	50.0	50.4		ug/L		101	85 - 115
Chromium	50.0	50.5		ug/L		101	85 - 115
Copper	50.0	51.8		ug/L		104	85 - 115
Lead	50.0	48.9		ug/L		98	85 - 115
Manganese	50.0	50.6		ug/L		101	85 - 115
Selenium	50.0	53.3		ug/L		107	85 - 115
Silver	50.0	50.8		ug/L		102	85 - 115
Thallium	50.0	50.0		ug/L		100	85 - 115
Vanadium	50.0	49.7		ug/L		99	85 - 115
Zinc	50.0	53.1		ug/L		106	85 - 115

Lab Sample ID: LCSD 380-127526/4-A

Matrix: Water

Analysis Batch: 127638

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 127526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	50.0	54.7		ug/L		109	85 - 115	3	20
Antimony	50.0	51.6		ug/L		103	85 - 115	2	20
Arsenic	50.0	52.7		ug/L		105	85 - 115	1	20
Barium	50.0	51.3		ug/L		103	85 - 115	0	20
Beryllium	50.0	52.4		ug/L		105	85 - 115	2	20
Cadmium	50.0	52.0		ug/L		104	85 - 115	3	20
Chromium	50.0	50.7		ug/L		101	85 - 115	1	20
Copper	50.0	51.5		ug/L		103	85 - 115	1	20
Lead	50.0	50.7		ug/L		101	85 - 115	4	20
Manganese	50.0	50.8		ug/L		102	85 - 115	0	20
Selenium	50.0	53.0		ug/L		106	85 - 115	1	20

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 380-127526/4-A

Matrix: Water

Analysis Batch: 127638

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 127526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	50.0	53.8		ug/L		108	85 - 115	6	20
Thallium	50.0	51.8		ug/L		104	85 - 115	3	20
Vanadium	50.0	49.6		ug/L		99	85 - 115	0	20
Zinc	50.0	53.3		ug/L		107	85 - 115	0	20

Lab Sample ID: LLCS 380-127526/2-A

Matrix: Water

Analysis Batch: 127638

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 127526

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum	20.0	22.8		ug/L		114	50 - 150		
Antimony	1.00	1.03		ug/L		103	50 - 150		
Arsenic	1.00	1.07		ug/L		107	50 - 150		
Barium	2.00	2.03		ug/L		102	50 - 150		
Beryllium	0.300	0.310		ug/L		103	50 - 150		
Cadmium	0.500	0.490	J	ug/L		98	50 - 150		
Chromium	0.900	0.712	J	ug/L		79	50 - 150		
Copper	1.00	1.07		ug/L		107	50 - 150		
Lead	0.500	0.506		ug/L		101	50 - 150		
Manganese	2.00	2.13		ug/L		106	50 - 150		
Selenium	2.00	2.04		ug/L		102	50 - 150		
Silver	0.500	0.526		ug/L		105	50 - 150		
Thallium	0.300	0.299	J	ug/L		100	50 - 150		
Vanadium	2.00	2.51		ug/L		125	50 - 150		
Zinc	20.0	21.7		ug/L		108	50 - 150		

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-127526/1-A

Matrix: Water

Analysis Batch: 127639

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 127526

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.20		ug/L		01/13/25 09:30	01/13/25 15:48	1

Lab Sample ID: LCS 380-127526/3-A

Matrix: Water

Analysis Batch: 127639

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 127526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Hg	1.00	0.974		ug/L		97	85 - 115		

Lab Sample ID: LCSD 380-127526/4-A

Matrix: Water

Analysis Batch: 127639

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 127526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hg	1.00	0.983		ug/L		98	85 - 115	1	20

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 200.8 - Mercury (ICP/MS) (Continued)

Lab Sample ID: LLCS 380-127526/2-A
Matrix: Water
Analysis Batch: 127639

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 127526

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Hg	0.200	0.208		ug/L		104	50 - 150

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 380-128316/1-A
Matrix: Water
Analysis Batch: 128499

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 128316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.0050		mg/L		01/16/25 08:34	01/16/25 11:27	1

Lab Sample ID: LCS 380-128316/4-A
Matrix: Water
Analysis Batch: 128499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 128316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0942		mg/L		94	90 - 110

Lab Sample ID: LCSD 380-128316/5-A
Matrix: Water
Analysis Batch: 128499

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 128316

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.100	0.0982		mg/L		98	90 - 110	4	20

Lab Sample ID: LLCS 380-128316/3-A
Matrix: Water
Analysis Batch: 128499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 128316

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0200	0.0213		mg/L		107	80 - 120

Lab Sample ID: MRL 380-128316/2-A
Matrix: Water
Analysis Batch: 128499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 128316

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.00500	0.00550		mg/L		110	50 - 150

Method: 4500 CN F - Cyanide, Free

Lab Sample ID: MB 380-127530/1
Matrix: Water
Analysis Batch: 127530

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	ND		0.025		mg/L			01/13/25 09:42	1

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: 4500 CN F - Cyanide, Free (Continued)

Lab Sample ID: LCS 380-127530/5

Matrix: Water

Analysis Batch: 127530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide	0.100	0.0993		mg/L		99	90 - 110

Lab Sample ID: LCSD 380-127530/6

Matrix: Water

Analysis Batch: 127530

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide	0.100	0.0991		mg/L		99	90 - 110	0	20

Lab Sample ID: MRL 380-127530/4

Matrix: Water

Analysis Batch: 127530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide	0.0250	0.0325		mg/L		130	50 - 150

Lab Sample ID: 380-129268-1 MS

Matrix: Water

Analysis Batch: 127530

Client Sample ID: Baker

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide	ND		0.100	0.0967		mg/L		97	80 - 120

Lab Sample ID: 380-129268-1 MSD

Matrix: Water

Analysis Batch: 127530

Client Sample ID: Baker

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide	ND		0.100	0.101		mg/L		101	80 - 120	4	20

Method: SM 2150B - Odor

Lab Sample ID: MB 380-127044/1

Matrix: Water

Analysis Batch: 127044

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Odor	ND		1.0		T.O.N.			01/09/25 11:32	1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-127532/1

Matrix: Water

Analysis Batch: 127532

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		2.0		mg/L			01/10/25 15:38	1
Bicarbonate Alkalinity as CaCO3	2.76		2.0		mg/L			01/10/25 15:38	1
Carbonate Alkalinity as CaCO3	ND		2.0		mg/L			01/10/25 15:38	1
Hydroxide Alkalinity as CaCO3	ND		2.0		mg/L			01/10/25 15:38	1

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 380-127532/1

Matrix: Water

Analysis Batch: 127532

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity as CaCO3	ND		2.0		mg/L			01/10/25 15:38	1

Lab Sample ID: LCS 380-127532/4

Matrix: Water

Analysis Batch: 127532

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	100	95.6		mg/L		96	90 - 110

Lab Sample ID: LCSD 380-127532/19

Matrix: Water

Analysis Batch: 127532

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	100	94.8		mg/L		95	90 - 110	1	20

Lab Sample ID: LLCS 380-127532/5

Matrix: Water

Analysis Batch: 127532

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	20.0	19.3		mg/L		96	90 - 110

Lab Sample ID: MRL 380-127532/2

Matrix: Water

Analysis Batch: 127532

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	2.00	2.64		mg/L		132	50 - 150

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-127537/3

Matrix: Water

Analysis Batch: 127537

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		2.0		umhos/cm			01/10/25 15:38	1

Lab Sample ID: LCS 380-127537/5

Matrix: Water

Analysis Batch: 127537

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1000	1000		umhos/cm		100	90 - 110

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: SM 2510B - Conductivity, Specific Conductance (Continued)

Lab Sample ID: LCSD 380-127537/17

Matrix: Water

Analysis Batch: 127537

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Specific Conductance	1000	1000		umhos/cm		100	90 - 110	0	10

Lab Sample ID: MRL 380-127537/4

Matrix: Water

Analysis Batch: 127537

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance	2.00	1.90	J	umhos/cm		95	50 - 150		

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

Lab Sample ID: MB 380-127127/1

Matrix: Water

Analysis Batch: 127127

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			01/09/25 16:39	1

Lab Sample ID: HLCS 380-127127/5

Matrix: Water

Analysis Batch: 127127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	700	704		mg/L		101	80 - 114		

Lab Sample ID: LCS 380-127127/4

Matrix: Water

Analysis Batch: 127127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	175	184		mg/L		105	80 - 114		

Lab Sample ID: MRL 380-127127/2

Matrix: Water

Analysis Batch: 127127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	10.0	10.0		mg/L		100	50 - 150		

Lab Sample ID: MRL 380-127127/3

Matrix: Water

Analysis Batch: 127127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	10.0	9.00	J	mg/L		90	50 - 150		

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QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-128313/6

Matrix: Water

Analysis Batch: 128313

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.050		mg/L			01/15/25 13:39	1

Lab Sample ID: LCS 380-128313/8

Matrix: Water

Analysis Batch: 128313

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.00	1.03		mg/L		103	90 - 110

Lab Sample ID: LCSD 380-128313/9

Matrix: Water

Analysis Batch: 128313

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.00	1.03		mg/L		103	90 - 110	0	10

Lab Sample ID: MRL 380-128313/7

Matrix: Water

Analysis Batch: 128313

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.0500	0.0505		mg/L		101	50 - 150

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-127538/5

Matrix: Water

Analysis Batch: 127538

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.7		0.01		SU			01/10/25 15:38	1

Lab Sample ID: LCS 380-127538/6

Matrix: Water

Analysis Batch: 127538

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	6.00	6.0		SU		100	98 - 102

Lab Sample ID: LCSD 380-127538/18

Matrix: Water

Analysis Batch: 127538

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
pH	6.00	6.0		SU		100	98 - 102	0	2

QC Sample Results

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method: SM 5540C - Methylene Blue Active Substances (MBAS)

Lab Sample ID: MB 380-128297/2

Matrix: Water

Analysis Batch: 128297

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Blue Active Substances	ND		0.10		mg/L			01/16/25 07:08	1

Lab Sample ID: LCS 380-128297/4

Matrix: Water

Analysis Batch: 128297

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Blue Active Substances	0.200	0.192		mg/L		96	90 - 110

Lab Sample ID: LCSD 380-128297/5

Matrix: Water

Analysis Batch: 128297

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Blue Active Substances	0.200	0.188		mg/L		94	90 - 110	2	20

Lab Sample ID: MRL 380-128297/3

Matrix: Water

Analysis Batch: 128297

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Blue Active Substances	0.100	0.0913	J	mg/L		91	75 - 125

QC Association Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

GC/MS VOA

Analysis Batch: 127793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	524.2	
MB 380-127793/13	Method Blank	Total/NA	Water	524.2	
LCS 380-127793/10	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-127793/11	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-127793/12	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-127793/9	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 128096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	524.2	
MB 380-128096/13	Method Blank	Total/NA	Water	524.2	
LCS 380-128096/10	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-128096/11	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-128096/12	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-128096/9	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 129057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	CA DWRL	
380-129268-2	Trip Blank	Total/NA	Water	CA DWRL	
MB 380-129057/12	Method Blank	Total/NA	Water	CA DWRL	
LCS 380-129057/1010	Lab Control Sample	Total/NA	Water	CA DWRL	
MRL 380-129057/11	Lab Control Sample	Total/NA	Water	CA DWRL	
380-129268-1 DU	Baker	Total/NA	Water	CA DWRL	

GC/MS Semi VOA

Prep Batch: 127156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	548.1	
MB 380-127156/1-A	Method Blank	Total/NA	Water	548.1	
LCS 380-127156/3-A	Lab Control Sample	Total/NA	Water	548.1	
MRL 380-127156/2-A	Lab Control Sample	Total/NA	Water	548.1	

Prep Batch: 127221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	525.2	
MB 380-127221/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-127221/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-127221/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-127221/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-129268-1 MS	Baker	Total/NA	Water	525.2	
380-129268-1 MSD	Baker	Total/NA	Water	525.2	

Analysis Batch: 127547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	525.2	127221
MB 380-127221/21-A	Method Blank	Total/NA	Water	525.2	127221
LCS 380-127221/23-A	Lab Control Sample	Total/NA	Water	525.2	127221
LCSD 380-127221/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	127221
MRL 380-127221/22-A	Lab Control Sample	Total/NA	Water	525.2	127221

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QC Association Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

GC/MS Semi VOA (Continued)

Analysis Batch: 127547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1 MS	Baker	Total/NA	Water	525.2	127221
380-129268-1 MSD	Baker	Total/NA	Water	525.2	127221

Analysis Batch: 127991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	548.1	127156
MB 380-127156/1-A	Method Blank	Total/NA	Water	548.1	127156
LCS 380-127156/3-A	Lab Control Sample	Total/NA	Water	548.1	127156
MRL 380-127156/2-A	Lab Control Sample	Total/NA	Water	548.1	127156

GC Semi VOA

Prep Batch: 127255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	504.1	
MBL 380-127255/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-127255/29-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-127255/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-127255/3-A	Lab Control Sample	Total/NA	Water	504.1	

Prep Batch: 127276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	515.4	
MBL 380-127276/11-A	Method Blank	Total/NA	Water	515.4	
LCS 380-127276/35-A	Lab Control Sample	Total/NA	Water	515.4	
LCS 380-127276/36-A	Lab Control Sample	Total/NA	Water	515.4	
LCSD 380-127276/37-A	Lab Control Sample Dup	Total/NA	Water	515.4	
MRL 380-127276/10-A	Lab Control Sample	Total/NA	Water	515.4	
MRL 380-127276/9-A	Lab Control Sample	Total/NA	Water	515.4	

Prep Batch: 127543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	505	
MB 380-127543/32-A	Method Blank	Total/NA	Water	505	
LCS 380-127543/16-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-127543/24-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-127543/57-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-127543/59-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-127543/60-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-127543/8-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-127543/58-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-127543/30-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-127543/31-A	Lab Control Sample	Total/NA	Water	505	

Analysis Batch: 127594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	504.1	127255
MBL 380-127255/4-A	Method Blank	Total/NA	Water	504.1	127255
LCS 380-127255/29-A	Lab Control Sample	Total/NA	Water	504.1	127255
MRL 380-127255/2-A	Lab Control Sample	Total/NA	Water	504.1	127255
MRL 380-127255/3-A	Lab Control Sample	Total/NA	Water	504.1	127255

Eurofins Eaton Analytical Pomona

QC Association Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

GC Semi VOA

Analysis Batch: 127716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	505	127543
MB 380-127543/32-A	Method Blank	Total/NA	Water	505	127543
LCS 380-127543/16-A	Lab Control Sample	Total/NA	Water	505	127543
LCS 380-127543/24-A	Lab Control Sample	Total/NA	Water	505	127543
LCS 380-127543/57-A	Lab Control Sample	Total/NA	Water	505	127543
LCS 380-127543/59-A	Lab Control Sample	Total/NA	Water	505	127543
LCS 380-127543/60-A	Lab Control Sample	Total/NA	Water	505	127543
LCS 380-127543/8-A	Lab Control Sample	Total/NA	Water	505	127543
LCSD 380-127543/58-A	Lab Control Sample Dup	Total/NA	Water	505	127543
MRL 380-127543/30-A	Lab Control Sample	Total/NA	Water	505	127543
MRL 380-127543/31-A	Lab Control Sample	Total/NA	Water	505	127543

Analysis Batch: 127846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	515.4	127276
MBL 380-127276/11-A	Method Blank	Total/NA	Water	515.4	127276
LCS 380-127276/35-A	Lab Control Sample	Total/NA	Water	515.4	127276
LCS 380-127276/36-A	Lab Control Sample	Total/NA	Water	515.4	127276
LCSD 380-127276/37-A	Lab Control Sample Dup	Total/NA	Water	515.4	127276
MRL 380-127276/10-A	Lab Control Sample	Total/NA	Water	515.4	127276
MRL 380-127276/9-A	Lab Control Sample	Total/NA	Water	515.4	127276

HPLC/IC

Analysis Batch: 127098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	300.0	
MB 380-127098/4	Method Blank	Total/NA	Water	300.0	
LCS 380-127098/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-127098/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-127098/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 380-127098/6	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 127099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	300.0	
MB 380-127099/4	Method Blank	Total/NA	Water	300.0	
LCS 380-127099/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-127099/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-127099/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 380-127099/6	Lab Control Sample	Total/NA	Water	300.0	

Prep Batch: 127237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	549.2	
MB 380-127237/1-A	Method Blank	Total/NA	Water	549.2	
LCS 380-127237/4-A	Lab Control Sample	Total/NA	Water	549.2	
LCSD 380-127237/5-A	Lab Control Sample Dup	Total/NA	Water	549.2	
MRL 380-127237/2-A	Lab Control Sample	Total/NA	Water	549.2	

QC Association Summary

Client: SWCA Environmental Consultants

Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

HPLC/IC

Filtration Batch: 127295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	Filtration	
MBL 380-127295/3-A	Method Blank	Total/NA	Water	Filtration	
LCS 380-127295/28-A	Lab Control Sample	Total/NA	Water	Filtration	
MRL 380-127295/2-A	Lab Control Sample	Total/NA	Water	Filtration	

Filtration Batch: 127342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	Filtration	
MBL 380-127342/3-A	Method Blank	Total/NA	Water	Filtration	
LCS 380-127342/23-A	Lab Control Sample	Total/NA	Water	Filtration	
MRL 380-127342/2-A	Lab Control Sample	Total/NA	Water	Filtration	

Analysis Batch: 127376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	531.2	127295
MBL 380-127295/3-A	Method Blank	Total/NA	Water	531.2	127295
LCS 380-127295/28-A	Lab Control Sample	Total/NA	Water	531.2	127295
MRL 380-127295/2-A	Lab Control Sample	Total/NA	Water	531.2	127295

Analysis Batch: 127377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	547	127342
MBL 380-127342/3-A	Method Blank	Total/NA	Water	547	127342
LCS 380-127342/23-A	Lab Control Sample	Total/NA	Water	547	127342
MRL 380-127342/2-A	Lab Control Sample	Total/NA	Water	547	127342

Analysis Batch: 127573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	549.2	127237
MB 380-127237/1-A	Method Blank	Total/NA	Water	549.2	127237
LCS 380-127237/4-A	Lab Control Sample	Total/NA	Water	549.2	127237
LCSD 380-127237/5-A	Lab Control Sample Dup	Total/NA	Water	549.2	127237
MRL 380-127237/2-A	Lab Control Sample	Total/NA	Water	549.2	127237

LCMS

Analysis Batch: 127238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	331.0	
MBL 380-127238/10	Method Blank	Total/NA	Water	331.0	
LCS 380-127238/11	Lab Control Sample	Total/NA	Water	331.0	
LCSD 380-127238/12	Lab Control Sample Dup	Total/NA	Water	331.0	
MRL 380-127238/1008	Lab Control Sample	Total/NA	Water	331.0	

Specialty Organics

Prep Batch: 128005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	1613B	
MBL 380-128005/21-A	Method Blank	Total/NA	Water	1613B	
LCS 380-128005/19-A	Lab Control Sample	Total/NA	Water	1613B	
LCSD 380-128005/20-A	Lab Control Sample Dup	Total/NA	Water	1613B	

QC Association Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Specialty Organics (Continued)

Prep Batch: 128005 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 380-128005/22-A	Lab Control Sample	Total/NA	Water	1613B	

Analysis Batch: 128307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	1613B	128005
MBL 380-128005/21-A	Method Blank	Total/NA	Water	1613B	128005
LCS 380-128005/19-A	Lab Control Sample	Total/NA	Water	1613B	128005
LCSD 380-128005/20-A	Lab Control Sample Dup	Total/NA	Water	1613B	128005
MRL 380-128005/22-A	Lab Control Sample	Total/NA	Water	1613B	128005

Metals

Prep Batch: 127526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total Recoverable	Water	200.8	
MBL 380-127526/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 380-127526/3-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 380-127526/4-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	
LLCS 380-127526/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Analysis Batch: 127638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total Recoverable	Water	200.8	127526
MBL 380-127526/1-A	Method Blank	Total Recoverable	Water	200.8	127526
LCS 380-127526/3-A	Lab Control Sample	Total Recoverable	Water	200.8	127526
LCSD 380-127526/4-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	127526
LLCS 380-127526/2-A	Lab Control Sample	Total Recoverable	Water	200.8	127526

Analysis Batch: 127639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total Recoverable	Water	200.8	127526
MBL 380-127526/1-A	Method Blank	Total Recoverable	Water	200.8	127526
LCS 380-127526/3-A	Lab Control Sample	Total Recoverable	Water	200.8	127526
LCSD 380-127526/4-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	127526
LLCS 380-127526/2-A	Lab Control Sample	Total Recoverable	Water	200.8	127526

Prep Batch: 128044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total Recoverable	Water	200.7	
MBL 380-128044/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 380-128044/3-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 380-128044/4-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 380-128044/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 128310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total Recoverable	Water	200.7 Rev 4.4	128044
MBL 380-128044/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	128044
LCS 380-128044/3-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	128044
LCSD 380-128044/4-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	128044
LLCS 380-128044/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	128044

Eurofins Eaton Analytical Pomona

QC Association Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Metals

Analysis Batch: 128579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	SM 2340B	

Analysis Batch: 128604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total Recoverable	Water	200.7 Rev 4.4	128044

General Chemistry

Analysis Batch: 127044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	SM 2150B	
MB 380-127044/1	Method Blank	Total/NA	Water	SM 2150B	

Analysis Batch: 127127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	SM 2540C	
MB 380-127127/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-127127/5	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-127127/4	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-127127/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-127127/3	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 127530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	4500 CN F	
MB 380-127530/1	Method Blank	Total/NA	Water	4500 CN F	
LCS 380-127530/5	Lab Control Sample	Total/NA	Water	4500 CN F	
LCSD 380-127530/6	Lab Control Sample Dup	Total/NA	Water	4500 CN F	
MRL 380-127530/4	Lab Control Sample	Total/NA	Water	4500 CN F	
380-129268-1 MS	Baker	Total/NA	Water	4500 CN F	
380-129268-1 MSD	Baker	Total/NA	Water	4500 CN F	

Analysis Batch: 127532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	SM 2320B	
MB 380-127532/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-127532/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-127532/19	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-127532/5	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-127532/2	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 127537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	SM 2510B	
MB 380-127537/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-127537/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-127537/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-127537/4	Lab Control Sample	Total/NA	Water	SM 2510B	

QC Association Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

General Chemistry

Analysis Batch: 127538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	SM 4500 H+ B	
MB 380-127538/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-127538/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-127538/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 128297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	SM 5540C	
MB 380-128297/2	Method Blank	Total/NA	Water	SM 5540C	
LCS 380-128297/4	Lab Control Sample	Total/NA	Water	SM 5540C	
LCSD 380-128297/5	Lab Control Sample Dup	Total/NA	Water	SM 5540C	
MRL 380-128297/3	Lab Control Sample	Total/NA	Water	SM 5540C	

Analysis Batch: 128313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	SM 4500 F C	
MB 380-128313/6	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-128313/8	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-128313/9	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-128313/7	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Prep Batch: 128316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	Distill/CN	
MB 380-128316/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 380-128316/4-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LCSD 380-128316/5-A	Lab Control Sample Dup	Total/NA	Water	Distill/CN	
LLCS 380-128316/3-A	Lab Control Sample	Total/NA	Water	Distill/CN	
MRL 380-128316/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 128499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-129268-1	Baker	Total/NA	Water	335.4	128316
MB 380-128316/1-A	Method Blank	Total/NA	Water	335.4	128316
LCS 380-128316/4-A	Lab Control Sample	Total/NA	Water	335.4	128316
LCSD 380-128316/5-A	Lab Control Sample Dup	Total/NA	Water	335.4	128316
LLCS 380-128316/3-A	Lab Control Sample	Total/NA	Water	335.4	128316
MRL 380-128316/2-A	Lab Control Sample	Total/NA	Water	335.4	128316

Lab Chronicle

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Client Sample ID: Baker

Lab Sample ID: 380-129268-1

Date Collected: 01/07/25 10:07

Matrix: Water

Date Received: 01/09/25 09:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	127793	UKCP	EA POM	01/14/25 17:43
Total/NA	Analysis	524.2		1	128096	UKCP	EA POM	01/15/25 19:17
Total/NA	Analysis	CA DWRL		1	129057	Q6AD	EA POM	01/20/25 20:24
Total/NA	Prep	525.2			127221	OTM3	EA POM	01/10/25 07:00
Total/NA	Analysis	525.2		1	127547	UPAC	EA POM	01/13/25 13:29
Total/NA	Prep	548.1			127156	E2HD	EA POM	01/09/25 14:30
Total/NA	Analysis	548.1		1	127991	X8AA	EA POM	01/15/25 11:44
Total/NA	Prep	504.1			127255	LZ8Q	EA POM	01/10/25 18:00 - 01/10/25 19:30 ¹
Total/NA	Analysis	504.1		1	127594	LZ8Q	EA POM	01/11/25 09:35
Total/NA	Prep	505			127543	DR5R	EA POM	01/13/25 13:24 - 01/13/25 14:45 ¹
Total/NA	Analysis	505		1	127716	DR5R	EA POM	01/14/25 08:12
Total/NA	Prep	515.4			127276	K9GY	EA POM	01/13/25 08:25
Total/NA	Analysis	515.4		1	127846	K9GY	EA POM	01/14/25 02:24
Total/NA	Analysis	300.0		5	127098	DXD4	EA POM	01/09/25 16:48
Total/NA	Analysis	300.0		5	127099	DXD4	EA POM	01/09/25 16:48
Total/NA	Filtration	Filtration			127295	Q6XM	EA POM	01/10/25 14:27
Total/NA	Analysis	531.2		1	127376	Q6XM	EA POM	01/11/25 15:27
Total/NA	Filtration	Filtration			127342	UD4M	EA POM	01/10/25 11:54
Total/NA	Analysis	547		1	127377	UD4M	EA POM	01/11/25 00:38
Total/NA	Prep	549.2			127237	X5FS	EA POM	01/10/25 11:57
Total/NA	Analysis	549.2		1	127573	UD4M	EA POM	01/11/25 20:29
Total/NA	Analysis	331.0		1	127238	R6YA	EA POM	01/10/25 15:07
Total/NA	Prep	1613B			128005	U7RS	EA POM	01/15/25 10:30
Total/NA	Analysis	1613B		1	128307	X8AA	EA POM	01/16/25 18:56
Total Recoverable	Prep	200.7			128044	Z45W	EA POM	01/15/25 10:12
Total Recoverable	Analysis	200.7 Rev 4.4		1	128310	MF7S	EA POM	01/15/25 18:48
Total Recoverable	Prep	200.7			128044	Z45W	EA POM	01/15/25 10:12
Total Recoverable	Analysis	200.7 Rev 4.4		2	128604	MF7S	EA POM	01/16/25 13:42
Total Recoverable	Prep	200.8			127526	Z45W	EA POM	01/13/25 09:30
Total Recoverable	Analysis	200.8		1	127638	VB9B	EA POM	01/13/25 16:47
Total Recoverable	Prep	200.8			127526	Z45W	EA POM	01/13/25 09:30
Total Recoverable	Analysis	200.8		1	127639	VB9B	EA POM	01/13/25 16:47
Total/NA	Analysis	SM 2340B		1	128579	D5TU	EA POM	01/16/25 22:55
Total/NA	Prep	Distill/CN			128316	MH2L	EA POM	01/16/25 08:34
Total/NA	Analysis	335.4		1	128499	MH2L	EA POM	01/16/25 12:26
Total/NA	Analysis	4500 CN F		1	127530	MQP5	EA POM	01/13/25 09:42
Total/NA	Analysis	SM 2150B		1	127044	DN4H	EA POM	01/09/25 11:32
Total/NA	Analysis	SM 2320B		1	127532	D5MQ	EA POM	01/10/25 17:12
Total/NA	Analysis	SM 2510B		1	127537	D5MQ	EA POM	01/10/25 17:12
Total/NA	Analysis	SM 2540C		1	127127	WZH3	EA POM	01/09/25 16:39
Total/NA	Analysis	SM 4500 F C		1	128313	PK4Q	EA POM	01/15/25 15:03
Total/NA	Analysis	SM 4500 H+ B		1	127538	D5MQ	EA POM	01/10/25 17:12

Eurofins Eaton Analytical Pomona

Lab Chronicle

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Client Sample ID: Baker
Date Collected: 01/07/25 10:07
Date Received: 01/09/25 09:43

Lab Sample ID: 380-129268-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 5540C		1	128297	ZJ2C	EA POM	01/16/25 07:08

Client Sample ID: Trip Blank
Date Collected: 01/07/25 10:07
Date Received: 01/09/25 09:43

Lab Sample ID: 380-129268-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	CA DWRL		1	129057	Q6AD	EA POM	01/20/25 21:09

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:
EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Laboratory: Eurofins Eaton Analytical Pomona

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

Authority	Program	Identification Number	Expiration Date
California	State	2813	06-18-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
1613B	1613B	Water	2,3,7,8-TCDD
200.8	200.8	Water	Hg
331.0		Water	Perchlorate
4500 CN F		Water	Cyanide
504.1	504.1	Water	Dibromochloropropane (DBCP)
504.1	504.1	Water	Ethylene Dibromide (EDB)
505	505	Water	Chlordane
505	505	Water	PCB-1016
505	505	Water	PCB-1221
505	505	Water	PCB-1232
505	505	Water	PCB-1242
505	505	Water	PCB-1248
505	505	Water	PCB-1254
505	505	Water	PCB-1260
505	505	Water	Polychlorinated biphenyls, Total
505	505	Water	Toxaphene
515.4	515.4	Water	2,4,5-TP (Silvex)
515.4	515.4	Water	2,4-D
515.4	515.4	Water	Bentazon
515.4	515.4	Water	Dalapon
515.4	515.4	Water	Dinoseb
515.4	515.4	Water	Pentachlorophenol
515.4	515.4	Water	Picloram
524.2		Water	1,1,1-Trichloroethane
524.2		Water	1,1,2,2-Tetrachloroethane
524.2		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
524.2		Water	1,1,2-Trichloroethane
524.2		Water	1,1-Dichloroethane
524.2		Water	1,1-Dichloroethylene
524.2		Water	1,2,4-Trichlorobenzene
524.2		Water	1,2-Dichlorobenzene
524.2		Water	1,2-Dichloroethane
524.2		Water	1,2-Dichloropropane
524.2		Water	1,3-Dichloropropene, Total
524.2		Water	1,4-Dichlorobenzene
524.2		Water	Benzene
524.2		Water	Carbon tetrachloride
524.2		Water	Chlorobenzene
524.2		Water	cis-1,2-Dichloroethylene
524.2		Water	cis-1,3-Dichloropropene
524.2		Water	Dichloromethane
524.2		Water	Ethylbenzene
524.2		Water	m,p-Xylenes
524.2		Water	Methyl-tert-butyl Ether (MTBE)
524.2		Water	o-Xylene

Eurofins Eaton Analytical Pomona

Accreditation/Certification Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

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

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	Styrene
524.2		Water	Tetrachloroethylene
524.2		Water	Toluene
524.2		Water	trans-1,2-Dichloroethylene
524.2		Water	trans-1,3-Dichloropropene
524.2		Water	Trichloroethylene
524.2		Water	Trichlorofluoromethane
524.2		Water	Vinyl chloride
524.2		Water	Xylenes, Total
525.2	525.2	Water	Alachlor
525.2	525.2	Water	Atrazine
525.2	525.2	Water	Benzo[a]pyrene
525.2	525.2	Water	Di (2-ethylhexyl)phthalate
525.2	525.2	Water	Di(2-ethylhexyl)adipate
525.2	525.2	Water	Endrin
525.2	525.2	Water	gamma-BHC (Lindane)
525.2	525.2	Water	Heptachlor
525.2	525.2	Water	Heptachlor epoxide
525.2	525.2	Water	Hexachlorobenzene
525.2	525.2	Water	Hexachlorocyclopentadiene
525.2	525.2	Water	Methoxychlor
525.2	525.2	Water	Molinate
525.2	525.2	Water	Simazine
525.2	525.2	Water	Thiobencarb
531.2	Filtration	Water	Carbofuran
531.2	Filtration	Water	Oxamyl
547	Filtration	Water	Glyphosate
548.1	548.1	Water	Endothall
549.2	549.2	Water	Diquat
CA DWRL		Water	1,2,3-Trichloropropane
SM 2150B		Water	Odor
SM 2320B		Water	Phenolphthalein Alkalinity as CaCO3
SM 2340B		Water	Calcium hardness as CaCO3
SM 2340B		Water	Magnesium hardness as CaCO3
SM 4500 F C		Water	Fluoride

Method Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	EA POM
CA DWRL	Volatile Organic Compounds (GC/MS)	CADHS	EA POM
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
548.1	Endothall (GC/MS)	EPA	EA POM
504.1	EDB, DBCP and 1,2,3-TCP (GC)	EPA-DW2	EA POM
505	Organochlorine Pesticides/PCBs (GC)	EPA	EA POM
515.4	Herbicides (GC)	EPA-DW	EA POM
300.0	Anions, Ion Chromatography	EPA	EA POM
531.2	Carbamate Pesticides (HPLC)	EPA	EA POM
547	Glyphosate (DAI HPLC)	EPA	EA POM
549.2	Diquat and Paraquat (HPLC)	EPA	EA POM
331.0	Perchlorate (LC/MS/MS)	EPA	EA POM
1613B	Tetra Chlorinated Dioxin (GC/MS/MS)	EPA	EA POM
200.7 Rev 4.4	Metals (ICP)	EPA	EA POM
200.8	Mercury (ICP/MS)	EPA	EA POM
200.8	Metals (ICP/MS)	EPA	EA POM
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EA POM
335.4	Cyanide, Total	EPA	EA POM
4500 CN F	Cyanide, Free	SM	EA POM
SM 2150B	Odor	SM	EA POM
SM 2320B	Alkalinity	SM	EA POM
SM 2510B	Conductivity, Specific Conductance	SM	EA POM
SM 2540C	Solids, Total Dissolved (TDS)	SM	EA POM
SM 4500 F C	Fluoride	SM	EA POM
SM 4500 H+ B	pH	SM	EA POM
SM 5540C	Methylene Blue Active Substances (MBAS)	SM	EA POM
1613B	Solid-Phase Extraction (SPE)	EPA	EA POM
200.7	Preparation, Total Recoverable Metals	EPA	EA POM
200.8	Preparation, Total Recoverable Metals	EPA	EA POM
504.1	Microextraction	EPA-DW	EA POM
505	Extraction, Organohalide Pesticides	EPA	EA POM
515.4	Extraction of Chlorinated Acids	EPA-DW	EA POM
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
548.1	Extraction of Endothall	EPA-DW	EA POM
549.2	Extraction of Diquat and Paraquat	EPA	EA POM
Distill/CN	Distillation, Cyanide	None	EA POM
Filtration	Sample Filtration	None	EA POM

Protocol References:

CADHS = California Department of Health Services

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

EPA-DW2 = "Methods For The Determination of Organic Compounds in Drinking Water - Supplement III ", EPA/600/R-95-131, August 1995

None = None

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

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Eurofins Eaton Analytical Pomona

Sample Summary

Client: SWCA Environmental Consultants
Project/Site: 2024T: CA SWRCB/DDW Title 22

Job ID: 380-129268-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-129268-1	Baker	Water	01/07/25 10:07	01/09/25 09:43
380-129268-2	Trip Blank	Water	01/07/25 10:07	01/09/25 09:43

- 1
- 2
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- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Ver 10/10/2024

Client Information					
Company:		SWCA Environmental Consultants			
Address:		320 N Halstead Street Suite 120 Pasadena CA 91107			
City:					
State, Zip:		CA, 91107			
Phone:		303-478-2552			
Email:		Nolan.Perryman@swca.com			
Project Name:		2024T CA SWRCB/DDW Title 22			
Site:		BAKER 6w-a1			
Sample Identification		BAKER 6w-a1			
Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Overhead, BT=Tissue, A=Air)	Preservation Code:	
11/07/25	10:07	y	Water	Water	
Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		QA HB N R HA	
				331.0 PREC CA - Perchlorate	
				504.1 PREC EDB and DBCP	
				CA DWRL 123TCP - 1,2,3-Trichloropropane	
				Total Number of Containers	
				Special Instructions/Note:	
				Other	
				Preservation Codes: OA - Na2SO3(HCl) HB - AscbAcd&NaOH N - None R - NaThioSO4 HA - AscbAcd&HCL	
Due Date Requested:		Kush			
TAT Requested (days):					
Compliance Project: Δ Yes (No)					
PO #:		Purchase Order not required			
WO #:					
Project #:		38008519			
SSOW#:					
Analysis Requested					
Carrier Tracking No(s):					
Lab PM:					
Harlin, Terr					
E-Mail:					
Terr Harlin@et.eurofinus.com					
Page: Page 2 of 2					
Job #:					
COC No:					
380-77857-22814.2					

Login Sample Receipt Checklist

Client: SWCA Environmental Consultants

Job Number: 380-129268-1

Login Number: 129268

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Sanchez Velasquez, Gustavo

Question	Answer	Comment
The coolers custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
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").	False	Headspace larger than 1/4".
CIO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

APPENDIX B

Aquifer Test Results



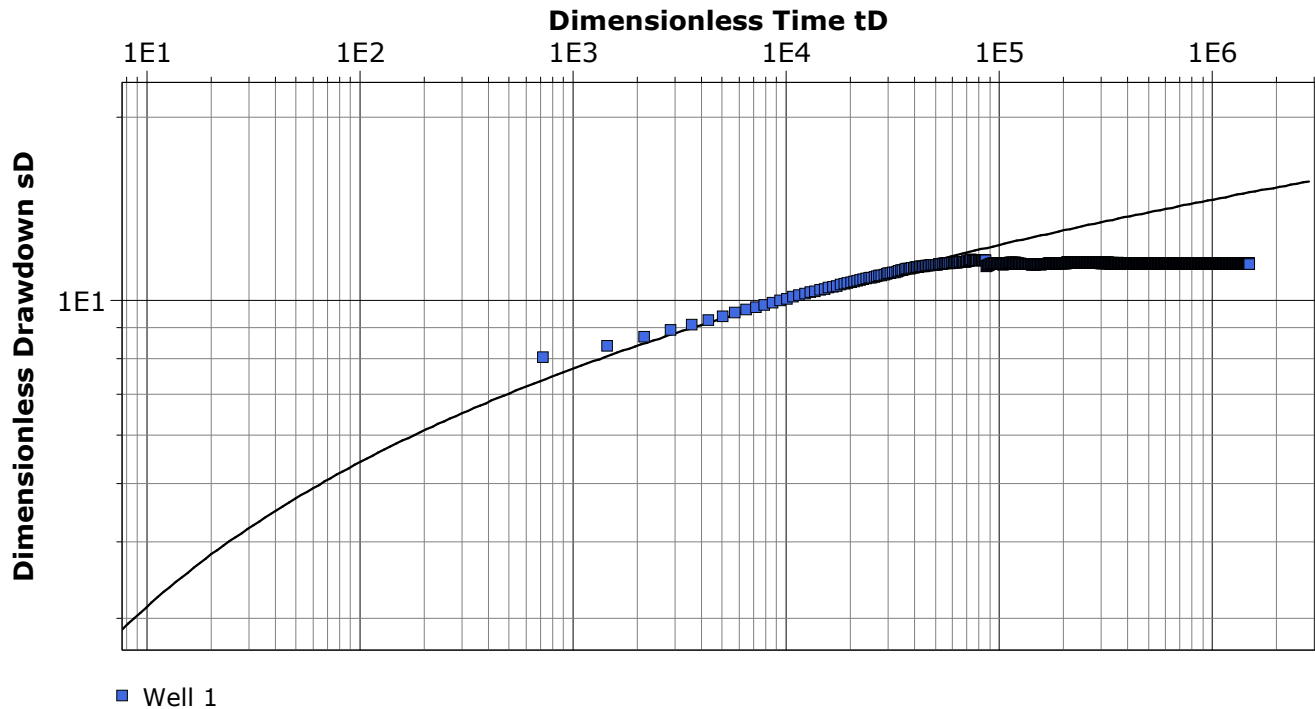
Pumping Test Analysis Report

Project: Soda Mountain Aquifer Test

Number: 68347-002-PAS

Client:

Location: Baker, California	Pumping Test: Pumping Test 1	Pumping Well: Well 1
Test Conducted by: Sophie Swanson	Test Date: 1/7/2025	
Analysis Performed by: Sophie Swanson	Theis Groundwater Well Drawdown	Analysis Date: 1/22/2025
Aquifer Thickness: 240.00 ft	Discharge Rate: 250 [U.S. gal/min]	



Calculation using Theis

Observation Well	Transmissivity [ft ² /d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Radial Distance to PW [ft]	
Well 1	6.13×10^2	2.56×10^0	1.30×10^{-3}	0.28	



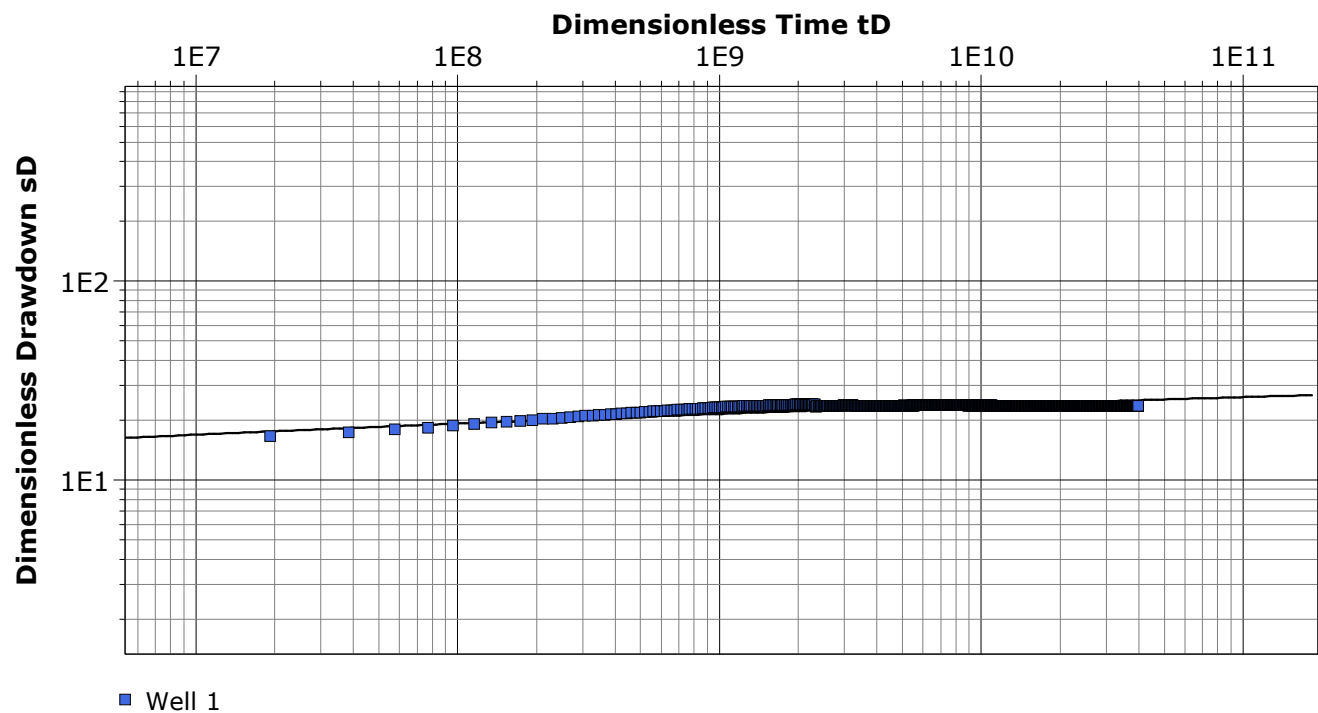
Pumping Test Analysis Report

Project: Soda Mountain Aquifer Test

Number: 68347-002-PAS

Client:

Location: Baker, California	Pumping Test: Pumping Test 1	Pumping Well: Well 1
Test Conducted by: Sophie Swanson		Test Date: 1/7/2025
Analysis Performed by: Sophie Swanson	Theis with Jacobs Correction	Analysis Date: 1/22/2025
Aquifer Thickness: 240.00 ft	Discharge Rate: 250 [U.S. gal/min]	



Calculation using Theis					
Observation Well	Transmissivity [ft ² /d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Radial Distance to PW [ft]	
Well 1	1.27×10^3	5.28×10^0	1.00×10^{-7}	0.28	



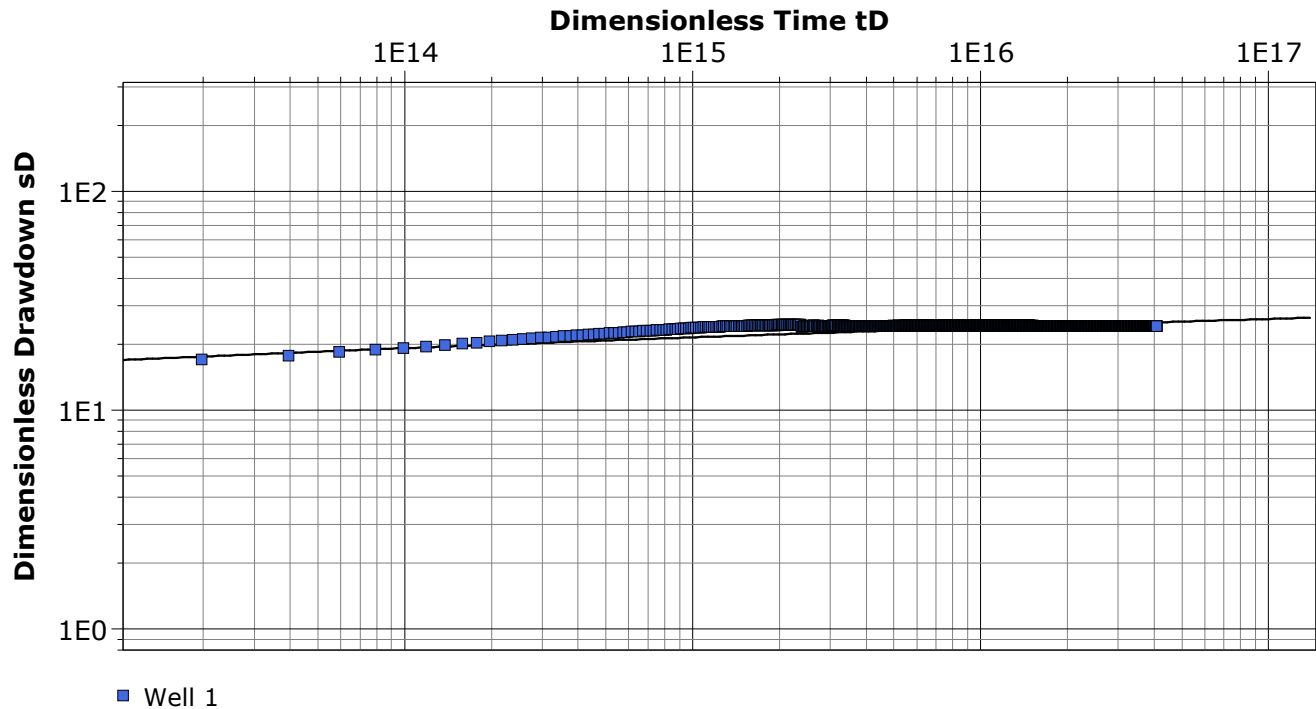
Pumping Test Analysis Report

Project: Soda Mountain Aquifer Test

Number: 68347-002-PAS

Client:

Location: Baker, California	Pumping Test: Pumping Test 1	Pumping Well: Well 1
Test Conducted by: Sophie Swanson		Test Date: 1/7/2025
Analysis Performed by: Sophie Swanson	Boulton	Analysis Date: 1/22/2025
Aquifer Thickness: 240.00 ft	Discharge Rate: 250 [U.S. gal/min]	



Calculation using Boulton

Observation Well	Transmissivity [ft ² /d]	Hydraulic Conductivity [ft/d]	Specific Yield	Drainage factor	Ratio Sy/S	Radial Distance to PW [ft]
Well 1	1.30×10^3	5.41×10^0	1.00×10^{-7}	6.17×10^{-1}	1.00×10^6	0.28



Pumping Test Analysis Report

Project: Soda Mountain Aquifer Test

Number: 68347-002-PAS

Client:

Location: Baker, California			Pumping Test: Pumping Test 1			Pumping Well: Well 1		
Test Conducted by: Sophie Swanson						Test Date: 1/7/2025		
Aquifer Thickness: 240.00 ft			Discharge Rate: 250 [U.S. gal/min]					
	Analysis Name	Analysis Performed by	Analysis Date	Method name	Well	T [ft²/d]	K [ft/d]	S
1	Theis Groundwater	Sophie Swanson	1/22/2025	Theis	Well 1	6.13×10^2	2.56×10^0	1.30×10^{-3}
2	Theis with Jacobs Co	Sophie Swanson	1/22/2025	Theis	Well 1	1.27×10^3	5.28×10^0	1.00×10^{-7}
3	Boulton	Sophie Swanson	1/22/2025	Boulton	Well 1	1.30×10^3	5.41×10^0	1.00×10^{-7}

APPENDIX C

DWR Well Completion Report

State of California
Well Completion Report
 Form DWR 188 Auto-Completed 2/4/2021
 WCR2020-016662

Owner's Well Number 1 Date Work Began 09/23/2020 Date Work Ended 10/01/2020
 Local Permit Agency San Bernardino County DPH - Environmental Health Services Safe Drinking Water Permit Section
 Secondary Permit Agency _____ Permit Number 2020100823 Permit Date 08/20/2020

Well Owner (must remain confidential pursuant to Water Code 13752)		Planned Use and Activity
Name <u>XXXXXXXXXXXXXXXXXXXX</u>	Activity <u>New Well</u>	
Mailing Address <u>XXXXXXXXXXXXXXXXXXXX</u> <u>XXXXXXXXXXXXXXXXXXXX</u>	Planned Use <u>Water Supply Domestic</u>	
City <u>XXXXXXXXXXXXXXXXXXXX</u> State <u>XX</u> Zip <u>XXXXX</u>		

Well Location	
Address <u>0 death valley rd</u>	APN _____
City <u>baker</u> Zip <u>92365</u> County <u>San Bernardino</u>	Township _____
Latitude <u>35</u> <u>18</u> <u>21.5999</u> <u>N</u> Longitude <u>-116</u> <u>5</u> <u>18.4199</u> <u>W</u>	Range _____
Deg. Min. Sec. Deg. Min. Sec.	Section _____
Dec. Lat. <u>35.306</u> Dec. Long. <u>-116.08845</u>	Baseline Meridian _____
Vertical Datum _____ Horizontal Datum <u>WGS84</u>	Ground Surface Elevation _____
Location Accuracy _____ Location Determination Method _____	Elevation Accuracy _____
	Elevation Determination Method _____

Borehole Information	Water Level and Yield of Completed Well
Orientation <u>Vertical</u> Specify _____	Depth to first water <u>30</u> (Feet below surface)
Drilling Method <u>Direct Rotary</u> Drilling Fluid <u>Bentonite</u>	Depth to Static _____
Total Depth of Boring <u>400</u> Feet	Water Level <u>30</u> (Feet) Date Measured <u>09/29/2020</u>
Total Depth of Completed Well <u>400</u> Feet	Estimated Yield* <u>400</u> (GPM) Test Type <u>Air Lift</u>
	Test Length <u>2</u> (Hours) Total Drawdown _____ (feet)
	*May not be representative of a well's long term yield.

Geologic Log - Free Form		
Depth from Surface Feet to Feet		Description
0	100	blue clay
100	250	sand gravel
250	400	brown clay

Casings										
Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specificatons	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	160	Blank	PVC	OD: 6.625 in. SDR: 17 Thickness: 0.390 in.	0.39	6.625			
1	160	400	Screen	PVC	OD: 6.625 in. SDR: 17 Thickness: 0.390 in.	0.39	6.625	Saw Cut	7	

Annular Material					
Depth from Surface Feet to Feet		Fill	Fill Type Details	Filter Pack Size	Description
0	20	Cement	10.3 Sack Mix		
20	400	Filter Pack	6 x 16		

Other Observations:

Borehole Specifications

Depth from Surface Feet to Feet		Borehole Diameter (inches)
0	400	12.25

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name EAGLE WELL DRILLING & PUMP SERVICE
 Person, Firm or Corporation

P O BOX 358

NEWBERRY

CA

92365

Address

City

State

Zip

Signed electronic signature received 12/03/2020 768952

C-57 Licensed Water Well Contractor

Date Signed

C-57 License Number

DWR Use Only

CSG #	State Well Number	Site Code	Local Well Number

N

W

Latitude Deg/Min/Sec

Longitude Deg/Min/Sec

TRS:
 APN: